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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

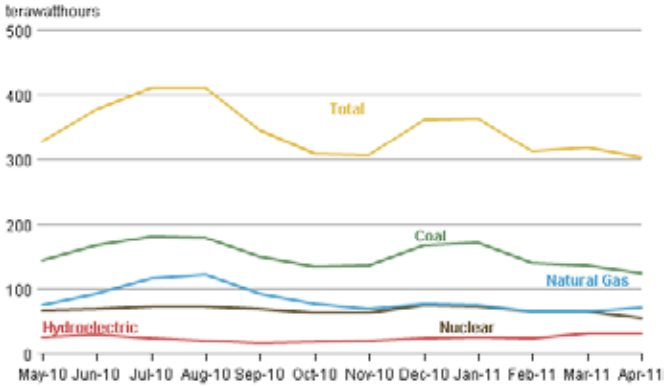
Generation and Consumption of Fuels, April 2011

Generation: Net generation in the United States was up 5.2 percent from April 2010 to April 2011. The National Oceanic and Atmospheric Administration (NOAA) reported that the average April temperature across the contiguous United States was 0.9 degrees F above the long-term average and as such, April 2011 was the 39th warmest April since 1895. April 2011 was the tenth-wettest according to NOAA and "historic flooding" occurred. Illinois, Indiana, Kentucky, Ohio, West Virginia, and Pennsylvania each had their wettest April since records began in 1895, according to the National Climatic Data Center. The Federal Reserve reported that industrial production was 5.0 percent higher than it had been in April 2010, the sixteenth consecutive month that industrial production was higher than it had been in the corresponding months of the previous year.

As it had been in March 2011, the rise in conventional hydroelectric generation was by far the largest absolute "fuel-specific" increase as it was up 12,663 thousand megawatthours, or 68.0 percent. The increased generation from the contiguous Pacific Coast States accounted for 64.8 percent of the national rise. Again, as in March 2011, natural gas-fired generation showed the second-largest increase over April 2010 as it was up 9.3 percent or 5,978 thousand megawatthours. Large increases in Florida, Texas, and Louisiana offset the large declines in the contiguous Pacific Coast States. Generation from wind plants, up 25.2 percent from April 2010, was the third-largest absolute increase from April 2010 to April 2011. California, Texas, and Illinois had the largest gains, but the increase was widespread. Of the thirty-eight States that had wind generators that were reported to EIA, only six had less generation reported in April 2011 than in April 2010. Delaware, Maryland, and Rhode Island, which did not have wind generators that reported in April 2010, had wind generation in April 2011.

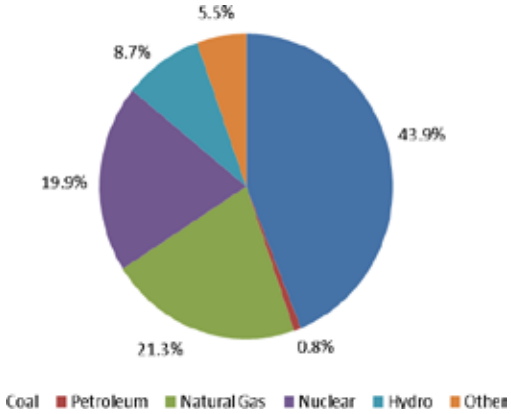
In April the largest fuel-specific decline was from nuclear generators. The largest drops were in New Hampshire, Kansas, and Tennessee. Coal-fired generation was down 2.2 percent or 2,775 thousand megawatthours. The largest declines were in Georgia, Alabama, and Montana. The overall share of net generation attributable to coal fell to 41.2 percent. The share of net generation from petroleum liquid-fired sources 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), May 2010 through April 2011



Year-to-date, coal-fired plants contributed 43.9 percent of the power generated in the United States. Natural gas-fired plants contributed 21.3 percent, and nuclear plants contributed 19.9 percent. Of the 0.8 percent contributed by petroleum-fired plants, petroleum liquids accounted for approximately 0.4 percent and petroleum coke accounted for roughly 0.3 percent. Conventional hydroelectric sources provided 8.7 percent of the total, while other renewables (biomass, geothermal, solar, and wind) and other miscellaneous energy sources generated the remaining 5.5 percent of electric power (Figure 2).

Figure 2: Net Generation Shares by Energy Source: Total (All Sectors), Year-to-Date through April, 2011



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

Consumption of Fuels: Consumption of coal for electric power generation in April 2011 was down 0.4 percent compared to April 2010. Consumption of natural gas rose 10.6 percent. For the same time period, consumption of petroleum liquids was up 12.9 percent, while petroleum coke was down 21.8 percent.

Fuel Stocks, Electric Power Sector, April 2011

Total electric power sector coal stocks decreased between April 2010 and April 2011 by 7.8 percent, or 14.7 million tons. April was the twelfth consecutive month that total coal stocks were lower than the same calendar month in the prior year after 20 consecutive months where they were higher. Stocks of bituminous coal fell 13.4 percent or 12.4 million tons between April 2010 and April 2011 (from 92.5 million tons to 80.1 million tons). Subbituminous coal stocks fell 2.4 percent over the same period (from 89.5 to 87.3 million tons).

Electric power sector liquid petroleum stocks totaled 34.5 million barrels at the end of April 2011, a decrease of 9.2 percent (3.5 million barrels) from April 2010. April 2011 stocks were 1.1 percent (0.4 million barrels) lower than at the end of March 2011.

Fuel Receipts and Costs, All Sectors, April 2011

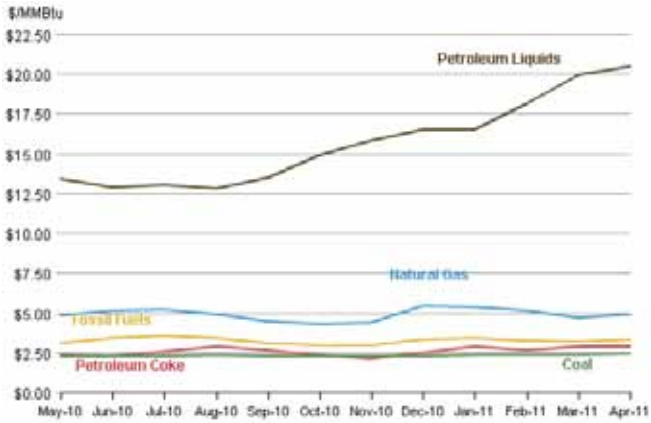
Overall Receipts and Costs: In April 2011, the overall average price paid by electricity generating plants for fossil fuels (coal, petroleum, and natural gas) was $3.29 per MMBtu. This was 5.1 percent higher than the price paid in March 2011 ($3.13 per MMBtu) and 9.7 percent higher than the April 2010 price of $3.00 per MMBtu (Figure 3). The year-to-date (January through April 2011) cost of fossil fuels decreased 1.8 percent when compared to the same period in 2010. Receipts (physical units) of gas increased while receipts of coal and petroleum decreased. When compared to April 2010, receipts of petroleum and gas increased, while receipts of coal decreased.

Coal: The average price paid for coal in April 2011 was $2.39 per MMBtu, up 2.1 percent from the average price of $2.34 per MMBtu paid in March 2011, and up 4.4 percent from the average price of $2.29 per MMBtu paid in April 2010. Receipts of coal in April 2011 were 74.4 million tons, down 7.1 percent when compared with March 2011 receipts (80.1 million tons), and down 5.1 percent when compared with April 2010 receipts (78.4 million tons). The year-to-date price of coal rose 3.5 percent, while receipts during the same period decreased 1.4 percent.

Petroleum: The average price paid for petroleum liquids in April 2011 was $20.48 per MMBtu, up 2.9 percent from the average price of $19.91 per MMBtu paid in March 2011, and up 37.8 percent from the average price of $14.86 per MMBtu paid in April 2010. Receipts of petroleum liquids in April 2011 were 2.9 million barrels, down 3.9 percent when compared with March 2011 receipts (3.0 million barrels), and up 47.2 percent when compared with April 2010 receipts (2.0 million barrels). The year-to-date price of petroleum liquids rose 35.5 percent, while receipts during the same period decreased 9.4 percent.

Natural Gas: The average price paid for natural gas in April 2011 was $4.89 per MMBtu, up 5.4 percent from the average price of $4.64 per MMBtu paid in March 2011, and up 4.0 percent from the average price of $4.70 per MMBtu paid in April 2010. Receipts of natural gas in April 2011 were 629.5 million Mcf, up 5.5 percent when compared with March 2011 receipts (596.8 million Mcf), and up 11.1 percent when compared with April 2010 receipts (566.4 million Mcf). The year-to-date price of natural gas decreased 12.7 percent, while receipts during the same period increased by 5.1 percent.

Figure 3: Electric Power Industry Fuel Costs, May 2010 through April 2011



Sales, Revenue, and Average Retail Price, April 2011

The average retail price of electricity for April 2011 was 9.65 cents per kilowatthour (kWh), 0.1 percent lower than March 2011 when the average retail price of electricity was 9.66 cents per kWh, and 0.7 percent higher than April 2010, when the price was 9.58 cents per kWh. Total retail sales between April 2010 and April 2011 increased 3.4 percent led by a 7.5-percent increase in the residential sector. Over the same period, retail sales in the commercial and industrial sectors increased 1.0 and 1.8 percent, respectively. The average price of residential electricity for April 2011 increased to 11.79 cents per kWh from April 2010, a 0.3-percent increase year-over-year, and increased 1.3 percent from March 2011.

Sales: For April 2011, sales in the residential sector increased by 7.5 percent from April 2010 but decreased 10.1 percent from March 2011. Commercial sector sales increased 1.0 percent from April 2010 but decreased 2.7 percent from March 2011. Sales in the industrial sector increased by 1.8 percent from April 2010 but decreased 2.3 percent from March 2011. For April 2011, total retail sales were 275.5 billion kWh, an increase of 3.4 percent from April 2010, while decreasing 5.3 percent from March 2011. Year-to-date retail sales in April were 1,197.7 billion kWh, a 0.8-percent increase from the same period in 2010.

Revenue: Total retail revenues in April 2011 were $26.6 billion, reflecting an increase of 4.2 percent from April

2010, but a 5.4-percent decrease from March 2011. For April 2011, residential revenues increased 7.8 percent and commercial and industrial revenues increased by 1.8, and 1.6 percent, respectively, from April 2010. Year-to-date retail revenue was $115.7 billion, a 2.5-percent increase over the same period in 2010.

Average Retail Price: For April 2011, the average residential retail price increased by 0.3 percent from April 2010 to 11.79 cents per kWh, and increased by 1.3 percent from 11.64 cents per kWh in March 2011. The April 2011 average commercial sector retail price was 10.06 cents per kWh, increasing 0.7 percent from April 2010, and 0.1 percent higher than in March 2011. The average industrial sector retail price for April 2011 was 6.58 cents per kWh, a 0.2-percent decrease from April 2010, and a 0.2-percent decrease from March 2011. Year-to-date 2011 average retail prices increased to 9.66 cents per kWh, representing a 1.7-percent increase from the same period in 2010.

Figure 4: Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Year-to-Date through April 2011 and 2010

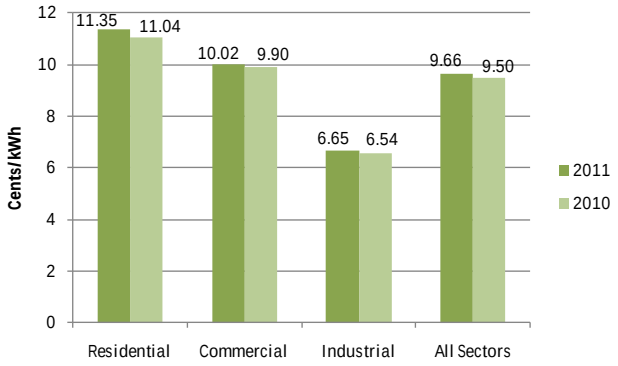


Table ES1.A. Total Electric Power Industry Summary Statistics, 2011 and 2010

April											
Net Generation and Consumption of Fuels											
Items	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	% Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Net Generation (thousand megawatthours)											
Coal[1]	124,389	127,164	-2.2	93,616	95,976	29,544	29,924	73	79	1,156	1,184
Petroleum Liquids[2]	1,331	1,180	12.8	1,034	902	214	222	6	8	77	48
Petroleum Coke	822	1,066	-22.9	506	674	222	269	--	1	93	122
Natural Gas[3]	70,218	64,240	9.3	27,874	24,409	35,734	33,395	326	331	6,284	6,105
Other Gases[4]	908	947	-4.1	4	7	241	252	--	--	663	688
Nuclear	54,547	57,611	-5.3	28,964	30,946	25,583	26,666	--	--	--	--
Hydroelectric Conventional	31,293	18,630	68.0	28,462	16,573	2,628	1,876	12	11	192	169
Other Renewables	18,202	15,817	15.1	2,124	1,681	13,818	11,750	125	155	2,135	2,232
Wood and Wood-Derived Fuels[5]	2,749	2,998	-8.3	103	145	568	685	2	2	2,076	2,165
Other Biomass[6]	1,660	1,596	4.1	237	109	1,244	1,267	122	153	58	67
Geothermal	1,304	1,262	3.4	94	85	1,210	1,176	--	--	--	--
Solar Thermal and Photovoltaic[7]	166	124	34.1	14	12	151	112	1	*	1	*
Wind	12,322	9,838	25.2	1,675	1,329	10,645	8,509	1	*	--	--
Hydroelectric Pumped Storage	-467	-303	-53.9	-404	-213	-63	-91	--	--	--	--
Other Energy Sources[8]	912	927	-1.6	21	18	557	552	64	71	270	286
All Energy Sources	**302,156**	**287,279**	**5.2**	**182,202**	**170,973**	**108,478**	**104,815**	**607**	**656**	**10,869**	**10,834**
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)[1]	66,844	67,090	-.4	49,328	50,054	17,056	16,597	22	22	437	417
Petroleum Liquids (1000 bbls)[2]	2,211	1,958	12.9	1,839	1,594	292	303	7	9	74	52
Petroleum Coke (1000 tons)	301	385	-21.8	196	253	86	106	--	*	19	26
Natural Gas (1000 Mcf)[3]	543,954	491,678	10.6	232,855	201,843	265,170	245,473	2,661	2,656	43,269	41,706
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)[1]	1,672	1,671	.1	--	--	345	326	106	103	1,222	1,242
Petroleum Liquids (1000 bbls)[2]	401	313	28.1	--	--	86	89	13	12	302	211
Petroleum Coke (1000 tons)	82	66	24.2	--	--	10	10	--	1	72	55
Natural Gas (1000 Mcf)[3]	65,827	64,237	2.5	--	--	25,872	24,297	2,846	3,066	37,109	36,873
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)[1]	68,516	68,761	-.4	49,328	50,054	17,400	16,923	128	126	1,659	1,659
Petroleum Liquids (1000 bbls)[2]	2,612	2,271	15.0	1,839	1,594	378	392	19	22	376	263
Petroleum Coke (1000 tons)	383	451	-15.1	196	253	95	116	--	1	91	81
Natural Gas (1000 Mcf)[3]	609,781	555,914	9.7	232,855	201,843	291,041	269,771	5,507	5,722	80,378	78,579
Fuel Stocks (end-of-month)											
Coal (1000 tons)[9]	177,942	192,041	-7.3	139,989	150,348	34,473	38,849	423	373	3,057	2,472
Petroleum Liquids (1000 bbls)[2]	37,769	40,390	-6.5	24,561	25,324	9,896	12,613	345	305	2,968	2,147
Petroleum Coke (1000 tons)	1,228	1,703	-27.9	463	1,022	130	168	--	--	635	513

Sales, Revenue, and Average Retail Price, April 2011

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh)[10]			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	Apr 2011	Apr 2010	% Change	Apr 2011	Apr 2010	% Change	Apr 2011	Apr 2010	% Change
Residential	94,799	88,175	7.5	11,176	10,371	7.8	11.79	11.76	.3
Commercial[11]	100,725	99,709	1.0	10,137	9,961	1.8	10.06	9.99	.7
Industrial[11]	79,359	77,977	1.8	5,221	5,138	1.6	6.58	6.59	-.2
Transportation[11]	619	604	2.6	64	68	-5.7	10.33	11.25	-8.2
All Sectors	275,502	266,465	3.4	26,598	25,538	4.2	9.65	9.58	.7

[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.
* = 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 2010 and 2011 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 2011 and 2010

January through April											
Net Generation and Consumption of Fuels											
Items	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	2011	2010	% Change	2011	2010	2011	2010	2011	2010	2011	2010
Net Generation (thousand megawatthours)											
Coal[1]	568,939	598,445	-4.9	426,753	447,230	136,236	144,957	350	391	5,600	5,867
Petroleum Liquids[2]	5,583	6,783	-17.7	4,057	5,174	1,240	1,290	31	34	255	284
Petroleum Coke	4,495	4,513	-.4	2,989	2,925	1,076	1,106	2	3	428	479
Natural Gas[3]	275,342	265,691	3.6	105,797	102,140	143,122	136,687	1,360	1,361	25,062	25,503
Other Gases[4]	3,583	3,682	-2.7	16	30	953	1,003	--	--	2,615	2,649
Nuclear	257,741	260,061	-.9	135,026	138,696	122,715	121,364	--	--	--	--
Hydroelectric Conventional	112,769	81,925	37.6	103,443	73,243	8,613	7,957	47	33	666	693
Other Renewables	65,331	54,734	19.4	7,366	5,482	49,114	39,827	528	550	8,323	8,875
Wood and Wood-Derived Fuels[5]	11,493	12,374	-7.1	589	655	2,809	3,076	7	7	8,088	8,636
Other Biomass[6]	5,985	5,949	.6	563	407	4,671	4,760	517	543	234	239
Geothermal	5,454	5,184	5.2	393	366	5,061	4,818	--	--	--	--
Solar Thermal and Photovoltaic[7]	422	249	69.5	45	28	374	220	1	*	2	*
Wind	41,976	30,979	35.5	5,775	4,026	36,199	26,953	3	*	--	--
Hydroelectric Pumped Storage	-1,490	-985	-51.3	-1,486	-559	-3	-426	--	--	--	--
Other Energy Sources[8]	3,408	3,437	-.9	81	82	2,043	2,049	258	252	1,026	1,054
All Energy Sources	**1,295,702**	**1,278,285**	**1.4**	**784,041**	**774,442**	**465,109**	**455,813**	**2,576**	**2,625**	**43,976**	**45,405**
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)[1]	302,966	314,407	-3.6	223,901	232,793	76,498	79,073	109	113	2,457	2,428
Petroleum Liquids (1000 bbls)[2]	9,529	11,685	-18.4	7,251	9,259	1,987	2,093	34	43	257	290
Petroleum Coke (1000 tons)	1,672	1,664	.5	1,156	1,102	421	456	1	1	94	105
Natural Gas (1000 Mcf)[3]	2,109,851	2,026,435	4.1	869,730	843,029	1,052,819	997,088	11,194	11,025	176,108	175,292
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)[1]	7,192	7,262	-1.0	--	--	1,436	1,421	532	533	5,224	5,308
Petroleum Liquids (1000 bbls)[2]	1,600	1,807	-11.4	--	--	358	322	70	65	1,173	1,419
Petroleum Coke (1000 tons)	292	288	1.1	--	--	39	49	4	4	249	235
Natural Gas (1000 Mcf)[3]	278,240	273,037	1.9	--	--	112,729	104,592	12,470	13,476	153,041	154,969
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)[1]	310,158	321,669	-3.6	223,901	232,793	77,934	80,494	642	646	7,681	7,736
Petroleum Liquids (1000 bbls)[2]	11,130	13,491	-17.5	7,251	9,259	2,345	2,415	104	108	1,430	1,709
Petroleum Coke (1000 tons)	1,964	1,953	.6	1,156	1,102	460	505	4	5	344	340
Natural Gas (1000 Mcf)[3]	2,388,091	2,299,472	3.9	869,730	843,029	1,165,548	1,101,680	23,664	24,501	329,149	330,261

Sales, Revenue, and Average Retail Price, April 2011

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh)[9]			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	2011	2010	% Change	2011	2010	% Change	2011	2010	% Change
Residential	468,435	471,645	-.7	53,186	52,075	2.1	11.35	11.04	2.8
Commercial[10]	411,540	409,931	.4	41,246	40,580	1.6	10.02	9.90	1.2
Industrial[10]	315,121	304,277	3.6	20,959	19,911	5.3	6.65	6.54	1.7
Transportation[10]	2,623	2,721	-3.6	279	294	-5.2	10.64	10.82	-1.7
All Sectors	1,197,720	1,188,573	.8	115,670	112,860	2.5	9.66	9.50	1.7

[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.
* = 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 2010 and 2011 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, 2011 and 2010

April

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)	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (1000 tons)[2]	74,394	78,431	46.60	45.56	590	599	309,926	314,428	45.97	44.97
Petroleum Liquids (1000 barrels)[3]	2,893	1,965	124.03	88.71	1,279	1,280	12,350	13,633	112.42	83.28
Petroleum Coke (1000 tons)	383	518	81.00	60.91	40	42	1,488	1,834	80.02	54.76
Natural Gas (1000 Mcf)[4]	629,453	566,430	4.99	4.81	1,742	1,433	2,467,046	2,348,442	5.11	5.85

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)	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (1000 tons)[2]	53,071	56,992	47.36	46.16	317	320	219,694	225,490	46.71	45.40
Petroleum Liquids (1000 barrels)[3]	1,887	1,316	124.72	90.32	838	840	7,989	9,152	114.12	83.64
Petroleum Coke (1000 tons)	229	348	95.04	65.49	10	12	926	1,137	90.17	59.05
Natural Gas (1000 Mcf)[4]	240,709	205,123	5.35	5.33	766	513	889,354	853,357	5.38	6.24

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)	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (1000 tons)[2]	19,561	19,696	42.89	42.46	142	144	83,082	80,894	42.43	42.42
Petroleum Liquids (1000 barrels)[3]	534	342	128.10	88.38	221	212	2,225	2,238	115.28	86.48
Petroleum Coke (1000 tons)	84	72	48.92	40.86	16	16	242	357	50.59	41.02
Natural Gas (1000 Mcf)[4]	292,945	270,453	4.82	4.56	558	507	1,188,715	1,106,334	5.08	5.71

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)	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (1000 tons)[2]	129	137	59.02	59.44	19	18	614	650	59.69	61.20
Petroleum Liquids (1000 barrels)[3]	29	24	122.67	94.04	84	88	133	130	114.45	85.21
Petroleum Coke (1000 tons)	*	1	75.75	57.68	1	1	4	5	77.97	51.48
Natural Gas (1000 Mcf)[4]	5,779	5,937	5.41	5.20	112	110	25,076	25,787	5.68	6.30

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)	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (1000 tons)	1,632	1,605	65.65	61.03	112	117	6,536	7,394	64.85	58.52
Petroleum Liquids (1000 barrels)	443	284	116.30	81.20	136	140	2,003	2,113	102.33	78.25
Petroleum Coke (1000 tons)	70	98	73.50	59.38	13	13	316	336	72.87	54.89
Natural Gas (1000 Mcf)	90,020	84,916	4.56	4.29	306	303	363,900	362,963	4.51	5.34

[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.
* = 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: • Values for 2010 and 2011 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, 2011 and 2010

April

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)	
	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010
Coal[2]	1,452,917	1,561,693	2.39	2.29	590	599	6,057,864	6,218,061	2.35	2.27
Petroleum Liquids[3]	17,522	11,731	20.48	14.86	1,279	1,280	74,493	82,489	18.64	13.76
Petroleum Coke	10,969	14,802	2.83	2.13	40	42	42,564	52,236	2.80	1.92
Natural Gas[4]	642,478	579,380	4.89	4.70	1,742	1,433	2,519,379	2,401,153	5.00	5.73
Fossil Fuels	2,123,886	2,167,607	3.29	3.00	2,794	2,641	8,694,299	8,753,939	3.26	3.32

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)	
	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010
Coal[2]	1,048,786	1,148,120	2.40	2.29	317	320	4,347,142	4,509,852	2.36	2.27
Petroleum Liquids[3]	11,490	7,901	20.48	15.04	838	840	48,358	55,727	18.85	13.74
Petroleum Coke	6,570	9,905	3.31	2.30	10	12	26,531	32,313	3.15	2.08
Natural Gas[4]	244,641	209,366	5.26	5.22	766	513	905,595	870,530	5.29	6.12
Fossil Fuels	1,311,488	1,375,293	3.09	2.81	1,455	1,346	5,327,626	5,468,422	3.01	3.00

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)	
	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010
Coal[2]	366,039	375,335	2.29	2.23	142	144	1,555,486	1,539,184	2.27	2.23
Petroleum Liquids[3]	3,158	1,977	21.67	15.29	221	212	13,179	13,154	19.46	14.72
Petroleum Coke	2,410	2,065	1.70	1.42	16	16	6,983	10,264	1.76	1.43
Natural Gas[4]	299,567	276,801	4.71	4.46	558	507	1,214,816	1,131,774	4.97	5.58
Fossil Fuels	671,175	656,177	3.46	3.20	775	719	2,790,464	2,694,376	3.52	3.69

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)	
	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010
Coal[2]	2,739	2,994	2.79	2.72	19	18	13,110	14,226	2.80	2.79
Petroleum Liquids[3]	173	140	20.50	16.04	84	88	788	770	19.35	14.33
Petroleum Coke	13	20	2.64	2.12	1	1	125	131	2.73	1.89
Natural Gas[4]	5,902	6,067	5.30	5.09	112	110	25,608	26,346	5.57	6.16
Fossil Fuels	8,828	9,221	4.81	4.48	163	166	39,631	41,473	4.91	5.14

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)	
	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010	April 2011	April 2010
Coal	35,352	35,244	3.03	2.78	112	117	142,126	154,800	2.98	2.80
Petroleum Liquids	2,701	1,714	19.07	13.44	136	140	12,168	12,837	16.85	12.88
Petroleum Coke	1,976	2,812	2.60	2.08	13	13	8,925	9,528	2.58	1.94
Natural Gas	92,367	87,146	4.44	4.18	306	303	373,360	372,504	4.39	5.20
Fossil Fuels	132,396	126,917	4.34	3.87	401	410	536,579	549,669	4.27	4.65

[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 2010 and 2011 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, 2011

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	1	Buckeye Florida Ltd Partners	Industrial	Buckeye Florida LP	FL	50466	GEN6	15.0	BLQ	ST
2011	1	Chevron Technology Ventures	IPP	Questa Solar Facility	NM	57369	QST	1.0	SUN	PV
2011	1	City Utilities of Springfield	Electric Utility	Southwest Power Station	MO	6195	ST2	279.0	SUB	ST
2011	1	City of Tipton	Electric Utility	Tipton	IA	8106	5	2.0	DFO	IC
2011	1	City of Tipton	Electric Utility	Tipton	IA	8106	6	2.0	DFO	IC
2011	1	GlaxoSmithKline Consumer Healthcare L P	IPP	GSK York RDC Solar Facility	PA	57390	4	.3	SUN	PV
2011	1	GlaxoSmithKline Consumer Healthcare L P	IPP	GSK York RDC Solar Facility	PA	57390	5	.3	SUN	PV
2011	1	Iberdrola Renewables Inc	IPP	Big Horn Wind II	WA	57319	1	50.0	WND	WT
2011	1	Iberdrola Renewables Inc	IPP	Hardscrabble Wind Power LLC	NY	57287	1	74.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Golden Valley Wind Park LLC	ID	56435	GVWP	12.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Oregon Trail Wind Park	ID	56439	OTWP	13.5	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Pilgrim Stage Wind Park	ID	56440	PSWP	10.5	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Thousand Springs Wind Park	ID	56442	TSWP	12.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Tuana Gulch Wind Park	ID	56443	TGWP	10.5	WND	WT
2011	1	Louisville Gas & Electric Co	Electric Utility	Trimble County	KY	6071	2	731.9	BIT	ST
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	1	44.1	NG	GT
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	2	44.1	NG	GT
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	3	44.1	NG	GT
2011	1	PPL Renewable Energy LLC	IPP	PPL Frey Farm Landfill Wind	PA	57182	1	3.2	WND	WT
2011	1	Public Service Elec & Gas Co	Electric Utility	Matrix Perth Amboy	NJ	57384	MATR	2.5	SUN	PV
2011	1	Ridgewind Power Partners LLC	IPP	Ridgewind	MN	57386	WTG1	25.3	WND	WT
2011	1	Southern California Edison Co	Electric Utility	SPVP #12	CA	57226	S012A	.5	SUN	PV
2011	1	Southern California Edison Co	Electric Utility	SPVP #9	CA	57223	S009A	.5	SUN	PV
2011	1	Southern California Edison Co	Electric Utility	SPVP #9	CA	57223	S009B	.5	SUN	PV
2011	1	St Mary`s Hospital	Commercial	Saint Marys Hospital Power Plant	MN	54262	7	2.5	DFO	IC
2011	1	Terra-Gen Operating Co LLC	IPP	Alta Wind I	CA	57282	AW01	150.0	WND	WT
2011	1	Terra-Gen Operating Co LLC	IPP	Alta Wind II	CA	57291	AW02	150.0	WND	WT
2011	1	WM Renewable Energy LLC	IPP	Farmers Branch	TX	57165	GEN1	1.6	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Farmers Branch	TX	57165	GEN2	1.6	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN1	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN2	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN3	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN4	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN5	.8	LFG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN6	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban	OH	57170	GEN7	.8	LFG	IC
2011	1	Wisconsin Electric Power Co	Electric Utility	Elm Road Generating Station	WI	56068	2	615.0	BIT	ST
2011	2	Basin Electric Power Coop	Electric Utility	Prairie Winds SD1	SD	56608	SD1	151.5	WND	WT
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8418	1.1	WDL	ST
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8428	1.0	WDL	ST
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8429	1.7	WDL	ST
2011	2	Edison Mission Energy	IPP	Big Sky Wind LLC	IL	57135	1	240.0	WND	WT
2011	2	Edison Mission Energy	IPP	Laredo Ridge Wind LLC	NE	57262	1	79.9	WND	WT
2011	2	El Paso Electric Co	Electric Utility	Newman	TX	3456	5	140.0	NG	CT
2011	2	El Paso Electric Co	Electric Utility	Newman	TX	3456	5CA1	141.9	NG	CA
2011	2	Idaho Wind Partners 1 LLC	IPP	Burley Butte Windpark	ID	56434	BBWP	19.5	WND	WT
2011	2	Idaho Wind Partners 1 LLC	IPP	Milner Dam Wind Park LLC	ID	56437	MDWP	19.5	WND	WT
2011	2	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	4A	.5	DFO	IC
2011	2	New Hanover County	IPP	New Hanover County WASTEC	NC	50271	1TGB	2.0	MSW	ST
2011	2	Terra-Gen Operating Co LLC	IPP	Alta Wind III	CA	57292	AW03	150.0	WND	WT
2011	3	AE Power Services LLC	IPP	Cedar Creek II	CO	57210	1	250.8	WND	WT
2011	3	Adams Wind Generations LLC	IPP	Adams Wind Generations LLC	MN	57375	AWG	20.0	WND	WT
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN1	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN2	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN3	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN4	1.6	LFG	IC
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	CT3	165.0	NG	CT
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	CT4	165.0	NG	CT
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	ST2	290.5	NG	CA
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG1	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG2	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG3	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG1	200.0	NG	CA
2011	3	Cleco Power LLC	Electric Utility	Teche	LA	1400	4	33.4	NG	GT
2011	3	Consolidated Edison Development Inc.	IPP	Dartmouth Solar	MA	57473	DMSA	1.6	SUN	PV
2011	3	Danielson Wind Farms LLC	IPP	Danielson Wind Farms LLC	MN	57396	DWF	20.0	WND	WT
2011	3	Dow Jones & Co	IPP	Dow Jones & Co Inc	NJ	57397	PV02	3.4	SUN	PV
2011	3	Iberdrola Renewables Inc	IPP	Juniper Canyon Wind	WA	57320	1	151.2	WND	WT
2011	3	Iberdrola Renewables Inc	IPP	Leaning Juniper Wind Power II	OR	57333	1	201.0	WND	WT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	3	Kahuku Wind Power LLC	IPP	Kahuku Wind Power LLC	HI	57087	1	30.0	WND	WT
2011	3	Kent County Levy Court Dept of Pub Work	IPP	Plant 1	DE	57330	1	1.2	SUN	PV
2011	3	Los Angeles City of	IPP	1420 Coil Av #C	CA	57310	1	1.4	SUN	PV
2011	3	Martins Creek Solar NC, LLC	IPP	Martins Creek Solar NC, LLC	NC	57461	1	.9	SUN	PV
2011	3	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC3	16.7	NG	IC
2011	3	Solar Star Colorado II LLC	IPP	AFA Solar Farm	CO	57554	AFA1	5.5	SUN	PV
2011	3	Wind Energy Prototypes LLC	IPP	GE 1 6 100 Prototype	CA	57566	1.6PR	1.6	WND	WT
2011	3	WM Renewable Energy LLC	IPP	Piedmont	NC	57169	GEN1	.8	LFG	IC
2011	3	WM Renewable Energy LLC	IPP	Piedmont	NC	57169	GEN2	.8	LFG	IC
2011	3	WM Renewable Energy LLC	IPP	Piedmont	NC	57169	GEN3	.8	LFG	IC
2011	3	Wisconsin Power & Light Co	Electric Utility	Bent Tree Wind Farm Phase 1	MN	57198	1	200.0	WND	WT
2011	4	Avidan Energy Solutions	IPP	145 Talmadge Solar	NJ	57458	1	3.8	SUN	PV
2011	4	Bruce Nichols	IPP	Nichols Farm	MD	57548	WM1	.0	WND	WT
2011	4	Bruce Nichols	IPP	Nichols Farm	MD	57548	WM2	.0	WND	WT
2011	4	City of Riverside	Electric Utility	Riverside Energy Resource Center	CA	56143	3	48.0	NG	GT
2011	4	City of Riverside	Electric Utility	Riverside Energy Resource Center	CA	56143	4	48.0	NG	GT
2011	4	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	DG5	2.0	DFO	IC
2011	4	Idaho Wind Partners 1 LLC	IPP	Salmon Falls Wind Park	ID	56441	SFWP	21.0	WND	WT
2011	4	Luminant Generation Company LLC	IPP	Oak Grove	TX	6180	OG2	827.0	LIG	ST
2011	4	Seneca Sustainable Energy LLC	Industrial	Seneca Sustainable Energy LLC	OR	57457	1	19.8	WDS	ST
2011	4	Terra-Gen Operating Co LLC	IPP	Alta Wind IV	CA	57293	AW04	102.0	WND	WT
2011	4	Terra-Gen Operating Co LLC	IPP	Alta Wind V	CA	57294	AW05	168.0	WND	WT
2011	4	UGI Development Co	IPP	Crayola Solar Project	PA	57216	2	1.0	SUN	PV
2011	5	Cargill Inc	IPP	Cargill Kettle Butte Biofactory	ID	57345	1	0.9	OBG	IC
2011	5	Cargill Inc	IPP	Cargill Kettle Butte Biofactory	ID	57345	2	0.9	OBG	IC
2011	5	Cedar Point LLC	Electric Utility	Cedar Point Wind	CO	57315	1-139	243.0	WND	WT
2011	5	City of Lamoni	Electric Utility	Lamoni Municipal Utilities	IA	1155	7	2.3	DFO	IC
2011	5	City of Lamoni	Electric Utility	Lamoni Municipal Utilities	IA	1155	8	2.3	DFO	IC
2011	5	Consolidated Edison Development Inc.	IPP	Murray Hill Solar	NJ	57471	MHNJ	1.0	SUN	PV
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	1	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	10	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	11	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	12	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	2	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	3	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	4	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	5	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	6	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	7	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	8	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	9	43.4	NG	GT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011.....	5	Edison Mission Energy	IPP	Community Wind North LLC	MN	57385	34505	1.0	WND	WT
2011.....	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3A	232.0	NG	CT
2011.....	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3B	244.0	NG	CT
2011.....	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3C	232.0	NG	CT
2011.....	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3ST	523.0	NG	CA
2011.....	5	Los Alamos County	Electric Utility	Abiquiu Dam	NM	7789	3	3.0	WAT	HY
2011.....	5	Masser Farms Realty Ltd	IPP	Masser Farms Realty Solar	PA	57494	MFRS	.9	SUN	PV
2011.....	5	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	3A	.5	DFO	IC
2011.....	5	McKinney LFG LLC	IPP	McKinney LFG	TX	57508	GEN1	1.3	LFG	IC
2011.....	5	McKinney LFG LLC	IPP	McKinney LFG	TX	57508	GEN2	1.3	LFG	IC
2011.....	5	Milford Wind Corridor Stage II LLC	IPP	Milford Wind Corridor Stage II LLC	UT	57107	1	102.0	WND	WT
2011.....	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CA	119.6	NG	CA
2011.....	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CT1	151.6	NG	CT
2011.....	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CT2	151.6	NG	CT
2011.....	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1A	165.0	NG	CT
2011.....	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1B	170.0	NG	CT
2011.....	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1C	255.0	NG	CA
2011.....	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN1	0.8	LFG	IC
2011.....	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN2	0.8	LFG	IC
2011.....	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN3	0.8	LFG	IC
2011.....	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN4	0.8	LFG	IC
2011.....	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN5	0.8	LFG	IC
Year-to-Date Capacity of New Units								**9,751.3**		
Year-to-Date Capacity of Retired Units								**1,645.9**		
Year-to-Date U.S. Capacity								**1,049,421.8**		

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, 2011

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	1	AERA Energy LLC-Oxford	Industrial	Oxford Cogeneration Facility	CA	52093	GEN1	2.4	NG	GT
2011	1	AERA Energy LLC-Oxford	Industrial	Oxford Cogeneration Facility	CA	52093	GEN2	2.4	NG	GT
2011	1	Aera Energy LLC-Weir	Industrial	Weir Cogen Plant	CA	50848	GT1	3.2	NG	GT
2011	1	City of Hugoton	Electric Utility	Hugoton 1	KS	1289	6	1.2	DFO	IC
2011	1	Dynegy South Bay LLC	IPP	Dynegy South Bay Power Plant	CA	310	5	14	JF	GT
2011	1	Dynegy South Bay LLC	IPP	Dynegy South Bay Power Plant	CA	310	ST1	146	NG	ST
2011	1	Erving Paper Mills Inc	Industrial	Erving Paper Mills	MA	54228	1	0.3	RFO	ST
2011	2	BP PLC	Industrial	Whiting Refinery	IN	52130	15TG	5	OG	ST
2011	2	City of Garland	Electric Utility	C E Newman	TX	3574	5	37	NG	ST
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	3	206	NG	ST
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	4	52	DFO	GT
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	5	52	DFO	GT
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	6	52	DFO	GT
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	5	1.7	DFO	IC
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	6	1.7	DFO	IC
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	7	4.5	NG	IC
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	6	40	DFO	ST
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	7	45	BIT	ST
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	8	75	BIT	ST
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5100	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5200	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5300	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5400	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5500	1.6	DFO	IC
2011	3	San Antonio City of	Electric Utility	W B Tuttle	TX	3613	1	60	NG	ST
2011	3	San Antonio City of	Electric Utility	W B Tuttle	TX	3613	3	100	NG	ST
2011	3	San Antonio City of	Electric Utility	W B Tuttle	TX	3613	4	154	NG	ST
2011	4	City of Hopkinton	Electric Utility	Hopkinton	IA	8108	IC3	1.2	DFO	IC
2011	4	Public Service Co of NM	Electric Utility	Las Vegas	NM	2447	1	20	DFO	GT
2011	4	WM Illinois Renewable Energy LLC	IPP	CID Gas Recovery	IL	50573	GEN1	2.9	LFG	GT
2011	5	Ashland Inc	Industrial	Ashland Inc	MO	10207	GEN1	8.6	BIT	ST
2011	5	Ashland Inc	Industrial	Ashland Inc	MO	10207	GEN2	8.6	BIT	ST
2011	5	City of Hopkinton	Electric Utility	Hopkinton	IA	8108	IC2	1.7	DFO	IC
2011	5	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	3	75	BIT	ST
2011	5	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	4	38	BIT	ST
2011	5	Exelon Power	IPP	Cromby Generating Station	PA	3159	1	144	BIT	ST
2011	5	Exelon Power	IPP	Eddystone Generating Station	PA	3161	1	279	BIT	ST
2011	5	IVEX Packaging Paper LLC	Industrial	IVEX Packaging	IL	52032	0001	3.5	NG	GT
Year-to-Date Capacity of Retired Units								**1,645.9**		

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), 1997 through April 2011
(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
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	**1,985,801**	**31,917**	**14,325**	**882,981**	**11,707**	**806,208**	**254,831**	**126,101**	**-6,288**	**11,804**	**4,119,388**
2009											
January	171,925	4,968	1,136	66,390	807	74,102	23,490	11,739	-501	936	354,993
February	140,916	2,267	1,051	62,139	784	64,227	17,812	11,231	-413	875	300,887
March	135,530	2,089	1,260	68,203	834	67,241	21,827	12,950	-315	984	310,603
April	125,935	1,658	1,148	61,159	758	59,408	25,770	12,986	-272	987	289,537
May	131,673	2,053	1,156	68,146	773	65,395	29,560	11,864	-349	1,035	311,306
June	148,087	2,090	1,153	84,205	876	69,735	29,233	11,467	-226	1,038	347,658
July	158,234	2,124	1,234	101,894	966	72,949	23,385	11,187	-491	1,061	372,542
August	163,260	2,449	1,193	109,240	1,012	72,245	19,580	11,791	-613	1,064	381,221
September	137,145	1,677	1,176	92,127	1,022	65,752	17,359	10,524	-348	967	327,401
October	139,956	1,815	746	72,603	960	58,021	19,691	12,668	-385	967	307,040
November	136,810	1,315	757	63,285	910	59,069	21,008	12,810	-330	1,000	296,635
December	166,434	1,468	954	71,590	930	70,710	24,730	13,061	-383	1,014	350,507
Total	**1,755,904**	**25,972**	**12,964**	**920,979**	**10,632**	**798,855**	**273,445**	**144,279**	**-4,627**	**11,928**	**3,950,331**
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
December	167,548	2,418	1,114	76,822	938	73,683	23,111	15,221	-530	918	361,244
Total	**1,850,750**	**23,397**	**13,528**	**981,815**	**11,193**	**806,968**	**257,052**	**168,144**	**-4,091**	**11,273**	**4,120,028**
2011											
January	171,246	1,840	1,448	74,070	923	72,743	25,746	14,966	-426	824	363,378
February	138,590	1,173	1,028	65,375	795	64,789	24,346	15,729	-247	756	312,334
March	134,715	1,238	1,198	65,679	958	65,662	31,385	16,434	-350	915	317,835
April	124,389	1,331	822	70,218	908	54,547	31,293	18,202	-467	912	302,156
Total	**568,939**	**5,583**	**4,495**	**275,342**	**3,583**	**257,741**	**112,769**	**65,331**	**-1,490**	**3,408**	**1,295,702**
Year-to-Date											
2009	574,306	10,982	4,595	257,890	3,183	264,979	88,900	48,905	-1,502	3,782	1,256,020
2010	598,445	6,783	4,513	265,691	3,682	260,061	81,925	54,734	-985	3,437	1,278,285
2011	568,939	5,583	4,495	275,342	3,583	257,741	112,769	65,331	-1,490	3,408	1,295,702
Rolling 12 Months Ending in April											
2010	1,780,043	21,776	12,881	928,644	11,128	793,936	266,471	149,808	-4,110	11,585	3,972,162
2011	1,821,244	22,197	13,511	991,466	11,095	804,649	287,896	178,740	-4,596	11,243	4,137,445

[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 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 and 2011 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), 1997 through April 2011
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels[1]	Geothermal	Other Biomass[2]	Total (Other Renewables)
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	**55,363**	**864**	**37,300**	**14,840**	**17,734**	**126,101**
2009						
January	5,951	7	3,030	1,289	1,462	11,739
February	5,852	30	2,823	1,168	1,357	11,231
March	7,099	78	2,919	1,300	1,553	12,950
April	7,458	99	2,664	1,222	1,542	12,986
May	6,262	110	2,735	1,235	1,522	11,864
June	5,599	103	2,997	1,209	1,558	11,467
July	4,955	121	3,227	1,255	1,628	11,187
August	5,464	116	3,355	1,251	1,604	11,791
September	4,651	95	3,061	1,217	1,501	10,524
October	6,814	68	3,032	1,221	1,533	12,668
November	6,875	40	3,049	1,273	1,572	12,810
December	6,906	21	3,158	1,368	1,608	13,061
Total	**73,886**	**891**	**36,050**	**15,009**	**18,443**	**144,279**
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
December	8,833	38	3,319	1,412	1,619	15,221
Total	**94,647**	**1,299**	**37,975**	**15,666**	**18,557**	**168,144**
2011						
January	8,888	43	3,167	1,435	1,432	14,966
February	10,315	102	2,699	1,289	1,325	15,729
March	10,452	110	2,878	1,425	1,568	16,434
April	12,322	166	2,749	1,304	1,660	18,202
Total	**41,976**	**422**	**11,493**	**5,454**	**5,985**	**65,331**
Year-to-Date						
2009	26,360	215	11,436	4,979	5,915	48,905
2010	30,979	249	12,374	5,184	5,949	54,734
2011	41,976	422	11,493	5,454	5,985	65,331
Rolling 12 Months Ending in April						
2010	78,505	925	36,688	15,213	18,476	149,808
2011	105,644	1,472	37,095	15,937	18,593	178,740

[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).

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 and 2011 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, 1997 through April 2011
(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
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	**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
December	123,695	1,764	732	29,922	3	38,722	20,967	1,513	-439	22	216,900
Total	**1,380,311**	**17,355**	**8,817**	**381,496**	**73**	**424,843**	**233,638**	**16,850**	**-3,484**	**325**	**2,460,222**
2011											
January	126,858	1,186	1,057	28,175	3	37,742	23,855	1,619	-500	26	220,021
February	103,912	874	668	24,307	4	34,119	22,479	1,807	-305	16	187,880
March	102,367	963	758	25,441	4	34,201	28,647	1,816	-277	18	193,939
April	93,616	1,034	506	27,874	4	28,964	28,462	2,124	-404	21	182,202
Total	**426,753**	**4,057**	**2,989**	**105,797**	**16**	**135,026**	**103,443**	**7,366**	**-1,486**	**81**	**784,041**
Year-to-Date											
2009	425,830	6,440	2,790	96,865	24	139,129	79,959	5,086	-1,118	164	755,169
2010	447,230	5,174	2,925	102,140	30	138,696	73,243	5,482	-559	82	774,442
2011	426,753	4,057	2,989	105,797	16	135,026	103,443	7,366	-1,486	81	784,041
Rolling 12 Months Ending in April											
2010	1,343,492	16,768	7,317	354,442	102	416,843	240,481	15,013	-2,809	401	2,392,049
2011	1,359,834	16,239	8,881	385,153	59	421,173	263,838	18,734	-4,412	324	2,469,822

[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 and 2011 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, 1997 through April 2011
(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
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	**502,442**	**8,021**	**6,737**	**482,182**	**3,154**	**381,952**	**23,451**	**85,776**	**-1,145**	**6,414**	**1,498,982**
2009											
January	43,505	2,242	327	35,753	214	34,648	1,922	8,266	-94	514	127,298
February	35,619	646	327	33,009	208	30,473	1,724	7,998	-105	464	110,362
March	33,514	624	354	35,290	232	32,385	2,208	9,259	-85	514	114,294
April	31,018	280	340	32,352	224	28,344	2,361	9,531	-100	514	104,864
May	31,064	281	338	35,944	226	31,599	2,522	8,422	-104	509	110,801
June	33,220	282	376	44,462	245	33,101	2,368	8,040	-87	523	122,529
July	37,046	341	430	55,916	279	33,873	2,245	7,741	-119	545	138,296
August	38,636	526	388	61,254	269	34,161	1,970	8,081	-150	552	145,687
September	30,063	245	405	49,763	288	31,749	1,346	7,180	-101	506	121,443
October	33,077	271	312	38,282	272	27,912	1,637	8,933	-114	490	111,073
November	31,641	247	326	32,331	247	29,725	1,809	9,015	-94	489	105,735
December	40,629	323	367	37,482	256	33,608	2,198	9,393	-105	527	124,678
Total	**419,031**	**6,306**	**4,288**	**491,839**	**2,962**	**381,579**	**24,308**	**101,860**	**-1,259**	**6,146**	**1,437,061**
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
December	42,111	542	258	39,517	201	34,962	1,999	11,224	-91	572	131,295
Total	**450,915**	**5,009**	**3,256**	**516,878**	**2,767**	**382,126**	**21,690**	**122,325**	**-607**	**6,651**	**1,511,010**
2011											
January	42,618	571	259	38,792	245	35,000	1,746	10,962	74	479	130,745
February	33,180	239	260	34,930	219	30,670	1,699	11,916	58	454	113,624
March	30,894	216	335	33,666	249	31,461	2,541	12,418	-72	552	112,261
April	29,544	214	222	35,734	241	25,583	2,628	13,818	-63	557	108,478
Total	**136,236**	**1,240**	**1,076**	**143,122**	**953**	**122,715**	**8,613**	**49,114**	**-3**	**2,043**	**465,109**
Year-to-Date											
2009	143,655	3,791	1,347	136,405	879	125,850	8,214	35,055	-384	2,006	456,819
2010	144,957	1,290	1,106	136,687	1,003	121,364	7,957	39,827	-426	2,049	455,813
2011	136,236	1,240	1,076	143,122	953	122,715	8,613	49,114	-3	2,043	465,109
Rolling 12 Months Ending in April											
2010	420,333	3,809	4,047	492,036	3,082	377,094	24,051	106,631	-1,301	6,192	1,435,974
2011	442,195	4,959	3,227	523,313	2,718	383,476	22,347	131,613	-184	6,645	1,520,307

[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 and 2011 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, 1997 through April 2011

(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
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	**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
December	87	10	1	395	--	--	12	144	--	64	712
Total	**1,078**	**129**	**7**	**4,470**	**--**	**--**	**92**	**1,747**	**--**	**810**	**8,334**
2011											
January	103	11	1	377	--	--	11	138	--	65	706
February	96	8	1	337	--	--	11	124	--	58	634
March	78	6	1	320	--	--	13	140	--	71	629
April	73	6	--	326	--	--	12	125	--	64	607
Total	**350**	**31**	**2**	**1,360**	**--**	**--**	**47**	**528**	**--**	**258**	**2,576**
Year-to-Date											
2009	358	84	2	1,363	--	--	34	549	--	255	2,645
2010	391	34	3	1,361	--	--	33	550	--	252	2,625
2011	350	31	2	1,360	--	--	47	528	--	258	2,576
Rolling 12 Months Ending in April											
2010	1,129	108	6	4,223	--	--	70	1,769	--	839	8,144
2011	1,036	126	6	4,470	--	--	106	1,725	--	816	8,284

[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 and 2011 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, 1997 through April 2011

(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
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	**15,703**	**1,555**	**1,664**	**76,421**	**8,507**	**--**	**1,676**	**27,462**	**--**	**4,125**	**137,113**
2009											
January	1,194	204	119	6,059	587	--	165	2,114	--	316	10,760
February	1,081	174	125	5,642	571	--	144	1,978	--	325	10,040
March	1,130	152	109	6,022	595	--	193	2,119	--	358	10,678
April	1,058	135	103	5,534	527	--	191	2,005	--	357	9,910
May	1,070	128	107	5,710	539	--	187	2,029	--	401	10,170
June	1,160	130	114	6,269	623	--	169	2,114	--	394	10,973
July	1,195	96	143	7,013	678	--	140	2,305	--	400	11,968
August	1,235	99	140	7,189	734	--	136	2,387	--	393	12,314
September	1,105	96	142	6,810	725	--	95	2,220	--	352	11,545
October	1,204	80	132	6,405	680	--	136	2,278	--	375	11,289
November	1,072	79	136	6,239	655	--	137	2,257	--	400	10,975
December	1,181	99	120	6,855	662	--	175	2,229	--	387	11,709
Total	**13,686**	**1,474**	**1,489**	**75,748**	**7,574**	**--**	**1,868**	**26,033**	**--**	**4,457**	**132,329**
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
December	1,655	102	124	6,988	733	--	134	2,340	--	260	12,336
Total	**18,446**	**903**	**1,448**	**78,972**	**8,353**	**--**	**1,632**	**27,221**	**--**	**3,486**	**140,461**
2011											
January	1,667	72	131	6,726	675	--	134	2,247	--	254	11,906
February	1,402	53	100	5,801	572	--	157	1,882	--	229	10,195
March	1,375	53	104	6,252	705	--	184	2,059	--	273	11,006
April	1,156	77	93	6,284	663	--	192	2,135	--	270	10,869
Total	**5,600**	**255**	**428**	**25,062**	**2,615**	**--**	**666**	**8,323**	**--**	**1,026**	**43,976**
Year-to-Date											
2009	4,464	667	456	23,257	2,280	--	693	8,215	--	1,356	41,387
2010	5,867	284	479	25,503	2,649	--	693	8,875	--	1,054	45,405
2011	5,600	255	428	25,062	2,615	--	666	8,323	--	1,026	43,976
Rolling 12 Months Ending in April											
2010	15,089	1,091	1,511	77,945	7,944	--	1,868	26,394	--	4,153	135,995
2011	18,179	874	1,397	78,531	8,318	--	1,605	26,669	--	3,459	139,032

[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 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**8,852**	**8,718**	**1.5**	**327**	**353**	**8,106**	**7,863**	**58**	**59**	**361**	**443**
Connecticut	2,079	1,800	15.5	NM	NM	2,047	1,773	NM	NM	NM	NM
Maine	1,259	1,152	9.3	NM	NM	932	734	15	16	313	402
Massachusetts	3,342	3,239	3.2	50	30	3,239	3,159	34	35	NM	NM
New Hampshire	1,057	1,486	-28.9	226	272	827	1,210	NM	NM	NM	NM
Rhode Island	518	570	-9.2	1	1	512	565	NM	NM	--	--
Vermont	598	471	27.0	46	47	550	423	--	--	NM	NM
Middle Atlantic	**30,723**	**29,185**	**5.3**	**2,744**	**2,696**	**27,517**	**26,022**	**85**	**103**	**377**	**365**
New Jersey	4,644	4,346	6.9	-14	-8	4,591	4,265	NM	30	NM	59
New York	10,102	9,091	11.1	2,518	2,582	7,451	6,375	44	51	89	83
Pennsylvania	15,977	15,748	1.5	239	122	15,475	15,382	24	22	238	223
East North Central	**45,386**	**45,078**	**.7**	**24,054**	**23,708**	**20,493**	**20,481**	**109**	**115**	**730**	**774**
Illinois	14,666	14,476	1.3	697	727	13,745	13,540	42	30	182	180
Indiana	8,085	8,033	.6	6,678	6,784	1,163	966	NM	13	230	270
Michigan	8,530	8,479	.6	7,004	7,028	1,400	1,297	43	57	83	96
Ohio	9,553	9,324	2.5	6,348	5,884	3,134	3,379	--	--	71	60
Wisconsin	4,552	4,766	-4.5	3,326	3,284	1,050	1,299	NM	15	163	169
West North Central	**24,224**	**23,949**	**1.1**	**21,205**	**21,456**	**2,736**	**2,207**	**27**	**35**	**255**	**251**
Iowa	4,744	4,291	10.6	3,614	3,359	995	797	NM	17	123	117
Kansas	3,013	3,632	-17.0	2,748	3,352	265	280	--	--	--	--
Minnesota	3,708	4,022	-7.8	2,966	3,294	624	613	NM	9	110	104
Missouri	6,751	6,341	6.5	6,533	6,247	205	78	5	7	NM	9
Nebraska	2,499	2,546	-1.9	2,414	2,522	81	20	NM	NM	NM	NM
North Dakota	2,531	2,529	.1	2,143	2,174	375	338	NM	NM	NM	18
South Dakota	978	588	66.3	787	508	191	80	NM	NM	--	--
South Atlantic	**57,471**	**54,537**	**5.4**	**47,071**	**45,801**	**9,027**	**7,348**	**43**	**39**	**1,330**	**1,349**
Delaware	551	220	150.5	NM	NM	550	218	--	--	--	NM
District of Columbia	--	1	--	--	--	--	1	--	--	--	--
Florida	18,081	15,440	17.1	16,051	13,941	1,632	1,116	NM	NM	393	378
Georgia	9,160	9,728	-5.8	7,817	8,913	971	404	NM	2	370	409
Maryland	3,136	2,901	8.1	NM	NM	3,085	2,859	NM	4	47	38
North Carolina	8,493	7,926	7.2	7,997	7,521	360	267	NM	NM	135	138
South Carolina	7,383	7,165	3.0	7,149	6,945	93	88	NM	NM	141	133
Virginia	4,545	4,338	4.8	3,870	3,742	485	405	31	26	159	166
West Virginia	6,122	6,817	-10.2	4,185	4,739	1,852	1,990	--	--	85	87
East South Central	**27,716**	**25,892**	**7.0**	**24,747**	**23,397**	**2,216**	**1,781**	**NM**	**NM**	**743**	**703**
Alabama	11,021	10,303	7.0	9,232	8,962	1,442	1,019	--	--	347	322
Kentucky	7,217	6,709	7.6	7,167	6,659	NM	NM	--	--	48	48
Mississippi	3,355	3,168	5.9	2,439	2,272	762	751	NM	NM	153	143
Tennessee	6,123	5,713	7.2	5,908	5,504	11	8	NM	NM	195	192
West South Central	**49,981**	**43,568**	**14.7**	**18,215**	**16,342**	**26,107**	**21,957**	**45**	**46**	**5,613**	**5,222**
Arkansas	3,848	3,899	-1.3	2,803	3,320	881	420	NM	NM	163	158
Louisiana	8,223	7,088	16.0	4,024	3,289	1,797	1,596	NM	NM	2,398	2,200
Oklahoma	5,243	4,682	12.0	3,927	3,661	1,244	951	NM	NM	70	68
Texas	32,667	27,899	17.1	7,461	6,073	22,185	18,991	39	40	2,982	2,796
Mountain	**25,681**	**27,024**	**-5.0**	**20,433**	**20,086**	**5,035**	**6,610**	**NM**	**NM**	**203**	**315**
Arizona	7,346	7,721	-4.9	6,559	6,216	758	1,483	NM	NM	NM	NM
Colorado	3,662	3,804	-3.8	2,641	2,698	1,017	1,102	--	--	NM	NM
Idaho	1,471	846	73.9	1,100	538	328	265	--	--	42	42
Montana	2,061	2,222	-7.2	801	294	1,251	1,918	--	--	9	9
Nevada	2,132	2,797	-23.8	1,369	1,753	737	1,017	--	--	NM	NM
New Mexico	2,974	2,436	22.1	2,414	1,932	549	495	NM	NM	NM	NM
Utah	2,688	3,640	-26.1	2,557	3,388	105	116	NM	NM	26	135
Wyoming	3,349	3,558	-5.9	2,991	3,267	290	214	--	--	68	77
Pacific Contiguous	**30,723**	**27,990**	**9.8**	**22,415**	**16,185**	**6,926**	**10,220**	**172**	**191**	**1,210**	**1,395**
California	16,021	15,906	.7	9,206	6,782	5,557	7,725	163	180	1,095	1,220
Oregon	4,993	4,326	15.4	4,141	3,015	811	1,246	NM	2	41	64
Washington	9,709	7,758	25.1	9,069	6,387	558	1,250	8	9	74	111
Pacific Noncontiguous	**1,400**	**1,339**	**4.5**	**991**	**950**	**317**	**326**	**46**	**46**	**NM**	**17**
Alaska	530	529	.2	488	486	NM	16	22	19	NM	8
Hawaii	870	810	7.4	503	464	302	310	24	27	NM	9
U.S. Total	**302,156**	**287,279**	**5.2**	**182,202**	**170,973**	**108,478**	**104,815**	**607**	**656**	**10,869**	**10,834**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**40,177**	**39,133**	**2.7**	**1,826**	**1,868**	**36,374**	**35,176**	**270**	**258**	**1,707**	**1,832**
Connecticut	10,461	9,579	9.2	NM	NM	10,338	9,473	NM	NM	94	77
Maine	4,952	5,208	-4.9	NM	NM	3,363	3,467	64	61	1,524	1,679
Massachusetts	12,779	12,891	-.9	175	119	12,369	12,554	166	163	69	55
New Hampshire	7,056	6,840	3.2	1,399	1,466	5,640	5,357	NM	NM	NM	NM
Rhode Island	2,511	2,263	11.0	3	2	2,489	2,245	NM	NM	--	--
Vermont	2,419	2,353	2.8	235	264	2,176	2,080	--	--	NM	NM
Middle Atlantic	**135,709**	**132,227**	**2.6**	**11,445**	**11,399**	**122,342**	**118,880**	**398**	**409**	**1,524**	**1,539**
New Jersey	20,544	20,225	1.6	-44	-35	20,255	19,894	113	126	220	240
New York	42,539	40,698	4.5	10,863	10,914	31,119	29,237	203	205	354	342
Pennsylvania	72,626	71,304	1.9	626	520	70,968	69,749	83	77	950	958
East North Central	**205,355**	**204,502**	**.4**	**109,304**	**112,742**	**92,615**	**88,284**	**443**	**456**	**2,993**	**3,020**
Illinois	64,656	64,642	.0	3,707	4,041	60,013	59,709	179	164	758	727
Indiana	38,712	39,142	-1.1	32,905	33,937	4,845	4,209	62	61	900	936
Michigan	34,796	35,637	-2.4	27,589	29,687	6,673	5,364	144	171	389	415
Ohio	46,668	44,878	4.0	30,051	30,715	16,354	13,907	--	--	263	256
Wisconsin	20,523	20,204	1.6	15,052	14,362	4,731	5,095	58	60	682	687
West North Central	**108,598**	**107,286**	**1.2**	**97,340**	**97,956**	**10,020**	**8,061**	**134**	**159**	**1,104**	**1,110**
Iowa	18,448	18,811	-1.9	14,205	14,993	3,667	3,246	65	80	511	491
Kansas	13,718	15,574	-11.9	12,773	14,695	945	879	--	--	--	--
Minnesota	17,980	17,717	1.5	15,094	15,021	2,365	2,168	34	37	487	490
Missouri	31,444	29,093	8.1	30,719	28,635	663	381	31	36	32	41
Nebraska	11,316	11,960	-5.4	11,036	11,865	263	77	NM	4	NM	14
North Dakota	12,294	11,608	5.9	10,640	10,427	1,591	1,106	NM	NM	62	75
South Dakota	3,399	2,525	34.6	2,873	2,321	525	204	NM	NM	--	--
South Atlantic	**238,616**	**249,877**	**-4.5**	**196,878**	**209,285**	**36,478**	**34,869**	**183**	**162**	**5,077**	**5,561**
Delaware	1,610	1,450	11.1	NM	NM	1,605	1,441	--	--	*	NM
District of Columbia	2	3	-37.7	--	--	2	3	--	--	--	--
Florida	65,392	66,889	-2.2	59,178	60,522	4,723	4,790	NM	19	1,469	1,558
Georgia	38,250	41,460	-7.7	33,511	37,275	3,246	2,567	7	7	1,485	1,612
Maryland	13,523	13,479	.3	1	1	13,365	13,322	14	15	143	141
North Carolina	37,126	40,099	-7.4	34,971	38,249	1,665	1,271	20	25	470	554
South Carolina	33,439	34,364	-2.7	32,599	33,486	333	328	NM	NM	506	548
Virginia	22,796	23,110	-1.4	18,131	19,300	3,925	2,965	119	94	620	750
West Virginia	26,479	29,023	-8.8	18,481	20,449	7,615	8,181	--	--	383	393
East South Central	**125,102**	**124,728**	**.3**	**110,691**	**111,960**	**11,444**	**9,734**	**NM**	**44**	**2,923**	**2,990**
Alabama	49,516	48,380	2.3	40,104	41,675	8,060	5,284	--	--	1,351	1,420
Kentucky	32,751	32,249	1.6	32,542	32,020	NM	30	--	--	202	198
Mississippi	14,677	15,799	-7.1	10,723	10,784	3,343	4,394	NM	NM	604	614
Tennessee	28,157	28,301	-.5	27,321	27,482	33	26	NM	36	766	757
West South Central	**200,122**	**190,383**	**5.1**	**75,301**	**73,886**	**102,011**	**93,737**	**170**	**169**	**22,640**	**22,591**
Arkansas	18,441	18,010	2.4	13,480	15,051	4,297	2,318	NM	NM	663	641
Louisiana	32,709	30,225	8.2	16,149	14,356	7,469	6,814	NM	NM	9,076	9,040
Oklahoma	21,841	21,280	2.6	17,334	17,500	4,211	3,475	NM	NM	284	297
Texas	127,132	120,867	5.2	28,338	26,979	86,033	81,129	143	145	12,617	12,613
Mountain	**112,968**	**113,523**	**-.5**	**90,696**	**87,673**	**21,350**	**24,740**	**44**	**48**	**878**	**1,062**
Arizona	31,601	31,985	-1.2	28,381	27,341	3,108	4,531	NM	24	90	90
Colorado	17,186	16,666	3.1	13,720	12,664	3,448	3,986	*	*	18	16
Idaho	5,682	3,420	66.2	4,486	2,290	1,033	965	--	--	163	165
Montana	9,659	9,273	4.2	2,685	1,334	6,939	7,903	--	--	35	36
Nevada	8,902	11,559	-23.0	5,662	7,272	3,140	4,206	--	--	100	81
New Mexico	12,456	10,329	20.6	10,453	8,351	1,965	1,944	NM	23	NM	NM
Utah	12,274	14,407	-14.8	11,707	13,637	451	439	NM	NM	115	329
Wyoming	15,207	15,883	-4.3	13,602	14,784	1,266	765	--	--	338	334
Pacific Contiguous	**123,305**	**111,083**	**11.0**	**86,375**	**63,572**	**31,207**	**41,156**	**710**	**734**	**5,013**	**5,622**
California	61,997	61,958	.1	31,558	24,581	25,341	31,711	668	704	4,430	4,962
Oregon	21,311	18,532	15.0	17,889	13,556	3,215	4,735	6	6	201	236
Washington	39,997	30,592	30.7	36,929	25,435	2,650	4,710	36	23	381	424
Pacific Noncontiguous	**5,751**	**5,542**	**3.8**	**4,184**	**4,101**	**1,269**	**1,177**	**180**	**187**	**118**	**78**
Alaska	2,330	2,286	1.9	2,156	2,102	68	71	76	80	29	33
Hawaii	3,421	3,257	5.0	2,028	1,999	1,200	1,106	103	107	89	44
U.S. Total	**1,295,702**	**1,278,285**	**1.4**	**784,041**	**774,442**	**465,109**	**455,813**	**2,576**	**2,625**	**43,976**	**45,405**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**652**	**1,119**	**-41.7**	**185**	**224**	**465**	**892**	**--**	**--**	**NM**	**3**
Connecticut	-1	144	-100.4	--	--	-1	144	--	--	--	--
Maine	3	5	-39.3	--	--	2	3	--	--	1	1
Massachusetts	466	747	-37.6	--	--	464	745	--	--	NM	NM
New Hampshire	185	224	-17.6	185	224	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**7,904**	**8,370**	**-5.6**	**NM**	**NM**	**7,772**	**8,245**	**--**	**NM**	**128**	**123**
New Jersey	281	396	-29.0	NM	NM	278	395	--	--	--	--
New York	686	597	14.9	--	--	652	569	--	--	34	28
Pennsylvania	6,936	7,376	-6.0	--	--	6,842	7,281	--	NM	94	95
East North Central	**28,088**	**29,243**	**-3.9**	**20,351**	**21,033**	**7,451**	**7,910**	**32**	**36**	**254**	**264**
Illinois	6,222	6,124	1.6	681	713	5,395	5,265	2	*	144	146
Indiana	6,611	7,189	-8.0	6,030	6,638	571	541	NM	7	NM	NM
Michigan	4,545	4,953	-8.2	4,476	4,889	33	NM	21	26	NM	19
Ohio	7,750	7,916	-2.1	6,281	5,812	1,448	2,081	--	--	21	23
Wisconsin	2,960	3,059	-3.2	2,883	2,981	NM	NM	NM	NM	70	73
West North Central	**17,204**	**16,746**	**2.7**	**17,006**	**16,543**	**2**	**2**	**16**	**21**	**179**	**180**
Iowa	3,080	2,934	5.0	2,956	2,815	--	--	NM	14	114	104
Kansas	2,500	2,295	9.0	2,500	2,295	--	--	--	--	--	--
Minnesota	1,914	2,111	-9.4	1,863	2,053	2	2	--	--	48	56
Missouri	5,403	5,499	-1.8	5,391	5,484	--	--	6	7	NM	8
Nebraska	2,147	1,592	34.8	2,145	1,589	--	--	--	--	NM	NM
North Dakota	1,921	2,053	-6.4	1,913	2,044	--	--	--	--	NM	9
South Dakota	238	262	-8.8	238	262	--	--	--	--	--	--
South Atlantic	**24,483**	**25,750**	**-4.9**	**20,478**	**21,895**	**3,798**	**3,624**	**NM**	**NM**	**205**	**230**
Delaware	127	71	80.4	--	--	127	70	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,411	3,606	22.3	4,076	3,377	317	205	--	--	NM	23
Georgia	4,420	5,549	-20.3	4,369	5,479	--	--	--	--	50	69
Maryland	1,317	1,201	9.7	--	--	1,294	1,183	--	--	23	18
North Carolina	4,345	4,586	-5.3	4,151	4,417	174	146	*	--	NM	23
South Carolina	2,503	2,447	2.3	2,461	2,426	NM	NM	--	--	22	14
Virginia	1,515	1,706	-11.2	1,293	1,505	160	135	NM	NM	60	63
West Virginia	5,845	6,586	-11.3	4,128	4,690	1,705	1,878	--	--	12	18
East South Central	**14,241**	**14,318**	**-.5**	**13,821**	**14,058**	**279**	**114**	**NM**	**NM**	**140**	**144**
Alabama	3,686	4,669	-21.1	3,647	4,630	9	11	--	--	29	29
Kentucky	6,631	6,230	6.4	6,631	6,230	--	--	--	--	--	--
Mississippi	757	688	10.0	487	585	270	103	--	--	--	--
Tennessee	3,167	2,731	16.0	3,056	2,613	--	--	NM	NM	110	115
West South Central	**18,321**	**15,105**	**21.3**	**9,490**	**8,535**	**8,661**	**6,508**	**--**	**--**	**170**	**62**
Arkansas	1,547	2,195	-29.5	1,248	2,185	290	--	--	--	9	10
Louisiana	1,858	1,259	47.5	737	347	1,121	913	--	--	--	--
Oklahoma	2,517	1,959	28.5	2,365	1,812	112	112	--	--	40	35
Texas	12,400	9,692	27.9	5,140	4,192	7,138	5,483	--	--	122	18
Mountain	**13,065**	**15,258**	**-14.4**	**12,165**	**13,324**	**857**	**1,790**	**--**	**--**	**43**	**144**
Arizona	3,125	3,008	3.9	3,103	2,992	--	--	--	--	NM	NM
Colorado	2,173	2,476	-12.2	2,159	2,463	NM	NM	--	--	--	--
Idaho	NM	NM	--	--	--	--	--	--	--	NM	NM
Montana	689	1,585	-56.5	NM	NM	668	1,558	--	--	--	--
Nevada	201	515	-61.0	100	385	101	131	--	--	--	--
New Mexico	2,080	1,584	31.3	2,080	1,584	--	--	--	--	--	--
Utah	2,117	2,982	-29.0	2,089	2,841	NM	NM	--	--	--	106
Wyoming	2,674	3,101	-13.8	2,613	3,033	NM	NM	--	--	NM	15
Pacific Contiguous	**250**	**1,094**	**-77.1**	**102**	**356**	**119**	**704**	**--**	**--**	**29**	**34**
California	147	170	-13.7	--	--	119	140	--	--	27	30
Oregon	102	356	-71.4	102	356	--	--	--	--	--	--
Washington	1	568	-99.8	--	--	--	563	--	--	1	4
Pacific Noncontiguous	**181**	**161**	**12.6**	**15**	**6**	**140**	**136**	**21**	**19**	**NM**	**--**
Alaska	50	40	23.8	15	6	NM	16	21	19	--	--
Hawaii	131	120	8.8	--	--	125	120	--	--	NM	--
U.S. Total	**124,389**	**127,164**	**-2.2**	**93,616**	**95,976**	**29,544**	**29,924**	**73**	**79**	**1,156**	**1,184**

* = 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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**3,872**	**5,389**	**-28.1**	**1,124**	**1,210**	**2,734**	**4,149**	**--**	**--**	**15**	**29**
Connecticut	248	830	-70.1	--	--	248	830	--	--	--	--
Maine	23	44	-46.8	--	--	16	24	--	--	8	20
Massachusetts	2,477	3,305	-25.0	--	--	2,470	3,295	--	--	NM	9
New Hampshire	1,124	1,210	-7.1	1,124	1,210	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**38,322**	**43,513**	**-11.9**	**NM**	**NM**	**37,797**	**42,957**	**1**	**5**	**502**	**537**
New Jersey	1,535	2,279	-32.6	NM	NM	1,513	2,266	--	--	--	--
New York	3,899	4,398	-11.3	--	--	3,775	4,279	1	4	122	114
Pennsylvania	32,887	36,835	-10.7	--	--	32,508	36,412	--	NM	379	423
East North Central	**131,639**	**139,766**	**-5.8**	**94,748**	**101,308**	**35,615**	**37,098**	**160**	**168**	**1,117**	**1,192**
Illinois	29,500	31,137	-5.3	3,656	3,981	25,209	26,505	22	19	613	632
Indiana	32,836	35,891	-8.5	30,179	33,262	2,604	2,573	38	40	NM	16
Michigan	18,839	21,583	-12.7	18,517	21,246	139	124	91	100	92	113
Ohio	36,825	38,418	-4.1	29,106	30,438	7,631	7,870	--	--	88	110
Wisconsin	13,639	12,738	7.1	13,290	12,380	NM	NM	NM	10	309	320
West North Central	**76,348**	**76,600**	**-.3**	**75,478**	**75,690**	**NM**	**12**	**83**	**103**	**777**	**795**
Iowa	12,274	13,537	-9.3	11,750	13,026	--	--	52	67	471	444
Kansas	9,707	10,637	-8.7	9,707	10,637	--	--	--	--	--	--
Minnesota	9,832	9,584	2.6	9,594	9,313	NM	12	--	--	227	259
Missouri	25,771	23,780	8.4	25,712	23,706	--	--	31	36	29	38
Nebraska	8,030	7,995	.4	8,018	7,982	--	--	--	--	NM	14
North Dakota	9,620	9,807	-1.9	9,583	9,766	--	--	--	--	37	41
South Dakota	1,114	1,260	-11.6	1,114	1,260	--	--	--	--	--	--
South Atlantic	**108,712**	**122,636**	**-11.4**	**90,278**	**102,414**	**17,517**	**19,177**	**25**	**29**	**892**	**1,017**
Delaware	542	954	-43.3	--	--	541	948	--	--	*	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	16,670	17,722	-5.9	15,673	16,602	929	1,022	--	--	68	98
Georgia	19,461	23,117	-15.8	19,228	22,860	--	--	--	--	233	257
Maryland	7,483	7,716	-3.0	--	--	7,414	7,645	--	--	68	71
North Carolina	20,485	23,354	-12.3	19,723	22,534	672	700	16	20	74	101
South Carolina	11,054	12,587	-12.2	10,881	12,439	85	69	--	--	87	80
Virginia	7,671	9,195	-16.6	6,537	7,773	878	1,117	NM	NM	246	295
West Virginia	25,347	27,990	-9.4	18,236	20,206	6,996	7,676	--	--	115	109
East South Central	**66,571**	**68,528**	**-2.9**	**65,166**	**66,916**	**837**	**1,008**	**NM**	**10**	**561**	**593**
Alabama	18,559	20,500	-9.5	18,385	20,327	53	40	--	--	120	134
Kentucky	30,581	29,953	2.1	30,581	29,953	--	--	--	--	--	--
Mississippi	2,860	3,839	-25.5	2,076	2,870	784	969	--	--	--	--
Tennessee	14,571	14,236	2.4	14,123	13,766	--	--	NM	10	440	460
West South Central	**77,732**	**69,933**	**11.2**	**42,010**	**39,749**	**34,306**	**29,018**	**--**	**--**	**1,416**	**1,166**
Arkansas	9,313	8,520	9.3	7,875	8,481	1,399	--	--	--	40	39
Louisiana	7,762	7,389	5.1	3,261	3,369	4,501	4,020	--	--	--	--
Oklahoma	11,355	10,001	13.5	10,692	9,240	506	595	--	--	158	166
Texas	49,302	44,022	12.0	20,182	18,659	27,900	24,403	--	--	1,219	961
Mountain	**62,597**	**66,089**	**-5.3**	**56,882**	**58,310**	**5,534**	**7,379**	**--**	**--**	**182**	**400**
Arizona	13,462	13,190	2.1	13,372	13,102	--	--	--	--	90	89
Colorado	11,529	11,015	4.7	11,477	10,957	52	58	--	--	--	--
Idaho	25	28	-10.7	--	--	--	--	--	--	25	28
Montana	4,819	6,518	-26.1	NM	112	4,722	6,406	--	--	--	--
Nevada	1,266	2,481	-49.0	833	1,944	432	537	--	--	--	--
New Mexico	9,013	6,838	31.8	9,013	6,838	--	--	--	--	--	--
Utah	9,890	11,659	-15.2	9,766	11,307	NM	NM	--	--	--	213
Wyoming	12,593	14,359	-12.3	12,323	14,050	203	239	--	--	67	70
Pacific Contiguous	**2,439**	**5,279**	**-53.8**	**992**	**1,559**	**1,319**	**3,582**	**--**	**--**	**129**	**138**
California	625	662	-5.5	--	--	507	540	--	--	119	121
Oregon	992	1,559	-36.4	992	1,559	--	--	--	--	--	--
Washington	822	3,058	-73.1	--	--	813	3,042	--	--	10	16
Pacific Noncontiguous	**706**	**713**	**-1.0**	**55**	**60**	**567**	**576**	**74**	**77**	**NM**	**--**
Alaska	197	208	-5.5	55	60	68	71	74	77	--	--
Hawaii	509	504	.9	--	--	499	504	--	--	NM	--
U.S. Total	**568,939**	**598,445**	**-4.9**	**426,753**	**447,230**	**136,236**	**144,957**	**350**	**391**	**5,600**	**5,867**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**22**	**26**	**-17.4**	**2**	**4**	**4**	**11**	**NM**	**NM**	**12**	**7**
Connecticut	-1	6	-110.6	NM	NM	-1	6	--	--	NM	NM
Maine	13	7	79.6	NM	NM	2	*	NM	NM	11	7
Massachusetts	7	9	-24.8	NM	1	NM	5	NM	NM	NM	NM
New Hampshire	NM	3	--	*	2	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	--	1	1	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**61**	**57**	**6.9**	**8**	**18**	**44**	**29**	**NM**	**2**	**9**	**8**
New Jersey	2	NM	--	NM	NM	1	1	NM	NM	NM	NM
New York	27	39	-30.5	8	18	10	11	NM	2	8	8
Pennsylvania	33	18	83.7	NM	NM	32	17	NM	NM	NM	NM
East North Central	**86**	**59**	**47.1**	**81**	**45**	**4**	**11**	**NM**	**1**	**NM**	**2**
Illinois	5	9	-49.1	1	2	3	7	NM	NM	NM	NM
Indiana	16	15	6.1	16	15	NM	NM	NM	NM	*	1
Michigan	35	16	125.2	35	14	NM	NM	*	1	*	1
Ohio	26	18	42.9	25	14	*	4	--	--	NM	NM
Wisconsin	4	1	650.4	4	*	NM	NM	--	--	NM	NM
West North Central	**26**	**21**	**21.7**	**25**	**21**	**NM**	*****	**NM**	**NM**	**NM**	**NM**
Iowa	9	6	38.6	9	6	NM	*	NM	NM	NM	NM
Kansas	3	3	-2.2	3	3	--	--	--	--	--	--
Minnesota	NM	3	--	3	2	NM	NM	NM	NM	NM	NM
Missouri	4	5	-35.7	3	5	--	--	NM	NM	NM	NM
Nebraska	4	1	308.8	4	1	--	--	--	--	--	--
North Dakota	NM	3	--	NM	3	--	--	NM	NM	NM	NM
South Dakota	NM	1	--	NM	1	NM	NM	NM	NM	--	--
South Atlantic	**453**	**260**	**73.9**	**419**	**231**	**15**	**17**	**NM**	**NM**	**18**	**13**
Delaware	3	NM	--	NM	NM	3	1	--	--	--	NM
District of Columbia	--	1	--	--	--	--	1	--	--	--	--
Florida	379	191	98.4	374	185	1	2	--	--	4	NM
Georgia	13	12	6.5	6	8	NM	*	NM	NM	7	4
Maryland	10	8	15.2	NM	NM	9	8	NM	NM	*	*
North Carolina	20	12	68.3	17	10	NM	NM	NM	NM	NM	NM
South Carolina	9	10	-7.6	8	9	--	--	NM	NM	1	1
Virginia	12	16	-24.1	6	8	2	4	*	*	3	3
West Virginia	7	9	-24.4	7	9	--	--	--	--	--	--
East South Central	**44**	**31**	**44.5**	**39**	**26**	*****	**NM**	**--**	**--**	**5**	**NM**
Alabama	15	11	36.1	10	7	*	NM	--	--	NM	NM
Kentucky	10	10	5.3	10	10	--	--	--	--	--	--
Mississippi	2	2	29.4	2	1	--	--	--	--	*	1
Tennessee	17	8	107.1	17	8	--	--	--	--	NM	NM
West South Central	**19**	**19**	**-.6**	**8**	**5**	**6**	**8**	**NM**	**NM**	**5**	**NM**
Arkansas	5	2	170.3	3	2	2	--	--	--	NM	NM
Louisiana	3	1	237.9	2	NM	1	*	--	--	*	1
Oklahoma	2	NM	--	2	NM	--	--	NM	NM	NM	NM
Texas	8	16	-47.9	1	3	3	8	NM	NM	NM	NM
Mountain	**25**	**26**	**-3.2**	**20**	**24**	**5**	**2**	**NM**	**NM**	**NM**	**NM**
Arizona	5	14	-63.1	5	14	--	--	NM	NM	NM	NM
Colorado	NM	1	--	NM	1	3	NM	--	--	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	NM	1	--	NM	NM	NM	1	--	--	NM	NM
Nevada	*	*	--	*	NM	*	*	--	--	--	--
New Mexico	NM	3	--	NM	3	--	--	--	--	NM	NM
Utah	4	4	-.3	4	4	--	--	--	--	--	--
Wyoming	NM	3	--	NM	3	--	--	--	--	NM	NM
Pacific Contiguous	**NM**	**6**	**--**	**3**	**3**	**NM**	**2**	**NM**	**NM**	**NM**	**1**
California	NM	3	--	2	3	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	--	*	*	--	--	--	--	NM	NM
Washington	NM	2	--	NM	NM	--	1	NM	NM	NM	1
Pacific Noncontiguous	**590**	**675**	**-12.5**	**430**	**526**	**136**	**142**	**NM**	**NM**	**NM**	**6**
Alaska	60	66	-9.7	56	63	--	--	NM	NM	3	2
Hawaii	531	609	-12.8	374	463	136	142	*	*	NM	4
U.S. Total	**1,331**	**1,180**	**12.8**	**1,034**	**902**	**214**	**222**	**6**	**8**	**77**	**48**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**323**	**171**	**88.9**	**69**	**24**	**186**	**92**	**19**	**16**	**48**	**38**
Connecticut	55	35	56.2	NM	1	53	33	--	--	NM	NM
Maine	103	57	81.0	NM	NM	57	20	NM	NM	45	35
Massachusetts	114	57	100.9	25	7	75	39	12	10	NM	NM
New Hampshire	47	19	153.4	40	13	NM	NM	NM	NM	NM	NM
Rhode Island	4	NM	--	3	2	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**543**	**571**	**-4.8**	**162**	**211**	**334**	**314**	**2**	**9**	**44**	**38**
New Jersey	34	61	-44.8	NM	NM	32	60	NM	NM	NM	NM
New York	371	366	1.5	162	210	165	112	2	8	42	36
Pennsylvania	139	144	-3.8	NM	NM	136	141	NM	NM	NM	NM
East North Central	**272**	**250**	**8.7**	**240**	**193**	**24**	**48**	**2**	**3**	**6**	**6**
Illinois	25	35	-28.8	8	9	17	26	*	NM	NM	NM
Indiana	59	54	8.6	54	52	NM	NM	NM	NM	3	2
Michigan	68	61	11.2	67	56	NM	NM	*	3	*	2
Ohio	111	90	24.2	104	68	6	20	--	--	NM	NM
Wisconsin	9	10	-12.7	7	8	NM	1	--	--	NM	NM
West North Central	**99**	**98**	**1.4**	**95**	**93**	**1**	**1**	**NM**	**1**	**NM**	**NM**
Iowa	20	25	-19.5	20	24	NM	*	NM	NM	NM	NM
Kansas	14	14	3.2	14	14	--	--	--	--	--	--
Minnesota	11	12	-9.3	9	9	*	1	NM	NM	NM	NM
Missouri	27	21	28.4	27	21	--	--	NM	NM	NM	NM
Nebraska	12	9	27.4	12	9	--	--	--	--	--	--
North Dakota	12	15	-19.7	11	14	--	--	NM	NM	NM	NM
South Dakota	NM	1	--	NM	1	NM	NM	NM	NM	--	--
South Atlantic	**1,197**	**2,464**	**-51.4**	**1,001**	**2,036**	**124**	**331**	**2**	**NM**	**70**	**96**
Delaware	17	18	-2.8	NM	NM	17	18	--	--	*	NM
District of Columbia	2	3	-37.7	--	--	2	3	--	--	--	--
Florida	714	1,861	-61.6	693	1,696	4	141	--	--	16	NM
Georgia	58	74	-20.7	25	38	3	14	1	1	30	21
Maryland	52	60	-13.0	1	1	50	58	NM	NM	1	1
North Carolina	92	122	-24.5	83	102	NM	NM	NM	NM	NM	NM
South Carolina	44	56	-21.3	39	51	--	--	NM	NM	5	5
Virginia	140	222	-36.8	93	99	37	96	1	*	9	27
West Virginia	77	49	55.3	66	49	10	--	--	--	--	--
East South Central	**186**	**166**	**11.7**	**165**	**121**	**4**	**12**	**--**	**--**	**NM**	**NM**
Alabama	54	77	-30.1	34	37	4	12	--	--	NM	NM
Kentucky	44	35	26.0	44	35	--	--	--	--	--	--
Mississippi	25	NM	--	24	NM	--	--	--	--	1	3
Tennessee	62	48	29.0	62	46	--	--	--	--	NM	3
West South Central	**135**	**175**	**-22.9**	**74**	**105**	**50**	**42**	**NM**	**NM**	**NM**	**28**
Arkansas	24	21	14.3	13	20	10	--	--	--	NM	NM
Louisiana	16	66	-76.3	10	57	5	4	--	--	1	4
Oklahoma	6	NM	--	6	2	--	--	NM	NM	NM	NM
Texas	89	85	5.0	45	25	35	38	NM	NM	NM	NM
Mountain	**78**	**80**	**-2.4**	**69**	**74**	**8**	**5**	**NM**	**NM**	**NM**	**NM**
Arizona	19	31	-39.3	18	31	--	--	NM	NM	NM	NM
Colorado	NM	4	--	NM	4	3	NM	*	--	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	4	5	-12.1	NM	NM	4	4	--	--	NM	NM
Nevada	3	3	-14.2	2	2	1	1	--	--	--	--
New Mexico	12	14	-19.6	12	14	--	--	--	--	NM	NM
Utah	14	12	10.1	14	12	--	--	--	--	--	--
Wyoming	20	10	101.2	20	10	--	--	--	--	NM	NM
Pacific Contiguous	**30**	**30**	**.0**	**17**	**16**	**4**	**5**	**NM**	**NM**	**9**	**9**
California	13	15	-13.5	11	13	NM	1	NM	NM	NM	*
Oregon	4	1	221.1	2	*	--	--	--	--	NM	NM
Washington	13	NM	--	NM	NM	3	4	NM	NM	6	7
Pacific Noncontiguous	**2,721**	**2,778**	**-2.1**	**2,164**	**2,301**	**505**	**440**	**NM**	**3**	**NM**	**34**
Alaska	312	322	-3.0	297	309	--	--	NM	2	12	10
Hawaii	2,409	2,456	-1.9	1,867	1,992	505	440	*	*	NM	24
U.S. Total	**5,583**	**6,783**	**-17.7**	**4,057**	**5,174**	**1,240**	**1,290**	**31**	**34**	**255**	**284**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**87**	**--**	**--**	**--**	**NM**	**78**	**--**	**--**	**NM**	**NM**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	71	--	--	--	NM	71	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	**158**	**152**	**3.8**	**28**	**27**	**104**	**93**	**--**	**--**	**NM**	**NM**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	6	3	--	--	NM	NM
Ohio	103	92	11.5	--	--	98	90	--	--	NM	NM
Wisconsin	44	46	-5.2	26	25	--	--	--	--	18	21
West North Central	**2**	**13**	**-88.1**	**2**	**13**	**--**	**--**	**--**	**1**	**--**	**--**
Iowa	*	5	--	*	4	--	--	--	1	--	--
Kansas	2	6	-72.6	2	6	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	3	--	--	3	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**42**	**312**	**-86.6**	**2**	**268**	**--**	**--**	**--**	**--**	**39**	**44**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2	268	-99.1	2	268	--	--	--	--	--	--
Georgia	39	44	-10.9	--	--	--	--	--	--	39	44
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**109**	**186**	**-41.2**	**109**	**186**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	109	186	-41.2	109	186	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**394**	**218**	**80.8**	**364**	**181**	**7**	**--**	**--**	**--**	**NM**	**NM**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	378	209	81.4	364	181	--	--	--	--	NM	NM
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	16	NM	--	--	--	7	--	--	--	9	NM
Mountain	**41**	**38**	**10.2**	**--**	**--**	**41**	**38**	**--**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	41	38	10.2	--	--	41	38	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**NM**	**NM**	**--**	**--**	**--**	**NM**	**NM**	**--**	**--**	**--**	**--**
California	NM	NM	--	--	--	NM	NM	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**822**	**1,066**	**-22.9**	**506**	**674**	**222**	**269**	**--**	**1**	**93**	**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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**268**	**256**	**4.5**	**--**	**--**	**233**	**217**	**--**	**--**	**NM**	**NM**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	193	186	3.9	--	--	193	186	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	**633**	**614**	**3.1**	**164**	**160**	**360**	**334**	**--**	**--**	**NM**	**120**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	23	23	--	--	NM	NM
Ohio	349	316	10.5	--	--	337	311	--	--	NM	NM
Wisconsin	224	230	-2.9	151	149	--	--	--	--	73	81
West North Central	**41**	**65**	**-37.1**	**39**	**63**	**--**	**--**	**2**	**3**	**--**	**--**
Iowa	32	31	2.5	30	28	--	--	2	3	--	--
Kansas	9	26	-65.0	9	26	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	8	--	--	8	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**724**	**1,393**	**-48.1**	**574**	**1,232**	**--**	**--**	**--**	**--**	**150**	**161**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	574	1,204	-52.4	574	1,204	--	--	--	--	--	--
Georgia	150	161	-7.0	--	--	--	--	--	--	150	161
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	28	--	--	28	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**562**	**683**	**-17.8**	**562**	**683**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	562	683	-17.8	562	683	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**1,891**	**1,106**	**71.0**	**1,650**	**787**	**106**	**160**	**--**	**--**	**NM**	**NM**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,745	906	92.5	1,650	787	--	--	--	--	NM	NM
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	146	199	-26.7	--	--	106	160	--	--	NM	NM
Mountain	**143**	**160**	**-10.3**	**--**	**--**	**143**	**160**	**--**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	143	160	-10.3	--	--	143	160	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**235**	**NM**	**--**	**--**	**--**	**235**	**NM**	**--**	**--**	**--**	**--**
California	235	NM	--	--	--	235	NM	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**4,495**	**4,513**	**-.4**	**2,989**	**2,925**	**1,076**	**1,106**	**2**	**3**	**428**	**479**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**4,997**	**3,381**	**47.8**	**22**	**8**	**4,799**	**3,142**	**40**	**39**	**136**	**192**
Connecticut	976	566	72.3	*	--	949	543	NM	NM	NM	NM
Maine	567	412	37.5	--	--	472	254	NM	NM	95	158
Massachusetts	2,369	1,752	35.3	22	8	2,300	1,700	31	31	NM	NM
New Hampshire	582	94	519.3	--	*	580	92	--	--	NM	NM
Rhode Island	504	557	-9.5	--	--	499	553	NM	NM	--	--
Vermont	*	*	--	*	*	--	--	--	--	--	--
Middle Atlantic	**8,539**	**7,096**	**20.3**	**796**	**938**	**7,602**	**6,025**	**40**	**41**	**101**	**92**
New Jersey	2,046	1,639	24.8	--	--	2,003	1,596	NM	NM	NM	37
New York	3,509	3,216	9.1	795	937	2,666	2,229	28	31	NM	NM
Pennsylvania	2,984	2,241	33.2	NM	NM	2,933	2,200	NM	NM	NM	37
East North Central	**2,599**	**1,430**	**81.7**	**864**	**226**	**1,595**	**1,080**	**50**	**41**	**90**	**82**
Illinois	331	164	101.6	NM	7	252	102	40	30	NM	NM
Indiana	798	216	269.9	595	64	164	110	NM	NM	NM	40
Michigan	626	546	14.7	58	35	555	502	NM	*	NM	9
Ohio	490	298	64.2	NM	15	470	281	--	--	NM	NM
Wisconsin	354	206	72.0	185	105	154	86	NM	9	NM	NM
West North Central	**538**	**355**	**51.6**	**413**	**306**	**107**	**28**	**NM**	**NM**	**NM**	**14**
Iowa	NM	31	--	NM	22	NM	--	NM	NM	NM	NM
Kansas	157	109	43.5	157	109	--	--	--	--	--	--
Minnesota	156	156	.3	103	121	44	24	NM	NM	NM	NM
Missouri	175	48	263.9	113	45	63	NM	*	*	NM	NM
Nebraska	NM	7	--	NM	7	NM	NM	NM	NM	--	--
North Dakota	NM	NM	--	NM	--	--	--	--	--	NM	NM
South Dakota	NM	NM	--	NM	NM	--	--	--	--	--	--
South Atlantic	**16,176**	**12,085**	**33.9**	**13,089**	**10,328**	**2,935**	**1,616**	**NM**	**NM**	**151**	**140**
Delaware	409	138	196.0	NM	NM	408	137	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	11,550	9,252	24.8	10,465	8,546	990	611	NM	NM	94	93
Georgia	2,052	1,205	70.3	1,043	769	967	401	--	--	41	34
Maryland	123	132	-6.5	--	--	118	127	NM	--	NM	NM
North Carolina	445	346	28.6	316	276	126	67	*	--	2	NM
South Carolina	960	510	88.3	894	434	65	75	--	NM	1	*
Virginia	632	498	26.8	369	301	258	193	--	--	NM	NM
West Virginia	NM	5	--	1	1	3	4	--	--	NM	NM
East South Central	**4,441**	**3,699**	**20.0**	**2,402**	**1,965**	**1,903**	**1,637**	**NM**	**NM**	**126**	**89**
Alabama	2,527	1,918	31.8	1,041	883	1,410	987	--	--	76	48
Kentucky	96	44	116.1	76	27	1	2	--	--	NM	NM
Mississippi	1,606	1,719	-6.5	1,089	1,045	492	648	NM	NM	24	24
Tennessee	211	18	NM	197	10	--	--	NM	NM	NM	NM
West South Central	**22,099**	**19,057**	**16.0**	**5,783**	**4,546**	**11,546**	**10,037**	**42**	**43**	**4,728**	**4,432**
Arkansas	736	431	70.6	139	NM	579	411	NM	NM	17	18
Louisiana	4,728	3,600	31.3	2,111	1,205	538	541	NM	NM	2,075	1,851
Oklahoma	1,966	2,018	-2.6	1,301	1,539	649	463	NM	NM	NM	NM
Texas	14,670	13,008	12.8	2,231	1,800	9,780	8,622	37	37	2,622	2,549
Mountain	**4,873**	**6,156**	**-20.8**	**2,729**	**2,712**	**2,051**	**3,349**	**NM**	**NM**	**82**	**83**
Arizona	1,437	2,106	-31.8	723	642	709	1,458	NM	NM	NM	NM
Colorado	849	825	3.0	289	110	558	713	--	--	NM	NM
Idaho	74	169	-56.2	NM	NM	58	158	--	--	6	3
Montana	NM	NM	--	NM	NM	NM	NM	--	--	NM	NM
Nevada	1,498	1,867	-19.8	1,064	1,154	408	687	--	--	NM	NM
New Mexico	599	631	-5.1	297	328	292	293	NM	NM	NM	NM
Utah	376	515	-27.1	341	467	NM	NM	NM	NM	NM	NM
Wyoming	36	38	-4.2	NM	NM	NM	NM	--	--	31	35
Pacific Contiguous	**5,665**	**10,670**	**-46.9**	**1,487**	**3,073**	**3,196**	**6,482**	**128**	**138**	**854**	**976**
California	5,165	8,118	-36.4	1,376	1,633	2,819	5,387	127	137	842	962
Oregon	365	1,377	-73.5	54	584	304	780	--	--	NM	12
Washington	136	1,174	-88.4	57	856	73	315	NM	NM	5	2
Pacific Noncontiguous	**292**	**312**	**-6.4**	**289**	**307**	**--**	**--**	**--**	**--**	**NM**	**NM**
Alaska	292	312	-6.4	289	307	--	--	--	--	NM	NM
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**70,218**	**64,240**	**9.3**	**27,874**	**24,409**	**35,734**	**33,395**	**326**	**331**	**6,284**	**6,105**

* = 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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**18,370**	**14,682**	**25.1**	**78**	**25**	**17,337**	**13,710**	**184**	**177**	**771**	**770**
Connecticut	4,069	2,805	45.1	1	*	3,965	2,720	NM	NM	89	72
Maine	1,919	2,002	-4.1	--	--	1,301	1,352	NM	NM	618	650
Massachusetts	7,662	6,660	15.0	56	12	7,397	6,457	152	150	NM	41
New Hampshire	2,261	1,003	125.5	20	11	2,233	984	--	--	NM	NM
Rhode Island	2,459	2,212	11.2	--	--	2,441	2,197	NM	NM	--	--
Vermont	1	1	-21.5	1	1	--	--	--	--	--	--
Middle Atlantic	**32,983**	**25,539**	**29.1**	**3,990**	**3,806**	**28,402**	**21,185**	**175**	**162**	**416**	**386**
New Jersey	7,332	6,369	15.1	--	--	7,148	6,188	NM	NM	157	156
New York	14,132	12,023	17.5	3,988	3,805	9,930	8,015	130	124	85	79
Pennsylvania	11,518	7,147	61.2	NM	NM	11,324	6,982	NM	NM	173	151
East North Central	**13,405**	**6,937**	**93.2**	**4,157**	**1,898**	**8,677**	**4,567**	**210**	**196**	**361**	**277**
Illinois	1,288	829	55.3	NM	30	992	590	157	145	115	65
Indiana	3,401	1,194	184.7	2,498	394	731	638	NM	NM	160	153
Michigan	3,641	2,293	58.8	170	202	3,430	2,059	6	5	NM	26
Ohio	3,367	811	315.4	714	58	2,639	746	--	--	NM	NM
Wisconsin	1,709	1,810	-5.6	750	1,214	884	534	NM	36	NM	26
West North Central	**2,683**	**2,537**	**5.7**	**2,274**	**2,188**	**322**	**261**	**NM**	**28**	**63**	**60**
Iowa	217	198	9.9	180	160	NM	NM	NM	NM	NM	35
Kansas	530	544	-2.5	530	544	--	--	--	--	--	--
Minnesota	746	806	-7.4	593	644	109	118	NM	26	NM	18
Missouri	1,094	930	17.6	881	787	213	143	*	*	NM	NM
Nebraska	61	42	45.5	60	42	NM	NM	NM	NM	--	--
North Dakota	NM	NM	--	NM	NM	--	--	--	--	NM	NM
South Dakota	NM	NM	--	NM	NM	--	--	--	--	--	--
South Atlantic	**57,505**	**49,135**	**17.0**	**46,015**	**40,652**	**10,863**	**7,871**	**NM**	**NM**	**617**	**605**
Delaware	1,009	437	130.7	NM	NM	1,004	435	--	--	*	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	39,366	35,455	11.0	36,372	32,636	2,583	2,420	NM	NM	402	391
Georgia	6,581	5,802	13.4	3,199	3,110	3,232	2,543	--	--	150	149
Maryland	330	406	-18.8	--	--	309	388	NM	--	NM	NM
North Carolina	2,101	1,656	26.9	1,341	1,308	747	342	*	*	NM	5
South Carolina	3,521	1,982	77.6	3,293	1,749	222	230	NM	NM	4	4
Virginia	4,572	3,376	35.4	1,800	1,839	2,747	1,499	--	--	NM	37
West Virginia	25	21	21.3	4	6	18	13	--	--	NM	NM
East South Central	**21,239**	**18,410**	**15.4**	**10,174**	**9,314**	**10,522**	**8,607**	**NM**	**35**	**506**	**454**
Alabama	12,454	9,576	30.0	4,187	4,158	7,958	5,155	--	--	309	263
Kentucky	317	327	-3.2	236	227	4	27	--	--	76	73
Mississippi	7,791	8,327	-6.4	5,127	4,783	2,559	3,425	NM	NM	98	111
Tennessee	678	179	277.9	625	145	--	--	NM	27	24	8
West South Central	**80,731**	**78,253**	**3.2**	**20,731**	**18,814**	**41,367**	**40,699**	**158**	**157**	**18,474**	**18,583**
Arkansas	3,365	2,603	29.3	428	230	2,852	2,278	NM	NM	85	95
Louisiana	17,125	13,892	23.3	6,692	3,929	2,550	2,230	NM	NM	7,869	7,718
Oklahoma	7,972	8,707	-8.4	5,762	6,889	2,143	1,752	NM	NM	56	57
Texas	52,269	53,052	-1.5	7,850	7,766	33,822	34,439	132	134	10,465	10,713
Mountain	**18,734**	**23,824**	**-21.4**	**10,277**	**11,224**	**8,060**	**12,232**	**43**	**47**	**354**	**321**
Arizona	4,869	6,408	-24.0	1,858	1,945	2,990	4,441	NM	23	NM	NM
Colorado	3,281	3,929	-16.5	1,497	1,182	1,777	2,741	*	*	NM	NM
Idaho	271	696	-61.1	NM	43	196	638	--	--	21	15
Montana	NM	NM	--	NM	NM	NM	NM	--	--	NM	NM
Nevada	6,038	7,603	-20.6	4,096	4,599	1,843	2,923	--	--	99	81
New Mexico	2,472	2,778	-11.0	1,305	1,427	1,129	1,318	NM	23	NM	NM
Utah	1,599	2,208	-27.6	1,444	2,002	108	149	NM	NM	46	55
Wyoming	181	175	3.4	NM	24	NM	NM	--	--	160	151
Pacific Contiguous	**28,427**	**45,045**	**-36.9**	**6,850**	**12,913**	**17,572**	**27,554**	**520**	**552**	**3,485**	**4,026**
California	25,379	35,441	-28.4	5,890	7,724	15,554	23,210	515	548	3,419	3,959
Oregon	2,137	6,088	-64.9	406	2,431	1,691	3,605	--	--	40	52
Washington	911	3,516	-74.1	554	2,758	326	739	NM	NM	26	14
Pacific Noncontiguous	**1,265**	**1,328**	**-4.7**	**1,250**	**1,307**	**--**	**--**	**--**	**--**	**NM**	**21**
Alaska	1,265	1,328	-4.7	1,250	1,307	--	--	--	--	NM	21
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**275,342**	**265,691**	**3.6**	**105,797**	**102,140**	**143,122**	**136,687**	**1,360**	**1,361**	**25,062**	**25,503**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	*	*	--	--	--	*	*	--	--	--	--
Connecticut	*	*	--	--	--	*	*	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	65	67	-3.4	--	--	*	*	--	--	64	67
New Jersey	NM	22	--	--	--	--	--	--	--	NM	22
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	51	45	14.7	--	--	*	*	--	--	51	44
East North Central	214	225	-5.0	*	--	36	22	--	--	177	203
Illinois	NM	NM	--	--	--	--	1	--	--	NM	NM
Indiana	161	196	-17.6	--	--	--	--	--	--	161	196
Michigan	27	21	32.3	--	--	27	21	--	--	--	--
Ohio	18	--	--	*	--	9	--	--	--	NM	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	NM	--	NM	NM	--	--	--	--	NM	NM
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	NM	--	NM	NM	--	--	--	--	--	--
Missouri	*	1	--	*	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	NM	--	--	--	--	--	--	--	NM	NM
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	2	38	-95.5	--	--	*	34	--	--	2	4
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1	1	6.1	--	--	*	*	--	--	1	1
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	34	--	--	--	--	34	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1	3	-66.8	--	--	--	--	--	--	1	3
East South Central	4	18	-80.1	*	*	--	--	--	--	3	17
Alabama	2	14	-85.2	--	--	--	--	--	--	2	14
Kentucky	*	*	--	*	*	--	--	--	--	--	--
Mississippi	*	NM	--	--	--	--	--	--	--	*	NM
Tennessee	1	1	11.3	--	--	--	--	--	--	1	1
West South Central	423	393	7.6	--	--	180	172	--	--	242	221
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	122	115	6.2	--	--	20	22	--	--	102	93
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	301	278	8.2	--	--	160	150	--	--	140	128
Mountain	26	30	-14.8	--	--	1	*	--	--	25	30
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	NM	--	--	--	*	*	--	--	NM	NM
Nevada	1	*	--	--	--	1	*	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	NM	--	--	--	--	--	--	--	NM	NM
Wyoming	23	27	-17.3	--	--	--	--	--	--	23	27
Pacific Contiguous	168	166	1.2	NM	4	24	23	--	--	143	138
California	144	143	1.1	NM	4	--	*	--	--	143	138
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	24	23	1.8	--	--	24	23	--	--	--	--
Pacific Noncontiguous	NM	NM	--	--	--	--	--	--	--	NM	NM
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	--	--	--	--	--	--	--	NM	NM
U.S. Total	908	947	-4.1	4	7	241	252	--	--	663	688

* = 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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**5**	*****	**--**	**--**	**--**	**5**	*****	**--**	**--**	**--**	**--**
Connecticut	5	*	--	--	--	5	*	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**255**	**264**	**-3.6**	**--**	**--**	*****	*****	**--**	**--**	**254**	**264**
New Jersey	62	83	-25.1	--	--	--	--	--	--	62	83
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	192	181	6.3	--	--	*	*	--	--	192	181
East North Central	**820**	**774**	**5.9**	*****	*****	**136**	**84**	**--**	**--**	**684**	**690**
Illinois	27	28	-2.9	--	--	--	1	--	--	27	26
Indiana	636	663	-4.1	--	--	--	--	--	--	636	663
Michigan	105	83	27.0	--	--	105	83	--	--	--	--
Ohio	52	*	--	*	*	31	--	--	--	21	--
Wisconsin	*	*	--	*	*	--	--	--	--	--	--
West North Central	**27**	**32**	**-15.4**	**NM**	**9**	**--**	**--**	**--**	**--**	**NM**	**22**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	NM	--	NM	NM	--	--	--	--	--	--
Missouri	2	2	-29.5	2	2	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	22	--	--	--	--	--	--	--	NM	22
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**13**	**144**	**-91.0**	**--**	**--**	*****	**130**	**--**	**--**	**13**	**15**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2	2	32.1	--	--	*	*	--	--	2	2
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	130	--	--	--	--	130	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	11	13	-16.9	--	--	--	--	--	--	11	13
East South Central	**37**	**71**	**-48.0**	**1**	**1**	**--**	**--**	**--**	**--**	**36**	**70**
Alabama	28	58	-52.3	--	--	--	--	--	--	28	58
Kentucky	1	1	5.4	1	1	--	--	--	--	--	--
Mississippi	4	7	-51.6	--	--	--	--	--	--	4	7
Tennessee	5	4	3.7	--	--	--	--	--	--	5	4
West South Central	**1,660**	**1,618**	**2.6**	**--**	**--**	**720**	**693**	**--**	**--**	**939**	**926**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	469	463	1.3	--	--	80	86	--	--	389	377
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	1,190	1,155	3.0	--	--	640	607	--	--	550	548
Mountain	**123**	**124**	**-1.3**	**--**	**--**	**2**	**1**	**--**	**--**	**121**	**123**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	NM	--	--	--	*	*	--	--	NM	NM
Nevada	2	1	68.4	--	--	2	1	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	9	--	--	--	--	--	--	--	NM	9
Wyoming	111	113	-1.6	--	--	--	--	--	--	111	113
Pacific Contiguous	**638**	**647**	**-1.3**	**NM**	**19**	**90**	**95**	**--**	**--**	**545**	**533**
California	548	552	-.8	NM	19	*	*	--	--	545	533
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	90	95	-4.5	--	--	90	95	--	--	--	--
Pacific Noncontiguous	**NM**	**8**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**NM**	**8**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	8	--	--	--	--	--	--	--	NM	8
U.S. Total	**3,583**	**3,682**	**-2.7**	**16**	**30**	**953**	**1,003**	**--**	**--**	**2,615**	**2,649**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**1,613**	**2,650**	**-39.1**	**--**	**--**	**1,613**	**2,650**	**--**	**--**	**--**	**--**
Connecticut	927	919	1.0	--	--	927	919	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	235	492	-52.2	--	--	235	492	--	--	--	--
New Hampshire	--	898	--	--	--	--	898	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	450	341	32.0	--	--	450	341	--	--	--	--
Middle Atlantic	**10,493**	**10,283**	**2.0**	**--**	**--**	**10,493**	**10,283**	**--**	**--**	**--**	**--**
New Jersey	2,206	2,175	1.4	--	--	2,206	2,175	--	--	--	--
New York	3,126	2,659	17.6	--	--	3,126	2,659	--	--	--	--
Pennsylvania	5,161	5,449	-5.3	--	--	5,161	5,449	--	--	--	--
East North Central	**12,098**	**12,228**	**-1.1**	**2,350**	**2,088**	**9,748**	**10,140**	**--**	**--**	**--**	**--**
Illinois	7,294	7,588	-3.9	--	--	7,294	7,588	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	2,936	2,650	10.8	2,350	2,088	586	562	--	--	--	--
Ohio	1,086	889	22.2	--	--	1,086	889	--	--	--	--
Wisconsin	781	1,100	-29.0	--	--	781	1,100	--	--	--	--
West North Central	**2,180**	**3,544**	**-38.5**	**1,738**	**3,179**	**442**	**365**	**--**	**--**	**--**	**--**
Iowa	442	365	21.1	--	--	442	365	--	--	--	--
Kansas	-6	857	-100.7	-6	857	--	--	--	--	--	--
Minnesota	756	989	-23.6	756	989	--	--	--	--	--	--
Missouri	883	464	90.2	883	464	--	--	--	--	--	--
Nebraska	106	868	-87.8	106	868	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**13,266**	**13,441**	**-1.3**	**12,001**	**12,183**	**1,265**	**1,258**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,103	1,537	-28.2	1,103	1,537	--	--	--	--	--	--
Georgia	2,105	2,393	-12.0	2,105	2,393	--	--	--	--	--	--
Maryland	1,265	1,258	.5	--	--	1,265	1,258	--	--	--	--
North Carolina	3,069	2,478	23.9	3,069	2,478	--	--	--	--	--	--
South Carolina	3,578	3,923	-8.8	3,578	3,923	--	--	--	--	--	--
Virginia	2,145	1,851	15.9	2,145	1,851	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**5,663**	**5,922**	**-4.4**	**5,663**	**5,922**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	3,124	2,811	11.1	3,124	2,811	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	861	641	34.3	861	641	--	--	--	--	--	--
Tennessee	1,679	2,470	-32.0	1,679	2,470	--	--	--	--	--	--
West South Central	**4,043**	**4,289**	**-5.8**	**2,020**	**2,319**	**2,022**	**1,970**	**--**	**--**	**--**	**--**
Arkansas	1,211	763	58.7	1,211	763	--	--	--	--	--	--
Louisiana	809	1,556	-48.0	809	1,556	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,022	1,970	2.7	--	--	2,022	1,970	--	--	--	--
Mountain	**1,930**	**1,973**	**-2.2**	**1,930**	**1,973**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	1,930	1,973	-2.2	1,930	1,973	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**3,261**	**3,282**	**-.6**	**3,261**	**3,282**	**--**	**--**	**--**	**--**	**--**	**--**
California	3,239	2,500	29.6	3,239	2,500	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	23	783	-97.1	23	783	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**54,547**	**57,611**	**-5.3**	**28,964**	**30,946**	**25,583**	**26,666**	**--**	**--**	**--**	**--**

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**11,575**	**12,487**	**-7.3**	**--**	**--**	**11,575**	**12,487**	**--**	**--**	**--**	**--**
Connecticut	5,490	5,250	4.6	--	--	5,490	5,250	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	1,621	1,967	-17.6	--	--	1,621	1,967	--	--	--	--
New Hampshire	2,665	3,590	-25.8	--	--	2,665	3,590	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	1,800	1,679	7.2	--	--	1,800	1,679	--	--	--	--
Middle Atlantic	**49,582**	**48,575**	**2.1**	**--**	**--**	**49,582**	**48,575**	**--**	**--**	**--**	**--**
New Jersey	11,183	11,002	1.6	--	--	11,183	11,002	--	--	--	--
New York	13,538	13,166	2.8	--	--	13,538	13,166	--	--	--	--
Pennsylvania	24,861	24,407	1.9	--	--	24,861	24,407	--	--	--	--
East North Central	**50,796**	**50,295**	**1.0**	**8,508**	**8,174**	**42,288**	**42,121**	**--**	**--**	**--**	**--**
Illinois	31,094	30,791	1.0	--	--	31,094	30,791	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	10,714	10,482	2.2	8,508	8,174	2,206	2,308	--	--	--	--
Ohio	5,554	4,853	14.4	--	--	5,554	4,853	--	--	--	--
Wisconsin	3,433	4,169	-17.7	--	--	3,433	4,169	--	--	--	--
West North Central	**13,985**	**16,235**	**-13.9**	**12,217**	**14,553**	**1,769**	**1,682**	**--**	**--**	**--**	**--**
Iowa	1,769	1,682	5.1	--	--	1,769	1,682	--	--	--	--
Kansas	2,173	3,198	-32.1	2,173	3,198	--	--	--	--	--	--
Minnesota	4,006	4,585	-12.6	4,006	4,585	--	--	--	--	--	--
Missouri	3,524	3,147	12.0	3,524	3,147	--	--	--	--	--	--
Nebraska	2,514	3,624	-30.6	2,514	3,624	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**59,896**	**61,325**	**-2.3**	**55,485**	**57,204**	**4,411**	**4,120**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	5,761	8,271	-30.3	5,761	8,271	--	--	--	--	--	--
Georgia	10,095	9,671	4.4	10,095	9,671	--	--	--	--	--	--
Maryland	4,411	4,120	7.1	--	--	4,411	4,120	--	--	--	--
North Carolina	12,283	12,103	1.5	12,283	12,103	--	--	--	--	--	--
South Carolina	17,774	18,100	-1.8	17,774	18,100	--	--	--	--	--	--
Virginia	9,573	9,060	5.7	9,573	9,060	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**25,657**	**25,584**	**.3**	**25,657**	**25,584**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	13,041	12,566	3.8	13,041	12,566	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	3,495	3,127	11.8	3,495	3,127	--	--	--	--	--	--
Tennessee	9,121	9,891	-7.8	9,121	9,891	--	--	--	--	--	--
West South Central	**22,012**	**23,106**	**-4.7**	**8,922**	**10,727**	**13,090**	**12,379**	**--**	**--**	**--**	**--**
Arkansas	4,386	4,513	-2.8	4,386	4,513	--	--	--	--	--	--
Louisiana	4,536	6,214	-27.0	4,536	6,214	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	13,090	12,379	5.7	--	--	13,090	12,379	--	--	--	--
Mountain	**10,344**	**10,099**	**2.4**	**10,344**	**10,099**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	10,344	10,099	2.4	10,344	10,099	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**13,893**	**12,354**	**12.5**	**13,893**	**12,354**	**--**	**--**	**--**	**--**	**--**	**--**
California	11,487	9,239	24.3	11,487	9,239	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	2,406	3,115	-22.8	2,406	3,115	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**257,741**	**260,061**	**-.9**	**135,026**	**138,696**	**122,715**	**121,364**	**--**	**--**	**--**	**--**

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**869**	**776**	**12.1**	**113**	**95**	**683**	**606**	**NM**	**NM**	**74**	**75**
Connecticut	46	NM	--	NM	NM	42	NM	--	--	--	--
Maine	360	351	2.4	--	--	290	280	--	--	70	72
Massachusetts	111	98	13.4	NM	NM	84	77	NM	NM	NM	NM
New Hampshire	219	184	19.0	40	36	178	148	--	--	NM	NM
Rhode Island	NM	NM	--	--	--	NM	NM	--	--	--	--
Vermont	133	106	25.4	44	36	87	69	--	--	NM	NM
Middle Atlantic	**2,592**	**2,277**	**13.8**	**1,991**	**1,787**	**594**	**484**	**NM**	**NM**	**NM**	**NM**
New Jersey	3	2	35.1	--	--	NM	NM	--	--	--	--
New York	2,217	2,038	8.8	1,752	1,665	458	366	NM	NM	NM	NM
Pennsylvania	372	237	57.1	239	121	133	116	--	--	--	--
East North Central	**390**	**273**	**43.0**	**345**	**245**	**29**	**NM**	*****	**NM**	**NM**	**NM**
Illinois	NM	NM	--	NM	NM	NM	NM	--	--	--	--
Indiana	NM	46	--	NM	46	--	--	--	--	--	--
Michigan	166	85	96.2	149	76	NM	NM	--	--	NM	NM
Ohio	NM	42	--	NM	42	--	--	--	--	--	--
Wisconsin	172	91	87.7	152	79	NM	NM	*	NM	NM	NM
West North Central	**1,075**	**634**	**69.6**	**1,040**	**614**	**NM**	**NM**	**--**	**--**	**NM**	**NM**
Iowa	106	55	92.1	105	55	NM	NM	--	--	--	--
Kansas	NM	NM	--	--	--	NM	NM	--	--	--	--
Minnesota	95	50	88.8	62	32	NM	NM	--	--	NM	NM
Missouri	115	167	-31.3	115	167	--	--	--	--	--	--
Nebraska	124	29	321.9	124	29	--	--	--	--	--	--
North Dakota	136	87	55.3	136	87	--	--	--	--	--	--
South Dakota	498	244	104.4	498	244	--	--	--	--	--	--
South Atlantic	**1,627**	**1,243**	**30.9**	**1,186**	**951**	**367**	**224**	**NM**	**NM**	**73**	**67**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	NM	--	NM	NM	--	--	--	--	--	--
Georgia	313	249	25.7	310	248	NM	NM	--	--	NM	NM
Maryland	321	189	69.7	--	--	321	189	--	--	--	--
North Carolina	447	343	30.3	443	339	NM	NM	NM	NM	NM	NM
South Carolina	233	179	29.6	227	175	NM	NM	NM	NM	--	--
Virginia	145	141	3.3	138	135	NM	NM	--	--	NM	NM
West Virginia	150	127	17.7	49	NM	30	23	--	--	71	65
East South Central	**2,751**	**1,271**	**116.5**	**2,750**	**1,270**	**NM**	**NM**	**--**	**--**	**--**	**--**
Alabama	1,411	632	123.3	1,411	632	--	--	--	--	--	--
Kentucky	331	196	68.8	330	195	NM	NM	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1,009	443	128.0	1,009	443	--	--	--	--	--	--
West South Central	**644**	**862**	**-25.3**	**524**	**741**	**120**	**121**	**--**	**--**	**--**	**--**
Arkansas	206	371	-44.4	201	367	NM	NM	--	--	--	--
Louisiana	111	115	-3.0	--	--	111	115	--	--	--	--
Oklahoma	234	296	-20.9	234	296	--	--	--	--	--	--
Texas	92	81	14.2	88	78	NM	NM	--	--	--	--
Mountain	**3,922**	**2,102**	**86.6**	**3,372**	**1,834**	**550**	**268**	**--**	**--**	**--**	**--**
Arizona	805	552	45.7	805	552	--	--	--	--	--	--
Colorado	231	136	69.3	211	126	NM	NM	--	--	--	--
Idaho	1,207	583	106.9	1,090	530	116	53	--	--	--	--
Montana	1,179	461	155.4	771	260	408	202	--	--	--	--
Nevada	209	216	-3.3	205	214	NM	NM	--	--	--	--
New Mexico	NM	NM	--	NM	NM	--	--	--	--	--	--
Utah	101	52	93.2	100	52	NM	NM	--	--	--	--
Wyoming	158	83	91.0	157	83	NM	--	--	--	--	--
Pacific Contiguous	**17,285**	**9,077**	**90.4**	**17,013**	**8,927**	**262**	**141**	**NM**	**10**	**NM**	**NM**
California	4,657	2,624	77.4	4,448	2,511	206	112	NM	NM	--	--
Oregon	3,940	2,020	95.0	3,910	2,002	30	18	--	--	--	--
Washington	8,687	4,432	96.0	8,655	4,414	NM	NM	7	8	NM	NM
Pacific Noncontiguous	**138**	**116**	**18.3**	**129**	**110**	**2**	**NM**	**--**	**--**	**NM**	**NM**
Alaska	126	108	16.6	126	108	--	--	--	--	--	--
Hawaii	NM	NM	--	NM	NM	2	NM	--	--	NM	NM
U.S. Total	**31,293**	**18,630**	**68.0**	**28,462**	**16,573**	**2,628**	**1,876**	**12**	**11**	**192**	**169**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**2,858**	**3,195**	**-10.6**	**385**	**412**	**2,245**	**2,491**	**NM**	**NM**	**226**	**291**
Connecticut	158	180	-12.2	NM	NM	145	166	--	--	--	--
Maine	1,293	1,462	-11.6	--	--	1,081	1,187	--	--	212	275
Massachusetts	376	432	-13.1	88	95	283	332	NM	NM	NM	NM
New Hampshire	566	602	-6.0	134	132	430	467	--	--	NM	NM
Rhode Island	NM	NM	--	--	--	NM	NM	--	--	--	--
Vermont	463	516	-10.3	150	170	305	338	--	--	NM	NM
Middle Atlantic	**9,510**	**9,883**	**-3.8**	**7,479**	**7,572**	**2,004**	**2,282**	**NM**	**NM**	**NM**	**27**
New Jersey	10	13	-23.3	--	--	NM	NM	--	--	--	--
New York	8,427	8,805	-4.3	6,856	7,053	1,544	1,723	NM	NM	NM	27
Pennsylvania	1,072	1,064	.8	623	519	449	545	--	--	--	--
East North Central	**1,525**	**1,075**	**42.0**	**1,352**	**965**	**101**	**62**	*****	**NM**	**72**	**47**
Illinois	41	36	16.4	NM	NM	27	18	--	--	--	--
Indiana	93	147	-36.7	93	147	--	--	--	--	--	--
Michigan	629	362	73.9	569	326	49	30	--	--	NM	NM
Ohio	121	146	-17.4	121	146	--	--	--	--	--	--
Wisconsin	641	384	66.9	555	329	NM	NM	*	NM	61	41
West North Central	**3,949**	**2,847**	**38.7**	**3,814**	**2,763**	**76**	**47**	**--**	**--**	**59**	**37**
Iowa	443	249	78.0	439	247	NM	NM	--	--	--	--
Kansas	NM	NM	--	--	--	NM	NM	--	--	--	--
Minnesota	369	216	70.3	241	139	68	40	--	--	59	37
Missouri	433	712	-39.2	433	712	--	--	--	--	--	--
Nebraska	336	120	179.4	336	120	--	--	--	--	--	--
North Dakota	776	499	55.4	776	499	--	--	--	--	--	--
South Dakota	1,590	1,046	52.0	1,590	1,046	--	--	--	--	--	--
South Atlantic	**5,315**	**7,138**	**-25.5**	**3,966**	**5,849**	**1,083**	**1,003**	**NM**	**NM**	**262**	**280**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	66	77	-14.6	66	77	--	--	--	--	--	--
Georgia	1,090	1,479	-26.3	1,084	1,471	NM	NM	--	--	NM	NM
Maryland	880	789	11.6	--	--	880	789	--	--	--	--
North Carolina	1,553	2,220	-30.0	1,539	2,201	NM	NM	NM	NM	NM	NM
South Carolina	706	1,231	-42.6	688	1,208	NM	NM	NM	NM	--	--
Virginia	441	735	-40.0	415	704	NM	27	--	--	NM	NM
West Virginia	579	608	-4.9	174	187	150	151	--	--	255	270
East South Central	**9,104**	**9,042**	**.7**	**9,101**	**9,039**	**NM**	**NM**	**--**	**--**	**--**	**--**
Alabama	4,456	4,587	-2.8	4,456	4,587	--	--	--	--	--	--
Kentucky	1,084	1,089	-.5	1,081	1,086	NM	NM	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	3,563	3,366	5.9	3,563	3,366	--	--	--	--	--	--
West South Central	**2,166**	**4,124**	**-47.5**	**1,826**	**3,637**	**340**	**487**	**--**	**--**	**--**	**--**
Arkansas	795	1,826	-56.5	778	1,807	NM	NM	--	--	--	--
Louisiana	309	452	-31.5	--	--	309	452	--	--	--	--
Oklahoma	793	1,313	-39.6	793	1,313	--	--	--	--	--	--
Texas	269	533	-49.5	255	517	NM	NM	--	--	--	--
Mountain	**14,053**	**8,347**	**68.4**	**12,143**	**7,206**	**1,910**	**1,140**	**--**	**--**	**--**	**--**
Arizona	2,799	2,038	37.4	2,799	2,038	--	--	--	--	--	--
Colorado	860	569	51.0	785	526	74	44	--	--	--	--
Idaho	4,718	2,390	97.4	4,433	2,246	285	144	--	--	--	--
Montana	4,083	2,138	91.0	2,554	1,197	1,529	942	--	--	--	--
Nevada	746	735	1.5	730	726	NM	NM	--	--	--	--
New Mexico	123	71	72.0	123	71	--	--	--	--	--	--
Utah	380	222	71.2	376	220	NM	NM	--	--	--	--
Wyoming	345	183	88.5	342	183	NM	--	--	--	--	--
Pacific Contiguous	**63,696**	**35,826**	**77.8**	**62,815**	**35,372**	**842**	**431**	**39**	**23**	**NM**	**NM**
California	14,349	7,608	88.6	13,697	7,290	644	315	NM	NM	--	--
Oregon	16,397	9,482	72.9	16,284	9,409	113	73	--	--	--	--
Washington	32,950	18,736	75.9	32,834	18,673	85	43	31	19	NM	NM
Pacific Noncontiguous	**592**	**448**	**32.1**	**562**	**428**	**9**	**NM**	**--**	**--**	**NM**	**NM**
Alaska	549	421	30.3	549	421	--	--	--	--	--	--
Hawaii	44	27	59.7	NM	NM	9	NM	--	--	NM	NM
U.S. Total	**112,769**	**81,925**	**37.6**	**103,443**	**73,243**	**8,613**	**7,957**	**47**	**33**	**666**	**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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**557**	**636**	**-12.4**	**5**	**22**	**409**	**444**	**8**	**10**	**134**	**159**
Connecticut	69	69	.1	--	--	69	69	--	--	--	--
Maine	288	346	-16.8	--	--	146	177	8	10	134	159
Massachusetts	108	108	.0	NM	NM	106	106	NM	NM	--	--
New Hampshire	64	77	-16.4	1	10	63	67	--	--	NM	NM
Rhode Island	13	12	4.6	--	--	13	12	--	--	--	--
Vermont	NM	24	--	2	11	NM	13	--	--	--	--
Middle Atlantic	**970**	**869**	**11.7**	**NM**	**--**	**883**	**776**	**24**	**34**	**62**	**59**
New Jersey	76	81	-5.8	NM	--	69	67	6	13	--	--
New York	500	435	14.9	--	--	472	402	8	10	20	23
Pennsylvania	394	353	11.7	--	--	341	306	10	10	42	36
East North Central	**1,758**	**1,464**	**20.1**	**100**	**117**	**1,512**	**1,181**	**15**	**22**	**131**	**143**
Illinois	793	571	38.9	NM	NM	791	570	NM	NM	*	--
Indiana	454	341	33.0	22	22	429	316	NM	2	NM	2
Michigan	225	241	-6.6	NM	--	166	168	11	17	48	57
Ohio	56	57	-1.8	NM	NM	23	23	--	--	31	32
Wisconsin	230	254	-9.2	74	92	103	105	NM	4	50	53
West North Central	**3,141**	**2,526**	**24.4**	**940**	**692**	**2,158**	**1,793**	**NM**	**4**	**38**	**38**
Iowa	1,075	895	20.1	521	457	551	431	NM	2	1	4
Kansas	356	361	-1.4	92	83	264	279	--	--	--	--
Minnesota	754	684	10.2	163	82	553	570	NM	NM	36	32
Missouri	146	79	85.8	3	3	143	75	--	--	NM	NM
Nebraska	107	48	123.2	25	26	81	20	NM	NM	--	--
North Dakota	467	378	23.5	91	40	375	338	--	--	NM	NM
South Dakota	236	81	192.5	45	NM	191	80	--	--	--	--
South Atlantic	**1,312**	**1,263**	**3.9**	**88**	**82**	**482**	**415**	**23**	**23**	**719**	**743**
Delaware	12	11	15.3	--	--	12	11	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	377	363	4.0	11	12	203	194	NM	3	160	154
Georgia	234	261	-10.4	--	--	2	2	NM	2	230	257
Maryland	78	53	46.1	--	--	56	35	NM	4	18	14
North Carolina	164	153	7.3	NM	NM	53	42	--	--	110	110
South Carolina	149	150	-.7	35	34	2	2	--	--	112	114
Virginia	184	187	-1.5	41	37	39	43	16	14	89	94
West Virginia	114	86	32.9	--	--	114	86	--	--	--	--
East South Central	**509**	**484**	**5.0**	**9**	**9**	**33**	**29**	**--**	**--**	**467**	**447**
Alabama	256	248	3.4	--	NM	22	21	--	--	234	227
Kentucky	38	41	-7.4	9	8	--	--	--	--	29	32
Mississippi	128	115	11.1	*	--	--	--	--	--	128	115
Tennessee	87	81	7.3	NM	--	11	8	--	--	76	73
West South Central	**3,986**	**3,557**	**12.1**	**37**	**25**	**3,564**	**3,141**	**NM**	**3**	**382**	**387**
Arkansas	140	134	4.7	--	--	5	5	NM	NM	135	129
Louisiana	183	197	-7.1	--	--	6	6	--	--	177	191
Oklahoma	536	420	27.7	36	25	483	375	--	--	16	19
Texas	3,127	2,806	11.4	NM	NM	3,070	2,755	NM	3	54	49
Mountain	**1,796**	**1,374**	**30.7**	**255**	**187**	**1,502**	**1,145**	**NM**	**NM**	**39**	**42**
Arizona	52	27	95.5	4	3	49	23	NM	NM	--	--
Colorado	430	372	15.5	8	7	421	365	--	--	--	--
Idaho	185	88	110.3	--	--	153	54	--	--	31	34
Montana	120	112	6.8	8	8	104	96	--	--	8	8
Nevada	223	197	13.0	--	--	223	197	--	--	NM	NM
New Mexico	257	202	27.7	--	--	257	202	--	--	--	--
Utah	78	71	9.7	24	24	53	47	--	--	--	--
Wyoming	452	306	47.8	211	145	242	161	--	--	--	--
Pacific Contiguous	**3,987**	**3,583**	**11.3**	**562**	**545**	**3,235**	**2,783**	**34**	**43**	**155**	**212**
California	2,573	2,245	14.6	153	139	2,332	2,007	33	41	55	58
Oregon	582	569	2.4	74	72	473	444	NM	2	34	51
Washington	831	769	8.1	335	334	430	331	--	--	67	104
Pacific Noncontiguous	**186**	**61**	**203.2**	**128**	**NM**	**39**	**43**	**13**	**15**	**6**	**1**
Alaska	NM	NM	--	NM	NM	--	--	--	--	NM	NM
Hawaii	184	59	210.9	126	--	39	43	13	15	6	NM
U.S. Total	**18,202**	**15,817**	**15.1**	**2,124**	**1,681**	**13,818**	**11,750**	**125**	**155**	**2,135**	**2,232**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**2,703**	**2,783**	**-2.9**	**171**	**197**	**1,872**	**1,866**	**34**	**36**	**627**	**683**
Connecticut	230	248	-7.6	--	--	230	248	--	--	--	--
Maine	1,482	1,530	-3.1	--	--	823	813	33	35	626	682
Massachusetts	417	407	2.4	NM	NM	410	401	NM	NM	--	--
New Hampshire	374	396	-5.7	82	100	292	296	--	--	NM	NM
Rhode Island	46	45	1.6	--	--	46	45	--	--	--	--
Vermont	155	155	-.5	83	93	71	62	--	--	--	--
Middle Atlantic	**3,647**	**3,383**	**7.8**	**NM**	**--**	**3,277**	**3,004**	**121**	**131**	**248**	**249**
New Jersey	303	307	-1.4	NM	--	253	250	48	57	--	--
New York	1,849	1,634	13.1	--	--	1,734	1,511	36	38	79	85
Pennsylvania	1,495	1,442	3.7	--	--	1,290	1,243	36	35	169	164
East North Central	**6,316**	**4,859**	**30.0**	**381**	**367**	**5,351**	**3,873**	**45**	**56**	**539**	**563**
Illinois	2,670	1,773	50.6	NM	NM	2,666	1,769	NM	NM	*	--
Indiana	1,603	1,093	46.6	81	82	1,509	998	6	6	7	7
Michigan	909	941	-3.4	NM	--	664	678	26	36	219	227
Ohio	285	212	34.3	6	NM	156	79	--	--	123	128
Wisconsin	849	839	1.1	289	276	357	349	13	13	190	201
West North Central	**11,238**	**8,531**	**31.7**	**3,236**	**2,309**	**7,814**	**6,029**	**16**	**14**	**173**	**178**
Iowa	3,693	3,089	19.6	1,786	1,506	1,895	1,562	7	8	5	13
Kansas	1,281	1,152	11.2	340	278	941	874	--	--	--	--
Minnesota	2,909	2,406	20.9	594	276	2,148	1,969	NM	2	162	159
Missouri	464	252	84.3	12	12	450	238	--	--	NM	2
Nebraska	363	169	114.6	96	88	263	77	NM	4	--	--
North Dakota	1,864	1,257	48.3	270	148	1,591	1,106	--	--	NM	4
South Dakota	664	206	222.3	138	NM	525	204	--	--	--	--
South Atlantic	**4,917**	**4,942**	**-.5**	**337**	**278**	**1,877**	**1,636**	**92**	**82**	**2,611**	**2,947**
Delaware	42	40	4.7	--	--	42	40	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,362	1,459	-6.6	41	36	772	782	12	13	538	628
Georgia	930	1,024	-9.2	*	--	8	8	6	7	915	1,009
Maryland	285	178	60.2	--	--	217	113	14	15	53	51
North Carolina	606	625	-3.1	NM	NM	230	196	--	--	374	429
South Carolina	537	573	-6.4	135	122	8	8	--	--	394	444
Virginia	716	701	2.1	159	119	160	148	60	48	337	387
West Virginia	440	342	28.8	*	--	440	342	--	--	--	--
East South Central	**1,909**	**1,969**	**-3.1**	**32**	**32**	**78**	**103**	**--**	**--**	**1,800**	**1,834**
Alabama	924	1,014	-8.9	NM	NM	44	77	--	--	879	937
Kentucky	157	158	-.8	31	32	--	--	--	--	125	126
Mississippi	499	490	1.8	*	--	--	--	--	--	499	490
Tennessee	330	307	7.3	NM	--	33	26	--	--	296	281
West South Central	**13,609**	**11,839**	**15.0**	**127**	**102**	**12,031**	**10,260**	**11**	**12**	**1,440**	**1,466**
Arkansas	549	517	6.3	--	--	19	20	NM	NM	529	496
Louisiana	647	721	-10.2	--	--	23	23	--	--	624	697
Oklahoma	1,758	1,302	35.1	126	101	1,562	1,128	--	--	70	73
Texas	10,654	9,300	14.6	NM	NM	10,427	9,089	10	11	216	199
Mountain	**6,810**	**4,580**	**48.7**	**1,079**	**670**	**5,582**	**3,756**	**NM**	**NM**	**148**	**154**
Arizona	128	96	33.5	12	9	116	86	NM	NM	--	--
Colorado	1,574	1,166	35.0	32	22	1,541	1,143	--	--	--	--
Idaho	668	305	118.9	--	--	551	183	--	--	117	122
Montana	479	364	31.5	28	24	420	308	--	--	31	32
Nevada	846	736	15.0	--	--	846	735	--	--	NM	NM
New Mexico	836	626	33.5	--	--	836	626	--	--	--	--
Utah	322	243	32.2	108	96	214	147	--	--	--	--
Wyoming	1,957	1,043	87.6	899	517	1,057	526	--	--	--	--
Pacific Contiguous	**13,767**	**11,626**	**18.4**	**1,848**	**1,522**	**11,045**	**9,149**	**151**	**158**	**723**	**797**
California	9,268	8,221	12.7	562	501	8,336	7,338	145	152	224	229
Oregon	1,766	1,391	27.0	205	157	1,397	1,045	6	6	159	182
Washington	2,733	2,014	35.7	1,081	863	1,312	765	--	--	339	386
Pacific Noncontiguous	**414**	**221**	**87.1**	**153**	**NM**	**187**	**151**	**58**	**60**	**16**	**5**
Alaska	NM	NM	--	NM	NM	--	--	--	--	NM	2
Hawaii	407	214	89.9	148	--	187	151	58	60	14	3
U.S. Total	**65,331**	**54,734**	**19.4**	**7,366**	**5,482**	**49,114**	**39,827**	**528**	**550**	**8,323**	**8,875**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**-23**	**-33**	**28.9**	**--**	**--**	**-23**	**-33**	**--**	**--**	**--**	**--**
Connecticut	-1	1	-302.9	--	--	-1	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-22	-33	33.1	--	--	-22	-33	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**-94**	**-106**	**11.4**	**-55**	**-49**	**-39**	**-58**	**--**	**--**	**--**	**--**
New Jersey	-18	-10	-82.5	-18	-10	--	--	--	--	--	--
New York	-37	-39	4.8	-37	-39	--	--	--	--	--	--
Pennsylvania	-39	-58	32.0	--	--	-39	-58	--	--	--	--
East North Central	**-70**	**-77**	**9.2**	**-70**	**-77**	**--**	**--**	**--**	**--**	**--**	**--**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-70	-77	9.2	-70	-77	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	**23**	**73**	**-68.3**	**23**	**73**	**--**	**--**	**--**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	23	73	-68.3	23	73	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**-192**	**-136**	**-40.6**	**-192**	**-136**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-16	16	-204.3	-16	16	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-54	-57	6.0	-54	-57	--	--	--	--	--	--
Virginia	-121	-95	-28.1	-121	-95	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**-48**	**-39**	**-23.2**	**-48**	**-39**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-48	-39	-23.2	-48	-39	--	--	--	--	--	--
West South Central	**-11**	**-10**	**-7.8**	**-11**	**-10**	**--**	**--**	**--**	**--**	**--**	**--**
Arkansas	*	*	--	*	*	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-11	-10	-9.8	-11	-10	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	**-38**	**32**	**-218.5**	**-38**	**32**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	-9	40	-123.7	-9	40	--	--	--	--	--	--
Colorado	-28	-8	-250.5	-28	-8	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**-13**	**-6**	**-122.7**	**-13**	**-6**	**--**	**--**	**--**	**--**	**--**	**--**
California	-13	-7	-84.9	-13	-7	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	*	1	--	*	1	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**-467**	**-303**	**-53.9**	**-404**	**-213**	**-63**	**-91**	**--**	**--**	**--**	**--**

* = 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 and 2011 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 April 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**-139**	**-180**	**22.5**	**--**	**--**	**-139**	**-180**	**--**	**--**	**--**	**--**
Connecticut	-4	2	-332.7	--	--	-4	2	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-135	-182	25.8	--	--	-135	-182	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**-75**	**-449**	**83.2**	**-211**	**-203**	**136**	**-246**	**--**	**--**	**--**	**--**
New Jersey	-69	-49	-41.2	-69	-49	--	--	--	--	--	--
New York	-142	-154	7.7	-142	-154	--	--	--	--	--	--
Pennsylvania	136	-246	155.2	--	--	136	-246	--	--	--	--
East North Central	**-263**	**-337**	**21.9**	**-263**	**-337**	**--**	**--**	**--**	**--**	**--**	**--**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-263	-337	21.9	-263	-337	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	**122**	**233**	**-47.7**	**122**	**233**	**--**	**--**	**--**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	122	233	-47.7	122	233	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**-778**	**-381**	**-104.4**	**-778**	**-381**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-119	124	-196.3	-119	124	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-212	-210	-.9	-212	-210	--	--	--	--	--	--
Virginia	-447	-294	-51.9	-447	-294	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**-172**	**268**	**-164.4**	**-172**	**268**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-172	268	-164.4	-172	268	--	--	--	--	--	--
West South Central	**-44**	**-46**	**4.5**	**-44**	**-46**	**--**	**--**	**--**	**--**	**--**	**--**
Arkansas	*	*	--	*	*	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-44	-46	3.9	-44	-46	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	**-98**	**90**	**-208.6**	**-98**	**90**	**--**	**--**	**--**	**--**	**--**	**--**
Arizona	-22	117	-118.9	-22	117	--	--	--	--	--	--
Colorado	-76	-27	-178.4	-76	-27	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**-42**	**-183**	**77.2**	**-42**	**-183**	**--**	**--**	**--**	**--**	**--**	**--**
California	-93	-206	54.9	-93	-206	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	51	22	127.4	51	22	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**-1,490**	**-985**	**-51.3**	**-1,486**	**-559**	**-3**	**-426**	**--**	**--**	**--**	**--**

* = 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 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**166**	**163**	**2.0**	**--**	**--**	**156**	**150**	**7**	**NM**	**3**	**6**
Connecticut	64	60	5.8	--	--	62	59	--	--	NM	NM
Maine	29	31	-4.7	--	--	20	19	7	NM	2	5
Massachusetts	68	67	1.7	--	--	68	67	--	--	--	--
New Hampshire	5	5	1.7	--	--	5	5	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**178**	**186**	**-4.2**	**--**	**--**	**158**	**160**	**20**	**26**	**--**	**--**
New Jersey	35	39	-12.4	--	--	30	29	4	10	--	--
New York	73	75	-3.1	--	--	65	67	8	8	--	--
Pennsylvania	71	72	-1.0	--	--	63	64	8	8	--	--
East North Central	**66**	**83**	**-20.7**	**5**	**3**	**15**	**27**	**11**	**14**	**35**	**39**
Illinois	3	NM	--	--	--	NM	NM	--	--	1	1
Indiana	29	30	-1.2	--	--	--	--	NM	NM	28	29
Michigan	27	30	-12.7	3	1	13	14	9	13	2	2
Ohio	1	12	-90.9	--	--	--	11	--	--	1	1
Wisconsin	6	8	-27.1	2	2	--	--	--	--	3	6
West North Central	**28**	**28**	**.8**	**14**	**14**	**8**	**7**	**NM**	**NM**	**4**	**NM**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	27	26	1.4	13	12	8	7	NM	NM	4	NM
Missouri	2	2	-8.8	2	1	--	--	--	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**301**	**280**	**7.5**	**--**	**--**	**165**	**162**	**13**	**11**	**123**	**108**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	238	208	14.2	--	--	121	104	--	--	117	104
Georgia	1	NM	--	--	--	--	--	--	--	1	NM
Maryland	22	25	-11.4	--	--	22	25	NM	NM	--	--
North Carolina	NM	9	--	--	--	NM	9	--	--	--	--
South Carolina	5	4	39.0	--	--	--	--	--	--	5	4
Virginia	32	34	-6.0	--	--	19	23	13	10	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**3**	**2**	**25.7**	**2**	**1**	**--**	**--**	**--**	**--**	**NM**	**NM**
Alabama	*	*	--	--	--	--	--	--	--	*	*
Kentucky	2	1	70.5	2	1	--	--	--	--	--	--
Mississippi	NM	NM	--	--	--	--	--	--	--	NM	NM
Tennessee	*	*	--	--	--	--	--	--	--	*	*
West South Central	**64**	**78**	**-18.5**	**--**	**--**	**--**	**--**	**--**	**--**	**64**	**78**
Arkansas	2	2	-36.2	--	--	--	--	--	--	2	2
Louisiana	30	37	-18.7	--	--	--	--	--	--	30	37
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	32	39	-17.3	--	--	--	--	--	--	32	39
Mountain	**42**	**36**	**14.2**	**--**	**--**	**27**	**20**	**--**	**--**	**14**	**17**
Arizona	1	1	-55.3	--	--	1	1	--	--	--	--
Colorado	NM	NM	--	--	--	--	--	--	--	NM	NM
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	27	18	45.0	--	--	27	18	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	12	14	-18.6	--	--	NM	NM	--	--	11	14
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**55**	**59**	**-7.0**	**--**	**--**	**28**	**26**	**--**	**--**	**26**	**32**
California	46	50	-9.4	--	--	19	18	--	--	26	32
Oregon	3	3	18.3	--	--	3	3	--	--	--	--
Washington	6	6	2.6	--	--	6	6	--	--	--	--
Pacific Noncontiguous	**11**	**12**	**-10.5**	**--**	**--**	**--**	**--**	**11**	**12**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	11	12	-10.5	--	--	--	--	11	12	--	--
U.S. Total	**912**	**927**	**-1.6**	**21**	**18**	**557**	**552**	**64**	**71**	**270**	**286**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**609**	**606**	**.6**	**--**	**--**	**560**	**560**	**30**	**25**	**20**	**20**
Connecticut	211	228	-7.3	--	--	207	224	--	--	NM	NM
Maine	131	113	15.8	--	--	85	71	30	25	15	16
Massachusetts	248	245	1.1	--	--	248	245	--	--	--	--
New Hampshire	19	20	-1.5	--	--	19	20	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**675**	**693**	**-2.6**	**--**	**--**	**577**	**591**	**98**	**101**	**--**	**--**
New Jersey	153	159	-4.0	--	--	116	115	37	44	--	--
New York	272	274	-.7	--	--	239	244	33	30	--	--
Pennsylvania	250	260	-3.7	--	--	222	232	28	28	--	--
East North Central	**212**	**269**	**-21.2**	**17**	**15**	**63**	**97**	**27**	**32**	**106**	**125**
Illinois	11	13	-19.6	--	--	8	9	--	--	3	4
Indiana	85	99	-14.1	--	--	--	--	5	NM	80	94
Michigan	93	102	-9.0	7	9	55	60	21	27	9	6
Ohio	4	31	-86.4	--	--	--	27	--	--	4	4
Wisconsin	19	23	-17.2	10	6	--	--	--	--	10	17
West North Central	**105**	**107**	**-1.7**	**54**	**54**	**28**	**29**	**8**	**9**	**16**	**16**
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	98	100	-1.7	47	48	28	29	7	8	16	16
Missouri	7	7	-1.8	6	6	--	--	*	1	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**1,117**	**1,079**	**3.5**	**--**	**--**	**604**	**601**	**50**	**37**	**463**	**441**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	878	840	4.5	--	--	435	424	--	--	442	415
Georgia	4	9	-50.6	--	--	--	--	--	--	4	9
Maryland	82	80	2.9	--	--	82	80	NM	NM	--	--
North Carolina	7	19	-65.7	--	--	7	19	--	--	--	--
South Carolina	16	16	-.2	--	--	--	--	--	--	16	16
Virginia	130	115	13.0	--	--	80	78	50	37	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**9**	**7**	**25.2**	**6**	**2**	**--**	**--**	**--**	**--**	**3**	**6**
Alabama	*	2	--	--	--	--	--	--	--	*	2
Kentucky	6	2	257.1	6	2	--	--	--	--	--	--
Mississippi	NM	NM	--	--	--	--	--	--	--	NM	NM
Tennessee	1	1	-20.1	--	--	--	--	--	--	1	1
West South Central	**230**	**276**	**-16.8**	**5**	**12**	**--**	**--**	**--**	**--**	**225**	**265**
Arkansas	8	11	-29.2	--	--	--	--	--	--	8	11
Louisiana	99	123	-19.5	--	--	--	--	--	--	99	123
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	123	142	-13.5	5	12	--	--	--	--	118	131
Mountain	**184**	**130**	**41.7**	**--**	**--**	**112**	**67**	**--**	**--**	**72**	**63**
Arizona	2	5	-59.6	--	--	2	5	--	--	--	--
Colorado	12	11	14.7	--	--	--	--	--	--	12	11
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	108	60	79.2	--	--	108	60	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	61	54	14.3	--	--	NM	NM	--	--	60	52
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**221**	**223**	**-1.1**	**--**	**--**	**99**	**104**	**--**	**--**	**122**	**119**
California	186	190	-2.4	--	--	64	71	--	--	122	119
Oregon	14	12	20.4	--	--	14	12	--	--	--	--
Washington	21	21	-1.7	--	--	21	21	--	--	--	--
Pacific Noncontiguous	**45**	**47**	**-3.7**	**--**	**--**	**--**	**--**	**45**	**47**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	45	47	-3.7	--	--	--	--	45	47	--	--
U.S. Total	**3,408**	**3,437**	**-.9**	**81**	**82**	**2,043**	**2,049**	**258**	**252**	**1,026**	**1,054**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**75**	**43**	**77.4**	**NM**	**NM**	**73**	**40**	**NM**	**NM**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	64	33	96.2	--	--	64	33	--	--	--	--
Massachusetts	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
New Hampshire	7	7	7.2	--	--	7	7	--	--	--	--
Rhode Island	NM	--	--	--	--	NM	--	--	--	--	--
Vermont	1	1	-6.3	1	1	--	--	--	--	--	--
Middle Atlantic	**546**	**412**	**32.6**	**--**	**--**	**546**	**412**	**--**	**--**	**--**	**--**
New Jersey	NM	NM	--	--	--	NM	NM	--	--	--	--
New York	332	243	36.4	--	--	332	243	--	--	--	--
Pennsylvania	212	166	27.4	--	--	212	166	--	--	--	--
East North Central	**1,328**	**992**	**33.9**	**63**	**73**	**1,265**	**919**	**--**	**--**	**--**	**--**
Illinois	725	502	44.5	NM	NM	723	500	--	--	--	--
Indiana	429	316	35.8	--	--	429	316	--	--	--	--
Michigan	48	36	32.2	--	--	48	36	--	--	--	--
Ohio	NM	NM	--	NM	NM	--	--	--	--	--	--
Wisconsin	125	137	-8.5	60	70	65	67	--	--	--	--
West North Central	**2,992**	**2,355**	**27.0**	**908**	**643**	**2,083**	**1,712**	**NM**	**--**	**--**	**--**
Iowa	1,062	878	20.9	518	455	543	423	--	--	--	--
Kansas	356	361	-1.4	92	83	264	279	--	--	--	--
Minnesota	628	541	16.1	140	43	487	498	NM	--	--	--
Missouri	143	75	89.9	--	--	143	75	--	--	--	--
Nebraska	101	42	140.6	21	22	81	20	--	--	--	--
North Dakota	466	377	23.5	91	40	375	338	--	--	--	--
South Dakota	236	81	192.5	45	NM	191	80	--	--	--	--
South Atlantic	**139**	**86**	**62.4**	**--**	**--**	**139**	**86**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	25	--	--	--	--	25	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	114	86	32.9	--	--	114	86	--	--	--	--
East South Central	**8**	**5**	**50.2**	**--**	**--**	**8**	**5**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	8	5	50.2	--	--	8	5	--	--	--	--
West South Central	**3,552**	**3,121**	**13.8**	**37**	**25**	**3,515**	**3,096**	**--**	**--**	**--**	**--**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	519	400	29.7	36	25	483	375	--	--	--	--
Texas	3,033	2,721	11.5	NM	NM	3,033	2,720	--	--	--	--
Mountain	**1,453**	**1,073**	**35.3**	**227**	**160**	**1,226**	**914**	**--**	**--**	**--**	**--**
Arizona	38	14	165.9	--	--	38	14	--	--	--	--
Colorado	416	364	14.2	8	7	407	357	--	--	--	--
Idaho	141	43	231.8	--	--	141	43	--	--	--	--
Montana	112	104	7.4	8	8	104	96	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	248	199	24.8	--	--	248	199	--	--	--	--
Utah	45	44	3.6	--	--	45	44	--	--	--	--
Wyoming	452	306	47.8	211	145	242	161	--	--	--	--
Pacific Contiguous	**2,207**	**1,725**	**28.0**	**437**	**423**	**1,770**	**1,301**	**--**	**--**	**--**	**--**
California	976	630	54.7	60	55	915	575	--	--	--	--
Oregon	519	486	6.8	69	67	450	419	--	--	--	--
Washington	713	608	17.2	308	301	405	307	--	--	--	--
Pacific Noncontiguous	**21**	**27**	**-20.7**	**NM**	**NM**	**20**	**25**	**--**	**--**	**--**	**--**
Alaska	NM	NM	--	NM	NM	--	--	--	--	--	--
Hawaii	20	25	-21.7	--	--	20	25	--	--	--	--
U.S. Total	**12,322**	**9,838**	**25.2**	**1,675**	**1,329**	**10,645**	**8,509**	**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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**364**	**184**	**98.0**	**10**	**10**	**354**	**174**	**NM**	**NM**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	309	151	104.8	--	--	309	151	--	--	--	--
Massachusetts	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
New Hampshire	26	21	19.5	--	--	26	21	--	--	--	--
Rhode Island	NM	--	--	--	--	NM	--	--	--	--	--
Vermont	13	5	143.2	4	5	9	--	--	--	--	--
Middle Atlantic	**1,965**	**1,642**	**19.7**	**--**	**--**	**1,965**	**1,642**	**--**	**--**	**--**	**--**
New Jersey	9	7	22.1	--	--	9	7	--	--	--	--
New York	1,173	926	26.7	--	--	1,173	926	--	--	--	--
Pennsylvania	783	709	10.5	--	--	783	709	--	--	--	--
East North Central	**4,590**	**3,051**	**50.4**	**220**	**204**	**4,370**	**2,847**	**--**	**--**	**--**	**--**
Illinois	2,420	1,518	59.4	NM	NM	2,416	1,514	--	--	--	--
Indiana	1,509	998	51.2	--	--	1,509	998	--	--	--	--
Michigan	154	128	20.1	--	--	154	128	--	--	--	--
Ohio	80	NM	--	6	NM	74	--	--	--	--	--
Wisconsin	426	401	6.3	210	195	216	206	--	--	--	--
West North Central	**10,599**	**7,847**	**35.1**	**3,080**	**2,125**	**7,516**	**5,722**	**NM**	**--**	**--**	**--**
Iowa	3,642	3,029	20.2	1,777	1,498	1,865	1,531	--	--	--	--
Kansas	1,281	1,152	11.2	340	278	941	874	--	--	--	--
Minnesota	2,359	1,821	29.6	475	127	1,881	1,693	NM	--	--	--
Missouri	450	238	89.2	--	--	450	238	--	--	--	--
Nebraska	343	148	131.6	81	72	262	76	--	--	--	--
North Dakota	1,861	1,253	48.5	270	148	1,591	1,106	--	--	--	--
South Dakota	664	206	222.3	138	NM	525	204	--	--	--	--
South Atlantic	**543**	**342**	**59.0**	**--**	**--**	**543**	**342**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	101	--	--	--	--	101	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	440	342	28.8	--	--	440	342	--	--	--	--
East South Central	**24**	**16**	**46.3**	**--**	**--**	**24**	**16**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	24	16	46.3	--	--	24	16	--	--	--	--
West South Central	**11,981**	**10,190**	**17.6**	**127**	**102**	**11,854**	**10,089**	**--**	**--**	**--**	**--**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	1,688	1,228	37.4	126	101	1,562	1,128	--	--	--	--
Texas	10,293	8,962	14.8	NM	NM	10,292	8,961	--	--	--	--
Mountain	**5,515**	**3,443**	**60.2**	**959**	**564**	**4,556**	**2,879**	**--**	**--**	**--**	**--**
Arizona	71	42	68.5	--	--	71	42	--	--	--	--
Colorado	1,539	1,141	34.9	32	22	1,507	1,118	--	--	--	--
Idaho	499	131	281.4	--	--	499	131	--	--	--	--
Montana	448	333	34.6	28	24	420	308	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	803	616	30.4	--	--	803	616	--	--	--	--
Utah	198	137	44.5	--	--	198	137	--	--	--	--
Wyoming	1,957	1,043	87.6	899	517	1,057	526	--	--	--	--
Pacific Contiguous	**6,295**	**4,185**	**50.4**	**1,373**	**1,017**	**4,922**	**3,168**	**--**	**--**	**--**	**--**
California	2,590	1,703	52.1	187	156	2,403	1,547	--	--	--	--
Oregon	1,486	1,085	37.0	185	137	1,301	947	--	--	--	--
Washington	2,219	1,397	58.9	1,002	723	1,218	674	--	--	--	--
Pacific Noncontiguous	**102**	**79**	**27.9**	**NM**	**NM**	**96**	**75**	**--**	**--**	**--**	**--**
Alaska	NM	NM	--	NM	NM	--	--	--	--	--	--
Hawaii	97	75	29.6	*	--	96	75	--	--	--	--
U.S. Total	**41,976**	**30,979**	**35.5**	**5,775**	**4,026**	**36,199**	**26,953**	**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 "*".)
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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**481**	**593**	**-19.0**	**2**	**19**	**336**	**404**	**8**	**10**	**134**	**159**
Connecticut	69	69	.1	--	--	69	69	--	--	--	--
Maine	224	313	-28.6	--	--	82	144	8	10	134	159
Massachusetts	105	106	-1.3	--	--	105	106	NM	NM	--	--
New Hampshire	57	70	-18.7	1	10	56	60	--	--	NM	NM
Rhode Island	12	12	1.0	--	--	12	12	--	--	--	--
Vermont	NM	23	--	1	9	NM	13	--	--	--	--
Middle Atlantic	**413**	**454**	**-9.0**	**--**	**--**	**327**	**360**	**24**	**34**	**61**	**59**
New Jersey	66	76	-13.2	--	--	60	62	6	13	--	--
New York	168	192	-12.4	--	--	140	158	8	10	20	23
Pennsylvania	179	186	-3.8	--	--	127	140	10	10	42	36
East North Central	**425**	**466**	**-9.0**	**36**	**44**	**242**	**257**	**15**	**22**	**131**	**143**
Illinois	66	67	-1.5	--	--	66	67	NM	NM	*	--
Indiana	25	26	-2.3	22	22	--	--	NM	2	NM	2
Michigan	177	205	-13.5	NM	--	118	131	11	17	48	57
Ohio	51	52	-1.5	--	--	20	20	--	--	31	32
Wisconsin	105	117	-10.0	14	22	38	38	NM	4	50	53
West North Central	**150**	**171**	**-12.4**	**33**	**49**	**75**	**81**	**NM**	**4**	**38**	**38**
Iowa	13	17	-20.7	2	2	8	8	NM	2	1	4
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	126	144	-12.1	23	39	67	72	NM	NM	36	32
Missouri	4	4	.4	3	3	--	--	--	--	NM	NM
Nebraska	5	6	-5.1	4	4	NM	NM	NM	NM	--	--
North Dakota	NM	NM	--	--	--	--	--	--	--	NM	NM
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**1,160**	**1,166**	**-.5**	**79**	**75**	**338**	**325**	**23**	**23**	**719**	**743**
Delaware	11	11	7.3	--	--	11	11	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	366	352	4.0	3	5	200	190	NM	3	160	154
Georgia	234	261	-10.4	--	--	2	2	NM	2	230	257
Maryland	53	53	-.4	--	--	31	35	NM	4	18	14
North Carolina	162	152	6.5	--	--	52	42	--	--	110	110
South Carolina	149	150	-.7	35	34	2	2	--	--	112	114
Virginia	184	187	-1.5	41	37	39	43	16	14	89	94
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**501**	**479**	**4.5**	**9**	**9**	**25**	**24**	**--**	**--**	**467**	**447**
Alabama	256	248	3.4	--	NM	22	21	--	--	234	227
Kentucky	38	41	-7.4	9	8	--	--	--	--	29	32
Mississippi	128	115	11.1	*	--	--	--	--	--	128	115
Tennessee	79	76	4.3	NM	--	3	3	--	--	76	73
West South Central	**431**	**436**	**-1.3**	**--**	**--**	**46**	**46**	**NM**	**3**	**382**	**387**
Arkansas	140	134	4.7	--	--	5	5	NM	NM	135	129
Louisiana	183	197	-7.1	--	--	6	6	--	--	177	191
Oklahoma	16	19	-15.5	--	--	--	--	--	--	16	19
Texas	91	86	6.0	--	--	35	34	NM	3	54	49
Mountain	**64**	**66**	**-3.3**	**2**	**NM**	**24**	**23**	**NM**	**NM**	**39**	**41**
Arizona	12	11	11.9	2	NM	10	9	NM	NM	--	--
Colorado	4	5	-12.3	--	--	4	5	--	--	--	--
Idaho	36	38	-5.4	--	--	5	4	--	--	31	34
Montana	8	8	-1.8	--	--	--	--	--	--	8	8
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	NM	3	--	--	--	NM	3	--	--	--	--
Utah	3	3	-3.4	--	--	3	3	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**641**	**737**	**-13.1**	**53**	**57**	**398**	**424**	**34**	**43**	**155**	**212**
California	459	493	-7.0	21	19	350	375	32	41	55	58
Oregon	63	83	-23.9	5	5	23	25	NM	2	34	51
Washington	118	161	-26.3	27	33	25	24	--	--	67	104
Pacific Noncontiguous	**146**	**24**	**509.0**	**126**	**--**	**--**	**8**	**13**	**15**	**6**	**1**
Alaska	NM	NM	--	--	--	--	--	--	--	NM	NM
Hawaii	145	23	521.2	126	--	--	8	13	15	6	NM
U.S. Total	**4,410**	**4,593**	**-4.0**	**340**	**255**	**1,812**	**1,952**	**123**	**154**	**2,134**	**2,232**

* = 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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**2,337**	**2,599**	**-10.1**	**160**	**187**	**1,516**	**1,692**	**34**	**36**	**627**	**683**
Connecticut	230	248	-7.6	--	--	230	248	--	--	--	--
Maine	1,173	1,379	-14.9	--	--	514	662	33	35	626	682
Massachusetts	400	401	-.2	--	--	399	400	NM	NM	--	--
New Hampshire	348	375	-7.1	82	100	266	274	--	--	NM	NM
Rhode Island	45	45	-.2	--	--	45	45	--	--	--	--
Vermont	141	150	-5.9	79	88	62	62	--	--	--	--
Middle Atlantic	**1,661**	**1,734**	**-4.2**	**--**	**--**	**1,294**	**1,355**	**121**	**131**	**247**	**249**
New Jersey	279	294	-5.1	--	--	231	237	48	57	--	--
New York	676	708	-4.5	--	--	561	585	36	38	79	85
Pennsylvania	706	732	-3.6	--	--	502	533	36	35	168	164
East North Central	**1,715**	**1,801**	**-4.8**	**160**	**163**	**971**	**1,019**	**45**	**56**	**539**	**563**
Illinois	245	251	-2.2	--	--	245	251	NM	NM	*	--
Indiana	93	95	-1.9	81	82	--	--	6	6	7	7
Michigan	755	813	-7.1	NM	--	510	550	26	36	219	227
Ohio	199	204	-2.4	--	--	76	76	--	--	123	128
Wisconsin	423	438	-3.6	79	81	141	143	13	13	190	201
West North Central	**639**	**684**	**-6.5**	**155**	**184**	**298**	**307**	**14**	**14**	**173**	**178**
Iowa	51	60	-14.4	9	9	30	31	7	8	5	13
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	550	585	-6.1	119	148	267	275	NM	2	162	159
Missouri	14	14	1.1	12	12	--	--	--	--	NM	2
Nebraska	21	21	-2.7	15	16	NM	NM	NM	4	--	--
North Dakota	NM	4	--	--	--	--	--	--	--	NM	4
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**4,336**	**4,577**	**-5.3**	**311**	**259**	**1,323**	**1,290**	**92**	**82**	**2,611**	**2,947**
Delaware	39	40	-1.6	--	--	39	40	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,330	1,437	-7.4	17	18	764	779	12	13	538	628
Georgia	930	1,024	-9.2	*	--	8	8	6	7	915	1,009
Maryland	183	178	3.2	--	--	116	113	14	15	53	51
North Carolina	601	623	-3.6	--	--	227	195	--	--	374	429
South Carolina	537	573	-6.4	135	122	8	8	--	--	394	444
Virginia	716	701	2.1	159	119	160	148	60	48	337	387
West Virginia	*	--	--	*	--	--	--	--	--	--	--
East South Central	**1,886**	**1,953**	**-3.5**	**32**	**32**	**54**	**87**	**--**	**--**	**1,800**	**1,834**
Alabama	924	1,014	-8.9	NM	NM	44	77	--	--	879	937
Kentucky	157	158	-.8	31	32	--	--	--	--	125	126
Mississippi	499	490	1.8	*	--	--	--	--	--	499	490
Tennessee	306	291	5.1	NM	--	10	10	--	--	296	281
West South Central	**1,621**	**1,648**	**-1.7**	**--**	**--**	**170**	**171**	**11**	**12**	**1,440**	**1,466**
Arkansas	549	517	6.3	--	--	19	20	NM	NM	529	496
Louisiana	647	721	-10.2	--	--	23	23	--	--	624	697
Oklahoma	70	73	-4.2	--	--	--	--	--	--	70	73
Texas	354	338	4.9	--	--	128	128	10	11	216	199
Mountain	**256**	**263**	**-2.7**	**6**	**6**	**101**	**103**	**NM**	**NM**	**148**	**154**
Arizona	50	50	1.6	6	6	43	43	NM	NM	--	--
Colorado	18	18	-2.6	NM	NM	17	18	--	--	--	--
Idaho	137	143	-4.2	--	--	20	21	--	--	117	122
Montana	31	32	-1.8	--	--	--	--	--	--	31	32
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	10	10	-5.4	--	--	10	10	--	--	--	--
Utah	10	10	-2.5	--	--	10	10	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**2,792**	**2,969**	**-6.0**	**180**	**230**	**1,739**	**1,784**	**150**	**158**	**723**	**797**
California	1,998	2,046	-2.4	81	70	1,549	1,595	144	152	224	229
Oregon	280	306	-8.5	20	20	95	98	6	6	159	182
Washington	514	617	-16.8	80	140	95	91	--	--	339	386
Pacific Noncontiguous	**235**	**94**	**151.1**	**148**	**--**	**14**	**28**	**58**	**60**	**16**	**5**
Alaska	NM	2	--	--	--	--	--	--	--	NM	2
Hawaii	233	91	154.8	148	--	14	28	58	60	14	3
U.S. Total	**17,478**	**18,323**	**-4.6**	**1,152**	**1,062**	**7,480**	**7,836**	**524**	**550**	**8,322**	**8,875**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Mountain	**229**	**210**	**9.2**	**24**	**24**	**205**	**186**	**--**	**--**	**--**	**--**
Idaho	8	8	1.9	--	--	8	8	--	--	--	--
Nevada	192	178	7.7	--	--	192	178	--	--	--	--
Utah	29	24	22.4	24	24	NM	--	--	--	--	--
Pacific Contiguous	**1,056**	**1,041**	**1.4**	**70**	**61**	**987**	**980**	**--**	**--**	**--**	**--**
California	1,056	1,041	1.4	70	61	987	980	--	--	--	--
Pacific Noncontiguous	**19**	**11**	**77.8**	**--**	**--**	**19**	**11**	**--**	**--**	**--**	**--**
Hawaii	19	11	77.8	--	--	19	11	--	--	--	--
U.S. Total	**1,304**	**1,262**	**3.4**	**94**	**85**	**1,210**	**1,176**	**--**	**--**	**--**	**--**

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 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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
Mountain	**919**	**821**	**12.0**	**108**	**96**	**811**	**725**	**--**	**--**	**--**	**--**
Idaho	32	31	3.5	--	--	32	31	--	--	--	--
Nevada	774	694	11.5	--	--	774	694	--	--	--	--
Utah	114	96	18.3	108	96	NM	--	--	--	--	--
Pacific Contiguous	**4,458**	**4,314**	**3.3**	**285**	**270**	**4,173**	**4,045**	**--**	**--**	**--**	**--**
California	4,458	4,314	3.3	285	270	4,173	4,045	--	--	--	--
Pacific Noncontiguous	**77**	**48**	**59.7**	**--**	**--**	**77**	**48**	**--**	**--**	**--**	**--**
Hawaii	77	48	59.7	--	--	77	48	--	--	--	--
U.S. Total	**5,454**	**5,184**	**5.2**	**393**	**366**	**5,061**	**4,818**	**--**	**--**	**--**	**--**

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 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 2010 and 2011 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, April 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**NM**	**NM**	**--**	**NM**	**--**	**NM**	**--**	**NM**	**NM**	**--**	**--**
Massachusetts	NM	NM	--	NM	--	NM	--	NM	NM	--	--
Middle Atlantic	**11**	**3**	**233.0**	**NM**	**--**	**10**	**3**	**NM**	**--**	**NM**	**--**
New Jersey	8	3	183.8	NM	--	7	3	NM	--	--	--
Pennsylvania	3	1	453.2	--	--	3	1	--	--	NM	--
East North Central	**5**	**5**	**-6.3**	**NM**	**NM**	**5**	**5**	**--**	**--**	**--**	**--**
Illinois	NM	2	--	--	--	NM	2	--	--	--	--
Ohio	3	3	-6.3	NM	NM	3	3	--	--	--	--
South Atlantic	**14**	**11**	**18.3**	**9**	**7**	**5**	**4**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
Florida	11	10	6.5	8	7	3	3	--	--	--	--
North Carolina	2	1	112.8	NM	NM	NM	1	--	--	--	--
West South Central	**3**	**--**	**--**	**--**	**--**	**3**	**--**	**--**	**--**	**--**	**--**
Texas	3	--	--	--	--	3	--	--	--	--	--
Mountain	**50**	**24**	**106.5**	**2**	**2**	**48**	**23**	**--**	**--**	**NM**	**NM**
Arizona	3	2	33.5	2	2	NM	NM	--	--	--	--
Colorado	10	3	195.4	--	--	10	3	--	--	--	--
Nevada	31	19	61.8	--	--	31	19	--	--	NM	NM
New Mexico	7	--	--	--	--	7	--	--	--	--	--
Pacific Contiguous	**82**	**80**	**3.1**	**NM**	**3**	**80**	**77**	**NM**	**--**	**--**	**--**
California	82	80	3.1	NM	3	80	77	NM	--	--	--
Pacific Noncontiguous	**NM**	**NM**	**--**	**--**	**--**	**NM**	**NM**	**--**	**--**	**--**	**--**
Hawaii	NM	NM	--	--	--	NM	NM	--	--	--	--
U.S. Total	**166**	**124**	**34.1**	**14**	**12**	**151**	**112**	**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 "*".)
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 2010 and 2011 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 April 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**NM**	**NM**	**--**	**NM**	**--**	**NM**	**--**	**NM**	**NM**	**--**	**--**
Massachusetts	NM	NM	--	NM	--	NM	--	NM	NM	--	--
Vermont	NM	--	--	--	--	NM	--	--	--	--	--
Middle Atlantic	**21**	**7**	**195.7**	**NM**	**--**	**18**	**7**	**NM**	**--**	**NM**	**--**
New Jersey	15	6	155.6	NM	--	13	6	NM	--	--	--
Pennsylvania	6	1	368.8	--	--	5	1	--	--	NM	--
East North Central	**11**	**7**	**52.1**	**NM**	**NM**	**11**	**7**	**--**	**--**	**--**	**--**
Illinois	5	4	7.8	--	--	5	4	--	--	--	--
Ohio	7	3	112.0	NM	NM	6	3	--	--	--	--
South Atlantic	**37**	**23**	**59.3**	**26**	**19**	**11**	**5**	**--**	**--**	**--**	**--**
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
Florida	32	22	47.2	24	18	8	3	--	--	--	--
North Carolina	5	2	174.8	NM	NM	3	1	--	--	--	--
West South Central	**7**	**--**	**--**	**--**	**--**	**7**	**--**	**--**	**--**	**--**	**--**
Texas	7	--	--	--	--	7	--	--	--	--	--
Mountain	**120**	**53**	**126.9**	**6**	**4**	**114**	**49**	**--**	**--**	**NM**	**NM**
Arizona	7	4	57.0	6	4	NM	NM	--	--	--	--
Colorado	17	7	154.6	--	--	17	7	--	--	--	--
Nevada	73	42	74.0	--	--	72	41	--	--	NM	NM
New Mexico	23	--	--	--	--	23	--	--	--	--	--
Pacific Contiguous	**222**	**157**	**40.8**	**10**	**5**	**211**	**152**	**NM**	**--**	**--**	**--**
California	222	157	40.8	10	5	211	152	NM	--	--	--
Pacific Noncontiguous	**NM**	**NM**	**--**	**--**	**--**	**NM**	**NM**	**--**	**--**	**--**	**--**
Hawaii	NM	NM	--	--	--	NM	NM	--	--	--	--
U.S. Total	**422**	**249**	**69.5**	**45**	**28**	**374**	**220**	**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 2010 and 2011 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, 1997 through April 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	88,662	64,687	23,208	27	739
Total	**979,555**	**721,490**	**249,832**	**322**	**7,911**
2011					
January	90,223	66,126	23,315	30	752
February	73,570	54,427	18,464	29	650
March	72,330	54,020	17,664	27	618
April	66,844	49,328	17,056	22	437
Total	**302,966**	**223,901**	**76,498**	**109**	**2,457**
Year-to-Date					
2009	304,094	223,588	78,943	107	1,455
2010	314,407	232,793	79,073	113	2,428
2011	302,966	223,901	76,498	109	2,457
Rolling 12 Months Ending in April					
2010	944,996	704,820	234,207	323	5,647
2011	968,114	712,598	247,257	318	7,940

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 and 2011 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, 1997 through April 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	1,945	--	381	142	1,421
Total	**21,400**	**--**	**4,266**	**1,465**	**15,670**
2011					
January	1,985	--	399	154	1,432
February	1,774	--	362	142	1,270
March	1,761	--	330	130	1,300
April	1,672	--	345	106	1,222
Total	**7,192**	**--**	**1,436**	**532**	**5,224**
Year-to-Date					
2009	7,133	--	1,434	577	5,121
2010	7,262	--	1,421	533	5,308
2011	7,192	--	1,436	532	5,224
Rolling 12 Months Ending in April					
2010	20,636	--	3,922	1,437	15,278
2011	21,330	--	4,281	1,464	15,585

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 and 2011 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, 1997 through April 2011

(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	90,607	64,687	23,589	169	2,161
Total	**1,000,956**	**721,490**	**254,098**	**1,787**	**23,581**
2011					
January	92,207	66,126	23,713	184	2,184
February	75,344	54,427	18,826	171	1,919
March	74,090	54,020	17,994	158	1,918
April	68,516	49,328	17,400	128	1,659
Total	**310,158**	**223,901**	**77,934**	**642**	**7,681**
Year-to-Date					
2009	311,226	223,588	80,377	685	6,577
2010	321,669	232,793	80,494	646	7,736
2011	310,158	223,901	77,934	642	7,681
Rolling 12 Months Ending in April					
2010	965,633	704,820	238,128	1,759	20,925
2011	989,445	712,598	251,538	1,783	23,526

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 and 2011 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, 1997 through April 2011
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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	3,543	2,335	1,022	12	175
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	**43,562**	**31,847**	**9,880**	**184**	**1,652**
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
December	4,202	3,184	907	11	100
Total	**40,041**	**30,806**	**8,167**	**149**	**918**
2011					
January	3,212	2,154	974	11	72
February	2,005	1,558	383	8	56
March	2,101	1,701	337	7	55
April	2,211	1,839	292	7	74
Total	**9,529**	**7,251**	**1,987**	**34**	**257**
Year-to-Date					
2009	18,449	11,436	6,142	99	773
2010	11,685	9,259	2,093	43	290
2011	9,529	7,251	1,987	34	257
Rolling 12 Months Ending in April					
2010	36,796	29,670	5,831	128	1,167
2011	37,885	28,798	8,061	140	886

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 and 2011 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, 1997 through April 2011
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**7,533**	**--**	**1,311**	**461**	**5,762**
2009					
January	1,153	--	213	117	823
February	828	--	116	42	669
March	730	--	106	19	605
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	452
October	508	--	109	7	392
November	525	--	99	18	408
December	650	--	103	30	517
Total	**8,128**	**--**	**1,301**	**293**	**6,534**
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
December	607	--	101	27	479
Total	**5,865**	**--**	**1,128**	**248**	**4,490**
2011					
January	507	--	120	27	360
February	347	--	75	13	258
March	346	--	77	17	252
April	401	--	86	13	302
Total	**1,600**	**--**	**358**	**70**	**1,173**
Year-to-Date					
2009	3,338	--	538	191	2,609
2010	1,807	--	322	65	1,419
2011	1,600	--	358	70	1,173
Rolling 12 Months Ending in April					
2010	6,599	--	1,085	168	5,346
2011	5,659	--	1,163	252	4,243

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 and 2011 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, 1997 through April 2011

(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	4,809	3,184	1,008	38	579
Total	**45,906**	**30,806**	**9,295**	**397**	**5,408**
2011					
January	3,719	2,154	1,094	39	432
February	2,352	1,558	459	22	314
March	2,446	1,701	414	24	307
April	2,612	1,839	378	19	376
Total	**11,130**	**7,251**	**2,345**	**104**	**1,430**
Year-to-Date					
2009	21,787	11,436	6,679	290	3,381
2010	13,491	9,259	2,415	108	1,709
2011	11,130	7,251	2,345	104	1,430
Rolling 12 Months Ending in April					
2010	43,395	29,670	6,916	296	6,513
2011	43,544	28,798	9,225	393	5,129

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 and 2011 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, 1997 through April 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	406	275	103	*	27
Total	**4,956**	**3,330**	**1,310**	**2**	**315**
2011					
January	524	394	100	*	30
February	387	260	104	*	22
March	460	306	131	*	23
April	301	196	86	--	19
Total	**1,672**	**1,156**	**421**	**1**	**94**
Year-to-Date					
2009	1,722	1,072	547	*	103
2010	1,664	1,102	456	1	105
2011	1,672	1,156	421	1	94
Rolling 12 Months Ending in April					
2010	4,763	2,791	1,634	1	337
2011	4,964	3,384	1,275	1	305

* = 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 and 2011 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, 1997 through April 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	65	--	11	2	53
Total	**747**	**--**	**119**	**11**	**617**
2011					
January	57	--	7	1	49
February	75	--	10	1	64
March	78	--	12	1	64
April	82	--	10	--	72
Total	**292**	**--**	**39**	**4**	**249**
Year-to-Date					
2009	314	--	42	3	268
2010	288	--	49	4	235
2011	292	--	39	4	249
Rolling 12 Months Ending in April					
2010	981	--	132	9	840
2011	750	--	108	10	632

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 and 2011 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;" 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.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1997 through April 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	470	275	114	2	79
Total	**5,703**	**3,330**	**1,428**	**12**	**933**
2011					
January	581	394	107	1	79
February	462	260	115	1	86
March	538	306	143	1	88
April	383	196	95	--	91
Total	**1,964**	**1,156**	**460**	**4**	**344**
Year-to-Date					
2009	2,036	1,072	589	3	372
2010	1,953	1,102	505	5	340
2011	1,964	1,156	460	4	344
Rolling 12 Months Ending in April					
2010	5,744	2,791	1,766	10	1,177
2011	5,714	3,384	1,383	11	936

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 and 2011 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, 1997 through April 2011
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**6,895,843**	**2,730,134**	**3,612,197**	**33,403**	**520,109**
2009					
January	504,728	197,397	262,573	2,895	41,863
February	470,035	188,726	240,488	2,672	38,149
March	518,595	216,765	257,925	2,752	41,153
April	468,256	188,630	239,017	2,575	38,034
May	533,170	221,387	269,991	2,517	39,276
June	664,674	282,521	336,070	2,780	43,303
July	802,024	329,356	421,170	3,188	48,309
August	864,501	346,858	464,687	3,358	49,598
September	713,414	291,103	372,510	3,051	46,749
October	558,901	229,615	282,576	2,852	43,858
November	478,878	197,075	236,559	2,585	42,660
December	543,893	221,847	272,147	3,053	46,846
Total	**7,121,069**	**2,911,279**	**3,655,712**	**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
December	585,587	246,289	288,311	3,156	47,831
Total	**7,633,469**	**3,208,806**	**3,847,046**	**35,611**	**542,006**
2011					
January	561,746	229,301	283,055	3,123	46,267
February	502,903	199,649	257,097	2,758	43,398
March	501,248	207,925	247,497	2,653	43,174
April	543,954	232,855	265,170	2,661	43,269
Total	**2,109,851**	**869,730**	**1,052,819**	**11,194**	**176,108**
Year-to-Date					
2009	1,961,614	791,518	1,000,002	10,894	159,200
2010	2,026,435	843,029	997,088	11,025	175,292
2011	2,109,851	869,730	1,052,819	11,194	176,108
Rolling 12 Months Ending in April					
2010	7,185,499	2,962,791	3,652,407	34,410	535,891
2011	7,716,885	3,235,507	3,902,777	35,779	542,822

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 and 2011 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, 1997 through April 2011
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**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
December	74,562	--	27,881	3,907	42,774
Total	**826,876**	**--**	**321,851**	**39,768**	**465,257**
2011					
January	80,540	--	34,748	3,650	42,142
February	63,835	--	25,810	3,007	35,017
March	68,038	--	26,299	2,967	38,773
April	65,827	--	25,872	2,846	37,109
Total	**278,240**	**--**	**112,729**	**12,470**	**153,041**
Year-to-Date					
2009	258,827	--	100,451	13,038	145,338
2010	273,037	--	104,592	13,476	154,969
2011	278,240	--	112,729	12,470	153,041
Rolling 12 Months Ending in April					
2010	830,998	--	309,683	41,713	479,601
2011	832,078	--	329,987	38,762	463,329

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 and 2011 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, 1997 through April 2011

(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	**7,689,380**	**2,730,134**	**3,938,245**	**66,216**	**954,785**
2009					
January	574,902	197,397	290,029	6,577	80,899
February	530,596	188,726	264,746	5,809	71,315
March	584,375	216,765	282,913	6,100	78,597
April	530,567	188,630	262,765	5,446	73,726
May	597,481	221,387	294,089	5,325	76,680
June	730,805	282,521	360,276	5,861	82,147
July	874,289	329,356	448,661	7,041	89,231
August	939,889	346,858	493,460	7,453	92,118
September	785,321	291,103	398,908	7,005	88,304
October	628,224	229,615	307,398	6,251	84,961
November	543,685	197,075	260,010	5,932	80,668
December	617,722	221,847	297,999	6,754	91,121
Total	**7,937,856**	**2,911,279**	**3,961,254**	**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
December	660,149	246,289	316,192	7,063	90,605
Total	**8,460,344**	**3,208,806**	**4,168,897**	**75,379**	**1,007,263**
2011					
January	642,286	229,301	317,803	6,773	88,409
February	566,738	199,649	282,908	5,765	78,416
March	569,287	207,925	273,796	5,619	81,946
April	609,781	232,855	291,041	5,507	80,378
Total	**2,388,091**	**869,730**	**1,165,548**	**23,664**	**329,149**
Year-to-Date					
2009	2,220,440	791,518	1,100,453	23,932	304,537
2010	2,299,472	843,029	1,101,680	24,501	330,261
2011	2,388,091	869,730	1,165,548	23,664	329,149
Rolling 12 Months Ending in April					
2010	8,016,497	2,962,791	3,962,091	76,124	1,015,492
2011	8,548,963	3,235,507	4,232,764	74,541	1,006,151

Notes: • See Glossary for definitions. • Values for 2009 and prior years are final. Values for 2010 and 2011 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, April 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**270**	**458**	**-41.0**	**72**	**86**	**198**	**371**	**--**	**--**	**NM**	**1**
Connecticut	--	64	--	--	--	--	64	--	--	--	--
Maine	1	1	-32.7	--	--	*	1	--	--	*	*
Massachusetts	198	307	-35.5	--	--	198	307	--	--	NM	NM
New Hampshire	72	86	-16.9	72	86	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,679**	**3,871**	**-5.0**	**NM**	**NM**	**3,620**	**3,813**	**NM**	**NM**	**58**	**57**
New Jersey	118	210	-43.8	NM	NM	117	210	--	--	--	--
New York	290	237	22.1	--	--	282	231	--	--	7	6
Pennsylvania	3,271	3,423	-4.4	--	--	3,221	3,372	NM	NM	50	51
East North Central	**14,745**	**15,242**	**-3.3**	**10,304**	**10,674**	**4,350**	**4,477**	**8**	**8**	**83**	**83**
Illinois	3,730	3,615	3.2	401	418	3,275	3,144	*	*	54	53
Indiana	3,346	3,592	-6.9	3,029	3,297	314	292	2	2	NM	1
Michigan	2,480	2,627	-5.6	2,452	2,606	19	11	5	6	5	5
Ohio	3,533	3,560	-.7	2,786	2,526	741	1,028	--	--	6	6
Wisconsin	1,656	1,848	-10.4	1,636	1,827	NM	NM	NM	*	18	18
West North Central	**10,773**	**10,625**	**1.4**	**10,689**	**10,536**	**1**	**2**	**5**	**6**	**78**	**81**
Iowa	1,877	1,818	3.3	1,831	1,773	--	--	3	4	44	41
Kansas	1,554	1,474	5.4	1,554	1,474	--	--	--	--	--	--
Minnesota	1,130	1,283	-12.0	1,104	1,253	1	2	--	--	25	28
Missouri	3,178	3,218	-1.3	3,173	3,213	--	--	2	2	3	3
Nebraska	1,302	970	34.2	1,301	969	--	--	--	--	NM	1
North Dakota	1,570	1,690	-7.1	1,563	1,682	--	--	--	--	7	8
South Dakota	163	172	-5.4	163	172	--	--	--	--	--	--
South Atlantic	**10,557**	**10,980**	**-3.9**	**8,892**	**9,395**	**1,617**	**1,532**	**2**	**1**	**47**	**51**
Delaware	60	36	64.8	--	--	60	36	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,866	1,505	24.0	1,738	1,419	125	82	--	--	4	5
Georgia	2,195	2,660	-17.5	2,183	2,644	--	--	--	--	12	16
Maryland	555	504	10.1	--	--	549	500	--	--	6	4
North Carolina	1,807	1,897	-4.7	1,731	1,834	72	58	*	--	4	5
South Carolina	1,017	977	4.1	1,000	970	NM	3	--	--	7	5
Virginia	631	689	-8.5	553	623	65	53	NM	NM	12	12
West Virginia	2,426	2,710	-10.5	1,687	1,905	736	801	--	--	3	4
East South Central	**7,043**	**6,884**	**2.3**	**6,719**	**6,732**	**293**	**121**	**NM**	**NM**	**31**	**30**
Alabama	1,820	2,288	-20.5	1,806	2,276	4	5	--	--	10	7
Kentucky	3,103	2,874	8.0	3,103	2,874	--	--	--	--	--	--
Mississippi	532	397	33.9	244	281	288	116	--	--	--	--
Tennessee	1,589	1,324	20.0	1,567	1,301	--	--	NM	NM	22	23
West South Central	**12,387**	**9,852**	**25.7**	**5,982**	**5,191**	**6,286**	**4,623**	**--**	**--**	**119**	**39**
Arkansas	929	1,264	-26.5	763	1,261	164	--	--	--	2	2
Louisiana	1,222	791	54.6	494	229	728	562	--	--	--	--
Oklahoma	1,549	1,183	31.0	1,452	1,092	80	77	--	--	17	14
Texas	8,687	6,615	31.3	3,274	2,609	5,313	3,984	--	--	101	22
Mountain	**7,163**	**8,432**	**-15.1**	**6,592**	**7,226**	**560**	**1,138**	**--**	**--**	**11**	**68**
Arizona	1,658	1,604	3.4	1,651	1,599	--	--	--	--	7	5
Colorado	1,114	1,359	-18.0	1,111	1,356	4	4	--	--	--	--
Idaho	NM	1	--	--	--	--	--	--	--	NM	1
Montana	462	1,017	-54.5	NM	NM	443	993	--	--	--	--
Nevada	121	257	-52.7	64	185	57	72	--	--	--	--
New Mexico	1,193	934	27.7	1,193	934	--	--	--	--	--	--
Utah	1,012	1,362	-25.7	986	1,270	NM	NM	--	--	--	58
Wyoming	1,601	1,897	-15.6	1,568	1,859	NM	NM	--	--	3	3
Pacific Contiguous	**122**	**657**	**-81.5**	**63**	**206**	**52**	**444**	**--**	**--**	**6**	**7**
California	58	67	-13.1	--	--	52	61	--	--	6	6
Oregon	63	206	-69.3	63	206	--	--	--	--	--	--
Washington	*	385	--	--	--	--	384	--	--	*	1
Pacific Noncontiguous	**105**	**89**	**18.1**	**15**	**6**	**80**	**75**	**8**	**7**	**NM**	**--**
Alaska	38	30	25.6	15	6	16	17	8	7	--	--
Hawaii	67	59	14.1	--	--	64	59	--	--	NM	--
U.S. Total	**66,844**	**67,090**	**-.4**	**49,328**	**50,054**	**17,056**	**16,597**	**22**	**22**	**437**	**417**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**1,660**	**2,255**	**-26.4**	**456**	**475**	**1,201**	**1,773**	**--**	**--**	**4**	**7**
Connecticut	147	396	-63.0	--	--	147	396	--	--	--	--
Maine	6	10	-44.0	--	--	3	5	--	--	2	5
Massachusetts	1,052	1,374	-23.4	--	--	1,051	1,372	--	--	1	2
New Hampshire	456	475	-4.0	456	475	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**17,776**	**19,632**	**-9.5**	**NM**	**NM**	**17,544**	**19,382**	**1**	**1**	**223**	**244**
New Jersey	650	1,063	-38.9	NM	NM	641	1,058	--	--	--	--
New York	1,808	1,975	-8.4	--	--	1,782	1,949	1	1	26	25
Pennsylvania	15,318	16,594	-7.7	--	--	15,121	16,375	NM	*	196	219
East North Central	**68,572**	**72,579**	**-5.5**	**47,639**	**50,960**	**20,534**	**21,205**	**40**	**41**	**358**	**373**
Illinois	17,594	18,399	-4.4	2,139	2,312	15,228	15,857	5	4	222	225
Indiana	16,329	17,856	-8.5	14,878	16,452	1,435	1,388	13	13	4	4
Michigan	10,295	11,510	-10.6	10,163	11,381	80	73	21	22	32	35
Ohio	16,655	17,197	-3.1	12,850	13,292	3,781	3,875	--	--	24	30
Wisconsin	7,699	7,618	1.1	7,610	7,523	11	13	2	2	76	79
West North Central	**48,289**	**48,768**	**-1.0**	**47,905**	**48,353**	**10**	**9**	**24**	**30**	**350**	**376**
Iowa	7,549	8,387	-10.0	7,350	8,181	--	--	15	19	184	186
Kansas	6,164	6,820	-9.6	6,164	6,820	--	--	--	--	--	--
Minnesota	5,804	5,811	-.1	5,677	5,669	10	9	--	--	116	133
Missouri	15,237	14,007	8.8	15,216	13,980	--	--	9	11	12	16
Nebraska	4,923	4,840	1.7	4,919	4,836	--	--	--	--	4	4
North Dakota	7,862	8,090	-2.8	7,828	8,053	--	--	--	--	34	37
South Dakota	750	814	-7.8	750	814	--	--	--	--	--	--
South Atlantic	**46,512**	**51,957**	**-10.5**	**38,901**	**43,720**	**7,395**	**7,998**	**9**	**9**	**207**	**230**
Delaware	260	455	-42.8	--	--	260	454	--	--	*	1
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	7,123	7,448	-4.4	6,736	7,027	370	401	--	--	17	20
Georgia	9,405	10,864	-13.4	9,352	10,805	--	--	--	--	53	60
Maryland	3,119	3,155	-1.1	--	--	3,102	3,138	--	--	17	17
North Carolina	8,349	9,573	-12.8	8,052	9,266	277	281	5	5	15	21
South Carolina	4,506	5,057	-10.9	4,436	4,998	41	33	--	--	28	26
Virginia	3,168	3,732	-15.1	2,766	3,223	348	446	NM	4	49	58
West Virginia	10,582	11,672	-9.3	7,558	8,401	2,997	3,245	--	--	27	25
East South Central	**31,968**	**32,887**	**-2.8**	**30,972**	**31,663**	**867**	**1,092**	**2**	**2**	**127**	**129**
Alabama	9,134	9,992	-8.6	9,070	9,934	23	18	--	--	41	40
Kentucky	13,888	13,797	.7	13,888	13,797	--	--	--	--	--	--
Mississippi	1,857	2,457	-24.4	1,013	1,383	844	1,074	--	--	--	--
Tennessee	7,089	6,641	6.7	7,000	6,549	--	--	2	2	87	90
West South Central	**51,801**	**46,272**	**12.0**	**26,384**	**25,093**	**24,308**	**20,304**	**--**	**--**	**1,109**	**875**
Arkansas	5,486	4,964	10.5	4,687	4,954	789	--	--	--	10	10
Louisiana	5,261	4,986	5.5	2,314	2,447	2,947	2,540	--	--	--	--
Oklahoma	7,000	6,147	13.9	6,573	5,679	362	401	--	--	66	68
Texas	34,053	30,174	12.9	12,811	12,013	20,209	17,364	--	--	1,033	798
Mountain	**34,610**	**36,400**	**-4.9**	**31,015**	**31,558**	**3,547**	**4,677**	**--**	**--**	**48**	**165**
Arizona	7,227	7,020	3.0	7,199	6,992	--	--	--	--	29	28
Colorado	6,134	5,980	2.6	6,120	5,965	13	15	--	--	--	--
Idaho	5	6	-17.6	--	--	--	--	--	--	5	6
Montana	3,133	4,196	-25.3	NM	104	3,044	4,092	--	--	--	--
Nevada	714	1,226	-41.8	470	929	244	297	--	--	--	--
New Mexico	5,086	3,939	29.1	5,086	3,939	--	--	--	--	--	--
Utah	4,620	5,328	-13.3	4,508	5,096	NM	NM	--	--	--	116
Wyoming	7,691	8,704	-11.6	7,543	8,533	134	157	--	--	14	15
Pacific Contiguous	**1,362**	**3,259**	**-58.2**	**567**	**904**	**768**	**2,326**	**--**	**--**	**27**	**29**
California	243	254	-4.3	--	--	218	229	--	--	24	25
Oregon	567	904	-37.3	567	904	--	--	--	--	--	--
Washington	552	2,102	-73.7	--	--	550	2,097	--	--	2	4
Pacific Noncontiguous	**416**	**398**	**4.5**	**54**	**61**	**323**	**306**	**33**	**30**	**5**	**--**
Alaska	161	167	-3.6	54	61	73	76	33	30	--	--
Hawaii	255	231	10.3	--	--	250	231	--	--	5	--
U.S. Total	**302,966**	**314,407**	**-3.6**	**223,901**	**232,793**	**76,498**	**79,073**	**109**	**113**	**2,457**	**2,428**

* = 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 2010 and 2011 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, April 2011 and 2010

(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**39**	**51**	**-24.1**	**4**	**9**	**21**	**32**	**NM**	**NM**	**11**	**7**
Connecticut	5	19	-72.9	NM	NM	5	19	--	--	NM	NM
Maine	17	8	126.8	NM	NM	7	1	NM	NM	10	6
Massachusetts	12	15	-21.8	NM	NM	NM	12	NM	NM	NM	NM
New Hampshire	NM	7	--	1	6	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	--	1	1	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**110**	**110**	**.1**	**15**	**33**	**86**	**66**	**NM**	**3**	**9**	**8**
New Jersey	NM	NM	--	NM	NM	3	2	NM	NM	NM	NM
New York	43	69	-37.0	14	33	21	26	NM	2	8	7
Pennsylvania	63	39	62.8	NM	NM	62	38	NM	NM	NM	NM
East North Central	**167**	**111**	**50.6**	**153**	**86**	**12**	**21**	**NM**	**1**	**NM**	**2**
Illinois	9	17	-47.3	3	4	6	13	NM	NM	NM	NM
Indiana	30	28	8.1	29	27	NM	NM	NM	NM	1	1
Michigan	69	30	131.3	68	27	NM	NM	*	1	NM	1
Ohio	51	33	55.9	45	25	6	8	--	--	NM	NM
Wisconsin	NM	4	--	7	3	NM	NM	--	--	NM	*
West North Central	**49**	**44**	**12.7**	**48**	**43**	**NM**	**1**	**NM**	**NM**	**NM**	*****
Iowa	16	14	16.2	16	13	NM	*	NM	NM	NM	NM
Kansas	7	6	18.3	7	6	--	--	--	--	--	--
Minnesota	NM	5	--	NM	5	NM	NM	NM	NM	NM	NM
Missouri	7	11	-32.9	7	11	--	--	NM	NM	NM	NM
Nebraska	6	2	279.3	6	2	--	--	--	--	--	--
North Dakota	NM	5	--	NM	5	--	--	NM	NM	NM	*
South Dakota	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	**765**	**450**	**70.0**	**717**	**403**	**31**	**34**	**NM**	**NM**	**17**	**12**
Delaware	6	NM	--	NM	NM	6	2	--	--	--	NM
District of Columbia	--	3	--	--	--	--	3	--	--	--	--
Florida	638	323	97.9	631	315	3	4	--	--	4	4
Georgia	20	24	-16.0	14	19	NM	1	NM	NM	5	3
Maryland	18	17	6.9	1	NM	17	17	NM	NM	*	*
North Carolina	33	22	49.1	30	20	NM	NM	NM	NM	2	NM
South Carolina	19	18	6.0	17	17	--	--	NM	NM	2	1
Virginia	19	26	-26.3	12	15	4	8	*	*	3	3
West Virginia	12	16	-25.9	12	16	--	--	--	--	--	--
East South Central	**84**	**56**	**49.4**	**79**	**52**	**1**	**NM**	**--**	**--**	**5**	**5**
Alabama	24	17	37.6	18	13	1	NM	--	--	5	4
Kentucky	19	18	4.7	19	18	--	--	--	--	--	--
Mississippi	6	3	139.2	6	2	--	--	--	--	*	*
Tennessee	35	18	93.1	35	18	--	--	--	--	NM	NM
West South Central	**33**	**36**	**-10.1**	**14**	**10**	**11**	**16**	**NM**	**NM**	**7**	**10**
Arkansas	9	3	182.3	6	3	3	--	--	--	*	NM
Louisiana	6	2	277.2	3	NM	2	*	--	--	1	1
Oklahoma	3	NM	--	3	NM	--	--	NM	NM	NM	NM
Texas	14	31	-55.2	2	7	6	16	NM	NM	NM	NM
Mountain	**46**	**48**	**-4.4**	**37**	**45**	**9**	**3**	**NM**	**NM**	**NM**	**NM**
Arizona	9	25	-63.4	9	25	--	--	NM	NM	NM	NM
Colorado	NM	2	--	NM	2	6	NM	--	--	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	NM	3	--	NM	NM	NM	3	--	--	NM	NM
Nevada	1	*	--	*	NM	1	*	--	--	--	--
New Mexico	NM	6	--	NM	6	--	--	--	--	NM	NM
Utah	7	7	-.5	7	7	--	--	--	--	--	--
Wyoming	NM	5	--	NM	5	--	--	--	--	NM	NM
Pacific Contiguous	**NM**	**11**	**--**	**NM**	**7**	**NM**	**3**	**NM**	**NM**	**NM**	**1**
California	NM	7	--	4	6	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	--	1	*	--	--	--	--	NM	NM
Washington	NM	4	--	NM	NM	--	2	NM	NM	NM	1
Pacific Noncontiguous	**911**	**1,041**	**-12.5**	**767**	**906**	**120**	**127**	**NM**	**1**	**NM**	**7**
Alaska	98	115	-15.1	92	111	--	--	NM	1	5	4
Hawaii	813	926	-12.1	675	796	120	127	*	*	NM	3
U.S. Total	**2,211**	**1,958**	**12.9**	**1,839**	**1,594**	**292**	**303**	**7**	**9**	**74**	**52**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**635**	**337**	**88.3**	**134**	**58**	**440**	**235**	**18**	**14**	**43**	**30**
Connecticut	139	100	38.5	NM	3	137	96	--	--	NM	NM
Maine	190	78	143.4	NM	NM	148	49	NM	NM	40	27
Massachusetts	205	110	86.9	43	14	153	89	7	6	2	1
New Hampshire	89	40	124.1	83	35	NM	NM	6	5	NM	NM
Rhode Island	9	NM	--	6	5	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**1,007**	**1,045**	**-3.6**	**298**	**384**	**661**	**608**	**NM**	**15**	**44**	**38**
New Jersey	67	112	-39.9	NM	NM	65	110	NM	NM	NM	NM
New York	652	654	-.3	296	383	314	226	2	12	39	33
Pennsylvania	287	278	3.1	NM	NM	282	272	NM	NM	4	3
East North Central	**535**	**475**	**12.6**	**466**	**371**	**59**	**91**	**3**	**4**	**7**	**9**
Illinois	48	66	-28.2	16	18	31	48	*	NM	NM	NM
Indiana	105	96	8.8	99	94	NM	NM	2	NM	4	2
Michigan	144	120	19.8	142	112	NM	NM	1	4	NM	5
Ohio	218	164	33.0	190	123	27	40	--	--	NM	1
Wisconsin	20	28	-28.0	18	24	NM	3	--	--	NM	1
West North Central	**202**	**203**	**-.6**	**198**	**198**	**1**	**3**	**NM**	**1**	**NM**	**1**
Iowa	41	49	-16.2	40	48	NM	1	NM	NM	NM	NM
Kansas	30	30	1.8	30	30	--	--	--	--	--	--
Minnesota	23	27	-13.7	21	24	1	2	NM	1	NM	*
Missouri	56	49	15.2	56	49	--	--	NM	NM	NM	NM
Nebraska	23	17	31.2	23	17	--	--	--	--	--	--
North Dakota	22	28	-20.3	21	27	--	--	NM	NM	NM	1
South Dakota	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	**2,120**	**4,385**	**-51.6**	**1,820**	**3,695**	**232**	**603**	**NM**	**NM**	**66**	**86**
Delaware	32	32	2.0	NM	NM	32	32	--	--	*	NM
District of Columbia	3	8	-60.1	--	--	3	8	--	--	--	--
Florida	1,243	3,304	-62.4	1,218	3,012	10	270	--	--	15	21
Georgia	92	131	-29.4	62	88	4	24	1	NM	25	18
Maryland	105	118	-10.7	3	2	101	114	NM	NM	1	1
North Carolina	182	235	-22.7	171	215	NM	NM	NM	NM	10	16
South Carolina	84	103	-18.7	76	95	--	--	NM	NM	8	8
Virginia	244	369	-33.9	175	196	60	151	1	1	7	21
West Virginia	134	86	56.6	115	86	19	--	--	--	--	--
East South Central	**342**	**295**	**15.9**	**316**	**236**	**9**	**27**	**--**	**--**	**16**	**32**
Alabama	86	122	-29.3	62	68	9	27	--	--	15	27
Kentucky	82	68	21.9	82	68	--	--	--	--	--	--
Mississippi	50	10	385.7	49	NM	--	--	--	--	1	2
Tennessee	123	95	30.0	123	92	--	--	--	--	NM	3
West South Central	**264**	**339**	**-22.1**	**148**	**209**	**97**	**83**	**NM**	**NM**	**18**	**46**
Arkansas	41	37	12.6	23	36	17	--	--	--	1	NM
Louisiana	37	138	-73.2	25	122	9	7	--	--	3	8
Oklahoma	NM	NM	--	11	5	--	--	NM	NM	NM	NM
Texas	174	159	9.6	89	46	71	75	1	NM	NM	NM
Mountain	**146**	**150**	**-2.5**	**128**	**137**	**17**	**12**	**NM**	**NM**	**NM**	**NM**
Arizona	34	55	-38.5	34	55	--	--	NM	NM	NM	NM
Colorado	NM	10	--	NM	10	6	NM	*	--	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	10	11	-15.1	NM	NM	9	10	--	--	NM	NM
Nevada	6	5	15.8	5	4	2	1	--	--	--	--
New Mexico	21	28	-25.2	21	28	--	--	--	--	NM	NM
Utah	24	22	8.5	24	22	--	--	--	--	--	--
Wyoming	36	18	103.7	36	18	--	--	--	--	NM	NM
Pacific Contiguous	**51**	**57**	**-9.5**	**33**	**36**	**9**	**11**	**NM**	**NM**	**9**	**9**
California	25	33	-25.5	21	29	2	4	NM	NM	NM	1
Oregon	6	2	177.6	3	1	--	--	--	--	2	NM
Washington	21	21	-1.8	NM	NM	7	7	NM	NM	6	7
Pacific Noncontiguous	**4,226**	**4,398**	**-3.9**	**3,709**	**3,935**	**461**	**421**	**NM**	**4**	**NM**	**38**
Alaska	525	553	-5.2	499	531	--	--	NM	3	22	19
Hawaii	3,701	3,845	-3.7	3,210	3,404	461	421	1	1	NM	19
U.S. Total	**9,529**	**11,685**	**-18.4**	**7,251**	**9,259**	**1,987**	**2,093**	**34**	**43**	**257**	**290**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	30	--	--	--	NM	28	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	25	--	--	--	NM	25	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	56	54	4.0	13	12	37	35	--	--	NM	NM
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	3	2	--	--	NM	NM
Ohio	NM	34	--	--	--	35	34	--	--	NM	NM
Wisconsin	16	15	1.2	12	11	--	--	--	--	4	4
West North Central	1	7	-83.6	1	6	--	--	--	*	--	--
Iowa	*	2	--	*	2	--	--	--	*	--	--
Kansas	1	4	-70.7	1	4	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	1	--	--	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	8	98	-91.8	1	91	--	--	--	--	7	7
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1	91	-98.8	1	91	--	--	--	--	--	--
Georgia	7	7	-3.0	--	--	--	--	--	--	7	7
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	42	72	-41.5	42	72	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	42	72	-41.5	42	72	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	147	81	80.5	138	71	3	--	--	--	NM	NM
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	141	78	80.0	138	71	--	--	--	--	NM	NM
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	6	NM	--	--	--	3	--	--	--	4	NM
Mountain	16	14	9.8	--	--	16	14	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	16	14	9.8	--	--	16	14	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	NM	--	--	--	NM	NM	--	--	--	--
California	NM	NM	--	--	--	NM	NM	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	301	385	-21.8	196	253	86	106	--	*	19	26

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**94**	**86**	**10.1**	**--**	**--**	**86**	**76**	**--**	**--**	**NM**	**NM**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	70	67	5.3	--	--	70	67	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	**229**	**217**	**6.0**	**75**	**69**	**133**	**124**	**--**	**--**	**21**	**23**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	11	11	--	--	NM	NM
Ohio	124	114	8.7	--	--	122	114	--	--	NM	NM
Wisconsin	83	81	2.9	69	65	--	--	--	--	15	16
West North Central	**19**	**33**	**-44.3**	**18**	**33**	**--**	**--**	**1**	**1**	**--**	**--**
Iowa	12	12	2.6	12	11	--	--	1	1	--	--
Kansas	6	18	-64.3	6	18	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	4	--	--	4	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**241**	**458**	**-47.4**	**215**	**431**	**--**	**--**	**--**	**--**	**26**	**27**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	215	422	-49.2	215	422	--	--	--	--	--	--
Georgia	26	27	-2.1	--	--	--	--	--	--	26	27
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	9	--	--	9	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**216**	**264**	**-18.4**	**216**	**264**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	216	264	-18.4	216	264	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**713**	**418**	**70.7**	**633**	**305**	**41**	**67**	**--**	**--**	**NM**	**NM**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	656	337	94.7	633	305	--	--	--	--	NM	NM
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	57	81	-29.5	--	--	41	67	--	--	16	NM
Mountain	**54**	**61**	**-11.4**	**--**	**--**	**54**	**61**	**--**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	54	61	-11.4	--	--	54	61	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**107**	**128**	**-16.7**	**--**	**--**	**107**	**128**	**--**	**--**	**--**	**--**
California	107	128	-16.7	--	--	107	128	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**1,672**	**1,664**	**.5**	**1,156**	**1,102**	**421**	**456**	**1**	**1**	**94**	**105**

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 2010 and 2011 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, April 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**35,823**	**24,679**	**45.2**	**222**	**83**	**34,402**	**22,773**	**317**	**305**	**882**	**1,518**
Connecticut	7,004	3,992	75.4	*	--	6,835	3,847	NM	NM	NM	126
Maine	3,889	3,061	27.1	--	--	3,280	1,766	NM	NM	608	1,294
Massachusetts	17,137	12,786	34.0	222	80	16,555	12,372	243	244	NM	89
New Hampshire	4,008	700	472.7	--	*	4,000	691	--	--	NM	NM
Rhode Island	3,784	4,137	-8.5	--	--	3,733	4,097	NM	NM	--	--
Vermont	*	3	--	*	3	--	--	--	--	--	--
Middle Atlantic	**65,052**	**54,808**	**18.7**	**7,693**	**9,038**	**56,303**	**44,771**	**348**	**344**	**708**	**656**
New Jersey	14,992	12,232	22.6	--	--	14,678	11,912	NM	NM	NM	284
New York	28,638	26,396	8.5	7,688	9,035	20,545	16,956	266	273	NM	132
Pennsylvania	21,422	16,180	32.4	NM	NM	21,080	15,902	NM	NM	NM	240
East North Central	**19,670**	**11,564**	**70.1**	**6,875**	**2,385**	**11,807**	**8,333**	**410**	**324**	**577**	**521**
Illinois	2,502	1,201	108.2	NM	90	1,915	761	353	260	NM	89
Indiana	6,257	2,027	208.6	4,429	617	1,572	1,123	NM	NM	239	273
Michigan	4,823	4,448	8.4	697	519	3,978	3,820	4	1	143	107
Ohio	3,516	2,311	52.2	224	263	3,263	2,027	--	--	NM	NM
Wisconsin	2,573	1,576	63.3	1,415	895	1,079	602	NM	48	NM	31
West North Central	**5,226**	**3,853**	**35.6**	**4,274**	**3,478**	**818**	**233**	**NM**	**41**	**109**	**102**
Iowa	328	392	-16.3	262	315	NM	--	NM	NM	NM	74
Kansas	1,853	1,346	37.7	1,853	1,346	--	--	--	--	--	--
Minnesota	1,360	1,398	-2.7	951	1,126	348	215	NM	36	39	20
Missouri	1,535	566	171.5	1,063	545	470	NM	*	1	NM	NM
Nebraska	NM	86	--	NM	86	NM	NM	NM	*	--	--
North Dakota	NM	NM	--	NM	--	--	--	--	--	NM	NM
South Dakota	NM	NM	--	NM	NM	--	--	--	--	--	--
South Atlantic	**126,863**	**92,191**	**37.6**	**102,334**	**78,561**	**23,643**	**12,812**	**NM**	**11**	**875**	**807**
Delaware	3,371	1,120	201.1	NM	NM	3,360	1,112	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	91,734	69,919	31.2	82,578	64,704	8,541	4,601	NM	11	606	602
Georgia	14,624	8,385	74.4	7,547	5,337	6,889	2,913	--	--	187	135
Maryland	1,103	1,296	-14.9	--	--	1,072	1,269	NM	--	NM	28
North Carolina	3,767	3,138	20.1	2,877	2,651	876	472	*	--	14	15
South Carolina	7,191	4,300	67.2	6,474	3,480	709	817	--	NM	7	3
Virginia	5,022	3,978	26.2	2,833	2,367	2,163	1,589	--	--	25	21
West Virginia	NM	56	--	13	14	34	38	--	--	NM	NM
East South Central	**35,131**	**28,282**	**24.2**	**20,496**	**15,640**	**13,566**	**11,833**	**NM**	**NM**	**992**	**742**
Alabama	18,621	14,010	32.9	7,945	6,465	9,993	7,077	--	--	682	468
Kentucky	1,063	496	114.5	920	356	13	21	--	--	NM	119
Mississippi	13,671	13,588	.6	9,960	8,700	3,560	4,735	NM	NM	142	144
Tennessee	1,775	188	842.3	1,670	119	--	--	NM	NM	37	11
West South Central	**172,868**	**151,456**	**14.1**	**53,796**	**44,449**	**84,822**	**75,183**	**297**	**304**	**33,954**	**31,519**
Arkansas	5,398	3,056	76.6	1,351	NM	3,947	2,919	NM	NM	99	98
Louisiana	40,719	30,192	34.9	21,317	12,612	3,379	3,281	NM	NM	16,004	14,279
Oklahoma	15,278	16,825	-9.2	10,524	13,395	4,670	3,341	NM	NM	71	74
Texas	111,474	101,383	10.0	20,604	18,405	72,826	65,642	263	269	17,780	17,067
Mountain	**37,982**	**45,988**	**-17.4**	**21,652**	**21,235**	**15,730**	**24,155**	**NM**	**NM**	**515**	**498**
Arizona	11,571	15,360	-24.7	5,811	4,990	5,716	10,320	NM	NM	NM	NM
Colorado	7,064	6,806	3.8	2,742	1,208	4,305	5,578	--	--	NM	NM
Idaho	543	1,275	-57.4	NM	NM	388	1,088	--	--	67	30
Montana	NM	NM	--	NM	NM	NM	NM	--	--	NM	NM
Nevada	11,054	13,435	-17.7	7,875	8,414	3,040	4,867	--	--	NM	NM
New Mexico	4,620	4,957	-6.8	2,509	2,921	2,063	1,981	NM	NM	NM	NM
Utah	2,869	3,856	-25.6	2,577	3,498	NM	NM	NM	NM	NM	NM
Wyoming	223	240	-7.4	NM	NM	NM	NM	--	--	175	194
Pacific Contiguous	**41,903**	**75,176**	**-44.3**	**12,123**	**23,366**	**24,077**	**45,380**	**1,089**	**1,160**	**4,613**	**5,270**
California	38,155	57,141	-33.2	11,142	13,171	21,370	37,621	1,086	1,156	4,557	5,193
Oregon	2,693	9,633	-72.0	397	4,053	2,265	5,516	--	--	31	65
Washington	1,055	8,402	-87.4	584	6,142	443	2,243	NM	4	24	12
Pacific Noncontiguous	**3,436**	**3,681**	**-6.7**	**3,391**	**3,608**	**--**	**--**	**--**	**--**	**NM**	**NM**
Alaska	3,436	3,681	-6.7	3,391	3,608	--	--	--	--	NM	NM
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**543,954**	**491,678**	**10.6**	**232,855**	**201,843**	**265,170**	**245,473**	**2,661**	**2,656**	**43,269**	**41,706**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**133,010**	**107,708**	**23.5**	**826**	**315**	**124,826**	**99,720**	**1,556**	**1,494**	**5,803**	**6,179**
Connecticut	29,098	20,281	43.5	2	*	28,442	19,728	NM	NM	567	474
Maine	13,768	14,718	-6.5	--	--	8,977	9,340	NM	NM	4,785	5,375
Massachusetts	55,676	48,805	14.1	553	121	53,427	47,112	1,279	1,275	416	297
New Hampshire	15,819	7,371	114.6	257	176	15,528	7,161	--	--	NM	NM
Rhode Island	18,635	16,516	12.8	--	--	18,451	16,379	184	137	--	--
Vermont	14	18	-20.4	14	18	--	--	--	--	--	--
Middle Atlantic	**254,390**	**200,065**	**27.2**	**38,753**	**37,585**	**211,126**	**158,371**	**1,567**	**1,322**	**2,945**	**2,787**
New Jersey	53,399	47,717	11.9	--	--	52,034	46,361	NM	145	1,205	1,211
New York	116,944	100,670	16.2	38,735	37,573	76,372	61,489	1,249	1,044	587	564
Pennsylvania	84,048	51,678	62.6	NM	NM	82,720	50,521	NM	NM	1,152	1,012
East North Central	**98,861**	**56,296**	**75.6**	**31,867**	**17,213**	**63,101**	**35,567**	**1,693**	**1,577**	**2,200**	**1,938**
Illinois	9,674	6,588	46.8	NM	423	7,545	4,520	1,400	1,299	433	347
Indiana	26,315	10,757	144.6	18,175	3,433	6,974	6,204	NM	55	1,100	1,065
Michigan	26,541	18,518	43.3	1,899	2,743	24,251	15,429	28	28	363	317
Ohio	24,000	6,663	260.2	5,789	1,206	18,111	5,394	--	--	NM	62
Wisconsin	12,331	13,770	-10.4	5,706	9,407	6,221	4,020	200	196	204	147
West North Central	**24,479**	**24,778**	**-1.2**	**21,409**	**22,170**	**2,455**	**2,001**	**143**	**170**	**472**	**436**
Iowa	2,157	2,387	-9.6	1,842	2,071	NM	NM	NM	NM	301	304
Kansas	6,470	6,641	-2.6	6,470	6,641	--	--	--	--	--	--
Minnesota	6,126	7,101	-13.7	4,973	5,907	892	943	119	149	143	101
Missouri	8,938	7,959	12.3	7,358	6,890	1,562	1,058	10	8	NM	NM
Nebraska	562	489	14.9	560	488	NM	NM	NM	NM	--	--
North Dakota	29	28	2.0	NM	NM	--	--	--	--	21	28
South Dakota	NM	NM	--	NM	NM	--	--	--	--	--	--
South Atlantic	**435,287**	**370,697**	**17.4**	**347,261**	**306,152**	**84,280**	**60,963**	**49**	**36**	**3,697**	**3,546**
Delaware	8,440	3,631	132.5	NM	NM	8,397	3,601	--	--	1	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	299,755	267,957	11.9	276,126	246,574	20,877	18,738	46	35	2,705	2,610
Georgia	45,950	40,518	13.4	22,461	21,552	22,851	18,379	--	--	639	587
Maryland	2,858	3,657	-21.8	--	--	2,746	3,559	NM	--	112	98
North Carolina	16,886	13,485	25.2	11,521	11,029	5,285	2,425	1	1	80	30
South Carolina	26,405	15,931	65.7	23,958	13,449	2,418	2,463	NM	NM	29	19
Virginia	34,750	25,299	37.4	13,100	13,439	21,531	11,667	--	--	119	193
West Virginia	241	220	9.7	52	81	175	131	--	--	NM	9
East South Central	**162,851**	**140,471**	**15.9**	**83,566**	**74,359**	**75,037**	**62,411**	**NM**	**270**	**3,944**	**3,431**
Alabama	90,509	69,801	29.7	31,172	30,268	56,652	37,339	--	--	2,685	2,194
Kentucky	3,389	3,723	-9.0	2,789	2,898	47	281	--	--	553	544
Mississippi	63,568	64,962	-2.1	44,608	39,482	18,338	24,791	NM	NM	583	650
Tennessee	5,385	1,985	171.3	4,997	1,711	--	--	NM	231	123	43
West South Central	**634,880**	**616,283**	**3.0**	**195,945**	**186,418**	**302,029**	**295,854**	**1,107**	**1,140**	**135,799**	**132,871**
Arkansas	23,761	18,420	29.0	3,979	2,114	19,287	15,758	NM	NM	493	546
Louisiana	143,540	116,292	23.4	66,719	42,405	16,209	13,600	NM	NM	60,532	60,206
Oklahoma	65,506	75,485	-13.2	49,689	62,393	15,447	12,733	68	52	301	307
Texas	402,073	406,086	-1.0	75,558	79,506	251,086	253,764	956	1,005	74,473	71,811
Mountain	**145,413**	**178,645**	**-18.6**	**81,927**	**87,496**	**60,959**	**88,638**	**NM**	**405**	**2,168**	**2,107**
Arizona	39,464	47,787	-17.4	15,775	15,788	23,508	31,796	NM	199	NM	NM
Colorado	26,213	31,378	-16.5	12,440	9,710	13,697	21,594	*	1	NM	NM
Idaho	2,008	5,113	-60.7	NM	581	1,304	4,359	--	--	240	173
Montana	NM	243	--	NM	NM	NM	NM	--	--	NM	NM
Nevada	43,979	54,641	-19.5	29,945	33,517	13,458	20,535	--	--	NM	589
New Mexico	20,264	21,855	-7.3	12,129	12,687	7,929	8,954	NM	198	NM	NM
Utah	12,214	16,498	-26.0	10,974	14,922	NM	1,197	NM	NM	NM	372
Wyoming	1,088	1,129	-3.6	NM	282	NM	NM	--	--	895	841
Pacific Contiguous	**207,061**	**317,091**	**-34.7**	**54,807**	**97,217**	**129,007**	**193,563**	**4,416**	**4,611**	**18,832**	**21,700**
California	184,965	249,813	-26.0	47,273	60,429	114,813	163,434	4,398	4,594	18,481	21,356
Oregon	15,308	42,033	-63.6	2,913	16,670	12,183	25,095	--	--	211	267
Washington	6,789	25,245	-73.1	4,620	20,117	2,011	5,033	18	17	140	77
Pacific Noncontiguous	**13,618**	**14,402**	**-5.4**	**13,370**	**14,105**	**--**	**--**	**--**	**--**	**NM**	**296**
Alaska	13,618	14,402	-5.4	13,370	14,105	--	--	--	--	NM	296
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**2,109,851**	**2,026,435**	**4.1**	**869,730**	**843,029**	**1,052,819**	**997,088**	**11,194**	**11,025**	**176,108**	**175,292**

* = 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 2010 and 2011 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, 1997 through April 2011

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)
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	**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
December	175,160	36,126	1,087	142,473	25,042	850	32,687	11,084	237
2011									
January	165,059	35,578	876	133,849	24,931	657	31,209	10,647	219
February	161,705	35,176	781	130,927	24,783	594	30,778	10,393	187
March	166,954	34,827	563	134,173	24,688	437	32,781	10,139	127
April	174,463	34,457	593	139,989	24,561	463	34,473	9,896	130

[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 and 2011 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, April 2011

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Percent Change
New England	**865**	**1,074**	**-19.5**	**2,932**	**4,081**	**-28.1**	**--**	**--**	**--**
Connecticut, Maine, New Hampshire, Rhode Island, Vermont[1]	339	547	-38.0	1,731	2,085	-16.9	--	--	--
Massachusetts	526	527	-.2	1,201	1,996	-39.9	--	--	--
Middle Atlantic	**7,927**	**9,285**	**-14.6**	**6,894**	**8,353**	**-17.5**	**--**	**W**	**W**
New Jersey	623	653	-4.6	1,160	1,513	-23.3	--	--	--
New York	1,105	1,181	-6.4	4,418	5,187	-14.8	--	W	W
Pennsylvania	6,198	7,451	-16.8	1,316	1,653	-20.4	--	--	--
East North Central	**35,789**	**39,606**	**-9.6**	**2,117**	**2,193**	**-3.5**	**26**	**43**	**-38.9**
Illinois	8,099	8,589	-5.7	149	186	-20.3	--	--	--
Indiana	9,285	12,275	-24.4	106	114	-7.3	--	--	--
Michigan	4,785	4,604	3.9	1,155	1,111	4.0	W	W	W
Ohio	7,405	9,420	-21.4	406	449	-9.6	--	--	--
Wisconsin	6,215	4,719	31.7	301	333	-9.4	W	W	W
West North Central	**27,541**	**27,459**	**.3**	**1,478**	**1,530**	**-3.5**	**W**	**W**	**W**
Iowa	6,261	6,059	3.3	160	169	-5.5	W	W	W
Kansas	4,298	3,924	9.6	417	414	.7	W	W	W
Minnesota	2,607	2,621	-.5	208	256	-18.7	--	--	--
Missouri	8,825	9,472	-6.8	334	331	1.0	--	--	--
Nebraska	3,773	3,629	4.0	223	228	-2.2	--	--	--
North Dakota, South Dakota[1]	1,775	1,753	1.3	136	133	2.3	--	--	--
South Atlantic	**33,383**	**38,343**	**-12.9**	**12,090**	**12,415**	**-2.6**	**W**	**W**	**W**
Delaware, District of Columbia, Maryland[1]	1,663	1,864	-10.8	1,427	1,695	-15.8	--	--	--
Florida	5,526	6,683	-17.3	5,780	5,413	6.8	W	W	W
Georgia	6,766	8,109	-16.6	856	880	-2.8	--	--	--
North Carolina	5,665	5,390	5.1	972	1,022	-4.9	--	--	--
South Carolina	6,732	6,374	5.6	582	777	-25.2	W	W	W
Virginia	1,645	2,210	-25.6	2,335	2,457	-5.0	--	--	--
West Virginia	5,387	7,714	-30.2	140	170	-17.9	W	W	W
East South Central	**18,737**	**21,682**	**-13.6**	**2,206**	**2,352**	**-6.2**	**W**	**W**	**W**
Alabama	5,771	6,512	-11.4	287	333	-13.9	--	--	--
Kentucky	8,042	9,831	-18.2	281	309	-8.9	W	W	W
Mississippi	1,195	1,547	-22.8	779	892	-12.8	--	--	--
Tennessee	3,729	3,792	-1.7	859	818	5.1	--	--	--
West South Central	**28,015**	**30,167**	**-7.1**	**2,949**	**3,419**	**-13.7**	**W**	**W**	**W**
Arkansas	3,686	2,082	77.0	166	189	-11.9	--	--	--
Louisiana	2,138	3,032	-29.5	880	1,202	-26.8	W	W	W
Oklahoma	5,613	6,196	-9.4	236	238	-.7	--	--	--
Texas	16,578	18,856	-12.1	1,667	1,790	-6.9	W	W	W
Mountain	**19,894**	**19,755**	**.7**	**709**	**749**	**-5.3**	**W**	**W**	**W**
Arizona	3,378	4,099	-17.6	233	256	-8.7	--	--	--
Colorado	4,073	4,369	-6.8	144	134	7.9	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana, New Mexico[1]	W	W	W	73	92	-21.2	W	W	W
Nevada	W	W	W	182	181	.3	--	--	--
Utah	4,841	5,067	-4.5	W	45	W	--	--	--
Wyoming	4,135	3,553	16.4	40	W	W	--	--	--
Pacific[2]	**W**	**W**	**W**	**3,082**	**2,847**	**8.3**	**73**	**17**	**329.9**
California, Oregon, Washington, Hawaii, Alaska[1]	W	W	W	3,082	2,847	8.3	73	17	329.9
U.S. Total	**174,463**	**189,196**	**-7.8**	**34,457**	**37,938**	**-9.2**	**593**	**1,190**	**-50.2**

[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 2010 and 2011 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, April 2011

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010
Coal (thousand tons)							
New England	865	1,074	-19.5	W	W	W	W
Middle Atlantic	7,927	9,285	-14.6	W	W	W	W
East North Central	35,789	39,606	-9.6	26,990	30,413	8,799	9,193
West North Central	27,541	27,459	.3	27,541	W	--	W
South Atlantic	33,383	38,343	-12.9	29,562	34,359	3,821	3,985
East South Central	18,737	21,682	-13.6	18,737	21,682	--	--
West South Central	28,015	30,167	-7.1	17,250	16,369	10,765	13,798
Mountain	19,894	19,755	.7	18,758	19,089	1,136	666
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**174,463**	**189,196**	**-7.8**	**139,989**	**150,348**	**34,473**	**38,849**
Petroleum Liquids (thousand barrels)							
New England	2,932	4,081	-28.1	855	961	2,077	3,120
Middle Atlantic	6,894	8,353	-17.5	2,852	3,285	4,042	5,068
East North Central	2,117	2,193	-3.5	1,787	1,805	330	388
West North Central	1,478	1,530	-3.5	1,439	1,489	38	41
South Atlantic	12,090	12,415	-2.6	9,539	9,533	2,551	2,881
East South Central	2,206	2,352	-6.2	W	W	W	W
West South Central	2,949	3,419	-13.7	2,350	2,749	599	670
Mountain	709	749	-5.3	650	683	59	66
Pacific Contiguous	420	589	-28.7	W	W	W	W
Pacific Noncontiguous	2,662	2,258	17.9	W	W	W	W
U.S. Total	**34,457**	**37,938**	**-9.2**	**24,561**	**25,324**	**9,896**	**12,613**
Petroleum Coke (thousand tons)							
New England	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
East North Central	26	43	-38.9	W	W	W	W
West North Central	W	W	W	W	W	--	--
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	--	--
West South Central	W	W	W	W	W	W	W
Mountain	W	W	W	--	--	W	W
Pacific Contiguous	73	17	329.9	--	--	73	17
Pacific Noncontiguous	--	--	--	--	--	--	--
U.S. Total	**593**	**1,190**	**-50.2**	**463**	**1,022**	**130**	**168**

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, 1997 through April 2011

Period	Electric Power Sector (Thousand Tons)			
	Bituminous Coal[1]	Sub-Bituminous Coal	Lignite Coal	Total
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	**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
December	81,185	87,096	6,879	175,160
2011				
January	76,432	82,294	6,333	165,059
February	75,895	79,420	6,389	161,705
March	77,779	82,695	6,480	166,954
April	80,086	87,332	7,045	174,463

[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 and 2011 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), 1997 through April 2011

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)		
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	**17,981,987**	**884,287**	**1.25**	**25.52**	**.9**	**88.0**	**623,354**	**98,581**	**3.87**	**24.45**	**.9**	**67.2**
2003[4]	**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	**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
December	1,602,254	82,523	2.23	43.32	1.0	91.1	22,227	3,717	16.48	98.58	.4	77.3
Total	**19,181,518**	**976,052**	**2.26**	**44.53**	**1.1**	**97.5**	**280,281**	**46,156**	**14.03**	**85.17**	**.5**	**100.6**
2011												
January	1,580,469	80,777	2.34	45.73	1.1	87.6	22,676	3,756	16.49	99.59	.7	101.0
February	1,434,644	72,796	2.36	46.50	1.1	96.6	15,436	2,578	18.13	108.57	.6	109.6
March	1,557,545	80,104	2.34	45.52	1.0	108.1	18,203	3,009	19.91	120.43	.6	123.0
April	1,452,917	74,394	2.39	46.60	1.1	108.6	17,522	2,893	20.48	124.03	.4	110.8
Total	**6,057,864**	**309,926**	**2.35**	**45.97**	**1.1**	**99.9**	**74,493**	**12,350**	**18.64**	**112.42**	**.6**	**111.0**
Year to Date												
2009	6,688,477	336,236	2.25	44.78	1.0	108.0	144,508	23,695	8.28	50.49	.6	108.8
2010	6,218,061	314,428	2.27	44.97	1.1	97.8	82,489	13,633	13.76	83.28	.5	101.1
2011	6,057,864	309,926	2.35	45.97	1.1	99.9	74,493	12,350	18.64	112.42	.6	111.0
Rolling 12 Months Ending in April												
2010	18,967,551	959,668	2.22	43.78	1.0	99.4	268,024	44,119	12.40	75.33	.5	101.7
2011	18,989,033	969,695	2.29	44.87	1.1	98.0	271,631	44,760	15.36	93.19	.5	102.8

[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 and 2011 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), 1997 through April 2011 (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)
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	**127,362**	**4,454**	**.78**	**22.32**	**5.0**	**60.6**	**5,749,844**	**5,607,737**	**3.56**	**80.3**	**1.86**
2003[3]	**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	**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	103.3	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
December	13,076	458	2.50	71.22	5.1	97.4	687,843	673,487	5.41	102.0	3.31
Total	**166,778**	**5,868**	**2.23**	**63.35**	**4.8**	**102.9**	**8,798,123**	**8,605,619**	**5.08**	**101.7**	**3.25**
2011											
January	12,140	426	2.85	81.15	5.1	73.3	672,888	658,912	5.37	102.6	3.37
February	9,601	336	2.61	74.58	5.2	72.8	596,744	583,647	5.09	103.0	3.27
March	9,775	340	2.88	82.94	5.3	63.2	609,056	596,772	4.64	104.8	3.13
April	10,969	383	2.83	81.00	4.9	100.0	642,478	629,453	4.89	103.2	3.29
Total	**42,564**	**1,488**	**2.80**	**80.02**	**5.2**	**75.8**	**2,519,379**	**2,467,046**	**5.00**	**103.3**	**3.26**
Year to Date											
2009	62,609	2,199	1.69	48.19	4.8	108.0	2,344,844	2,284,535	5.25	102.9	3.10
2010	52,236	1,834	1.92	54.76	4.8	93.9	2,401,153	2,348,442	5.73	102.1	3.32
2011	42,564	1,488	2.80	80.02	5.2	75.8	2,519,379	2,467,046	5.00	103.3	3.26
Rolling 12 Months Ending in April											
2010	187,548	6,590	1.67	47.59	4.6	114.7	8,375,638	8,182,456	4.88	102.1	3.11
2011	157,027	5,519	2.48	70.69	4.9	96.6	8,918,135	8,725,961	4.89	102.1	3.23

[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 and 2011 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, 1997 through April 2011

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 %
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	**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
December	1,151,831	58,578	2.22	43.70	1.0	13,174	2,201	16.83	100.70	.2
Total	**13,960,889**	**702,018**	**2.27**	**45.09**	**1.0**	**189,113**	**30,948**	**13.96**	**85.28**	**.5**
2011										
January	1,136,969	57,424	2.35	46.43	1.0	13,562	2,243	16.85	101.90	.5
February	1,040,969	52,271	2.36	47.01	1.1	9,670	1,610	18.34	110.13	.5
March	1,122,302	56,994	2.34	46.16	1.0	13,475	2,220	19.76	119.96	.5
April	1,048,786	53,071	2.40	47.36	1.0	11,490	1,887	20.48	124.72	.4
Total	**4,347,142**	**219,694**	**2.36**	**46.71**	**1.0**	**48,358**	**7,989**	**18.85**	**114.12**	**.5**
Year to Date										
2009	4,876,227	242,665	2.27	45.52	1.0	73,439	11,928	8.29	51.04	.5
2010	4,509,852	225,490	2.27	45.40	1.0	55,727	9,152	13.74	83.64	.4
2011	4,347,142	219,694	2.36	46.71	1.0	48,358	7,989	18.85	114.12	.5
Rolling 12 Months Ending in April										
2010	14,035,643	702,078	2.22	44.40	1.0	184,886	30,183	12.29	75.28	.5
2011	13,800,065	696,288	2.30	45.50	1.0	181,582	29,757	15.32	93.47	.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 and 2011 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, 1997 through April 2011 (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)
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	**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
December	7,930	277	2.75	78.66	5.0	254,959	250,215	5.66	2.97
Total	**103,135**	**3,628**	**2.38**	**67.70**	**5.0**	**3,305,805**	**3,238,691**	**5.44**	**2.99**
2011									
January	7,842	275	3.09	87.93	5.3	238,295	233,922	5.53	3.03
February	6,171	216	2.92	83.63	5.4	209,827	205,725	5.38	2.99
March	5,948	206	3.28	94.58	5.7	214,647	210,764	4.95	2.93
April	6,570	229	3.31	95.04	5.2	244,641	240,709	5.26	3.09
Total	**26,531**	**926**	**3.15**	**90.17**	**5.4**	**905,595**	**889,354**	**5.29**	**3.01**
Year to Date									
2009	35,344	1,241	1.73	49.34	5.2	832,557	811,809	6.08	2.88
2010	32,313	1,137	2.08	59.05	5.1	870,530	853,357	6.12	3.00
2011	26,531	926	3.15	90.17	5.4	905,595	889,354	5.29	3.01
Rolling 12 Months Ending in April									
2010	106,094	3,728	1.78	50.76	5.0	3,071,106	3,004,188	5.52	2.91
2011	97,352	3,417	2.69	76.67	5.1	3,342,687	3,276,455	5.22	3.00

[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 and 2011 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, 1997 through April 2011

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)	
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	**3,710,847**	**182,482**	**1.37**	**27.96**	**1.2**	**186,271**	**30,043**	**4.19**	**25.98**	**.6**
2003[3]	**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	**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
December	411,537	22,155	2.20	40.86	1.1	5,078	857	16.69	98.91	.3
Total	**4,720,243**	**250,741**	**2.20**	**41.49**	**1.1**	**48,515**	**8,201**	**14.94**	**88.41**	**.3**
2011										
January	400,975	21,400	2.25	42.16	1.2	4,710	786	17.42	104.35	.6
February	356,631	18,834	2.29	43.42	1.2	3,128	531	18.61	109.57	.8
March	398,375	21,398	2.28	42.40	1.1	2,125	363	21.95	128.60	.5
April	366,039	19,561	2.29	42.89	1.1	3,158	534	21.67	128.10	.3
Total	**1,555,486**	**83,082**	**2.27**	**42.43**	**1.1**	**13,179**	**2,225**	**19.46**	**115.28**	**.6**
Year to Date										
2009	1,650,086	86,184	2.14	41.04	1.1	42,641	7,052	8.28	50.03	.4
2010	1,539,184	80,894	2.23	42.42	1.2	13,154	2,238	14.72	86.48	.3
2011	1,555,486	83,082	2.27	42.43	1.1	13,179	2,225	19.46	115.28	.6
Rolling 12 Months Ending in April										
2010	4,452,178	235,396	2.14	40.39	1.1	38,544	6,594	13.56	79.24	.3
2011	4,703,080	251,039	2.22	41.58	1.1	48,482	8,177	16.23	96.22	.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 and 2011 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, 1997 through April 2011 (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)
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	**47,805**	**1,639**	**1.03**	**29.98**	**4.9**	**3,198,108**	**3,126,308**	**3.55**	**2.42**
2003[3]	**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	**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
December	2,016	70	1.65	47.20	4.6	326,323	319,255	5.46	3.73
Total	**30,753**	**1,077**	**1.78**	**50.64**	**3.7**	**4,288,978**	**4,193,954**	**4.92**	**3.55**
2011									
January	1,563	54	1.91	54.97	4.2	327,569	320,551	5.51	3.80
February	1,428	50	1.62	46.63	4.2	293,023	286,422	5.03	3.59
March	1,569	54	1.79	51.99	3.6	295,217	289,345	4.58	3.31
April	2,410	84	1.70	48.92	4.0	299,567	292,945	4.71	3.46
Total	**6,983**	**242**	**1.76**	**50.59**	**4.0**	**1,214,816**	**1,188,715**	**4.97**	**3.52**
Year to Date									
2009	14,372	500	1.29	37.12	4.1	1,135,701	1,105,974	4.78	3.28
2010	10,264	357	1.43	41.02	3.6	1,131,774	1,106,334	5.58	3.69
2011	6,983	242	1.76	50.59	4.0	1,214,816	1,188,715	4.97	3.52
Rolling 12 Months Ending in April									
2010	45,511	1,589	1.35	38.56	3.8	4,083,645	3,988,082	4.52	3.31
2011	27,460	962	1.90	54.17	3.8	4,372,580	4,276,883	4.76	3.51

[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 and 2011 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, 1997 through April 2011

Period	Coal					Petroleum Liquids[1]				
	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 %
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	**9,580**	**399**	**2.10**	**50.44**	**2.6**	**503**	**91**	**5.38**	**29.73**	*****
2003[2]	**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	**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
December	3,429	159	2.66	57.47	1.9	229	39	17.22	101.06	.2
Total	**40,216**	**1,831**	**2.78**	**61.16**	**1.7**	**2,843**	**476**	**14.25**	**85.18**	**.4**
2011										
January	3,495	163	2.78	59.82	1.8	218	37	17.09	101.30	.6
February	3,436	159	2.85	61.45	1.8	180	31	19.00	111.26	.5
March	3,343	158	2.75	58.01	1.7	200	34	21.09	124.48	.5
April	2,739	129	2.79	59.02	1.8	173	29	20.50	122.67	.3
Total	**13,110**	**614**	**2.80**	**59.69**	**1.8**	**788**	**133**	**19.35**	**114.45**	**.5**
Year to Date										
2009	14,835	682	2.88	62.57	1.7	2,239	365	8.95	54.80	.6
2010	14,226	650	2.79	61.20	1.6	770	130	14.33	85.21	.3
2011	13,110	614	2.80	59.69	1.8	788	133	19.35	114.45	.5
Rolling 12 Months Ending in April										
2010	40,573	1,844	2.87	63.22	1.6	2,048	347	14.19	83.72	.3
2011	39,004	1,791	2.78	60.61	1.8	2,844	477	15.61	93.17	.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 and 2011 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, 1997 through April 2011 (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)
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	**NA**	**NA**	**NA**	**NA**	**NA**	**18,671**	**18,256**	**3.44**	**3.03**
2003[3]	**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	**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
December	58	2	2.38	65.32	5.8	7,673	7,516	5.55	4.90
Total	**370**	**13**	**2.13**	**58.88**	**5.7**	**80,467**	**78,785**	**5.43**	**4.76**
2011									
January	42	1	2.84	80.81	5.3	7,360	7,207	5.83	5.08
February	36	1	2.54	72.43	5.5	6,338	6,198	5.68	4.94
March	34	1	2.82	81.17	5.7	6,069	5,952	5.38	4.79
April	13	*	2.64	75.75	5.5	5,902	5,779	5.30	4.81
Total	**125**	**4**	**2.73**	**77.97**	**5.5**	**25,608**	**25,076**	**5.57**	**4.91**
Year to Date									
2009	96	3	1.87	51.70	5.3	25,962	25,334	5.95	5.03
2010	131	5	1.89	51.48	5.5	26,346	25,787	6.16	5.14
2011	125	4	2.73	77.97	5.5	25,608	25,076	5.57	4.91
Rolling 12 Months Ending in April									
2010	287	10	1.69	47.11	5.2	81,517	79,761	5.25	4.61
2011	363	13	2.43	68.07	5.7	79,790	78,133	5.23	4.68

[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 and 2011 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, 1997 through April 2011

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 %
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	**294,234**	**13,659**	**1.45**	**31.29**	**1.6**	**29,137**	**4,638**	**3.55**	**22.33**	**1.2**
2003[3]	**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	**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
December	35,457	1,631	2.84	61.83	1.4	3,747	619	14.95	90.44	.8
Total	**460,169**	**21,461**	**2.80**	**60.15**	**1.3**	**39,810**	**6,532**	**13.22**	**80.60**	**.9**
2011										
January	39,029	1,791	2.97	64.75	1.3	4,187	690	14.25	86.55	1.2
February	33,608	1,532	2.98	65.35	1.4	2,458	406	16.65	100.88	1.2
March	33,525	1,554	2.94	63.38	1.4	2,403	393	18.84	115.22	1.1
April	35,352	1,632	3.03	65.65	1.3	2,701	443	19.07	116.30	.7
Total	**142,126**	**6,536**	**2.98**	**64.85**	**1.4**	**12,168**	**2,003**	**16.85**	**102.33**	**1.0**
Year to Date										
2009	147,329	6,705	2.91	63.94	1.3	26,189	4,350	8.20	49.39	.8
2010	154,800	7,394	2.80	58.52	1.3	12,837	2,113	12.88	78.25	1.0
2011	142,126	6,536	2.98	64.85	1.4	12,168	2,003	16.85	102.33	1.0
Rolling 12 Months Ending in April										
2010	439,157	20,350	2.77	59.79	1.2	42,546	6,995	11.75	71.48	.9
2011	446,884	20,576	2.86	62.20	1.3	38,723	6,350	14.42	87.95	.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 and 2011 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, 1997 through April 2011 (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)
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	**16,383**	**594**	**1.04**	**28.74**	**5.7**	**823,681**	**798,996**	**5.32**	**4.20**
2004[3]	**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	**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
December	3,072	109	2.41	67.91	5.4	98,887	96,501	4.57	4.37
Total	**32,521**	**1,149**	**2.18**	**61.55**	**5.1**	**1,122,873**	**1,094,189**	**4.62**	**4.28**
2011									
January	2,693	96	2.71	76.51	5.3	99,664	97,233	4.52	4.35
February	1,966	70	2.35	66.49	5.4	87,556	85,302	4.53	4.32
March	2,224	78	2.60	73.71	5.4	93,122	90,711	4.07	4.03
April	1,976	70	2.60	73.50	5.1	92,367	90,020	4.44	4.34
Total	**8,925**	**316**	**2.58**	**72.87**	**5.3**	**373,360**	**363,900**	**4.39**	**4.27**
Year to Date									
2009	12,797	454	2.03	57.21	4.4	350,623	341,418	4.75	4.35
2010	9,528	336	1.94	54.89	5.0	372,504	362,963	5.20	4.65
2011	8,925	316	2.58	72.87	5.3	373,360	363,900	4.39	4.27
Rolling 12 Months Ending in April									
2010	35,656	1,262	1.76	49.61	4.7	1,139,369	1,110,426	4.43	4.12
2011	31,852	1,127	2.36	66.70	5.2	1,123,079	1,094,491	4.36	4.15

[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 and 2011 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, April 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**467**	**442**	**5.8**	**132**	**52**	**330**	**384**	**--**	**--**	**NM**	**NM**
Connecticut	--	70	--	--	--	--	70	--	--	--	--
Maine	4	5	-26.7	--	--	2	3	--	--	2	2
Massachusetts	332	315	5.5	--	--	328	311	--	--	NM	NM
New Hampshire	132	52	153.0	132	52	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**4,286**	**5,131**	**-16.5**	**NM**	**NM**	**4,141**	**4,988**	**NM**	**NM**	**137**	**137**
New Jersey	116	253	-54.2	NM	NM	115	252	--	--	--	--
New York	559	336	66.5	NM	NM	506	295	NM	--	47	38
Pennsylvania	3,611	4,542	-20.5	--	--	3,519	4,441	NM	NM	90	100
East North Central	**15,704**	**18,446**	**-14.9**	**9,992**	**13,032**	**5,251**	**4,972**	**38**	**46**	**423**	**396**
Illinois	4,746	4,466	6.3	448	626	4,045	3,635	2	1	251	204
Indiana	3,493	4,711	-25.9	3,090	4,276	376	409	19	19	NM	NM
Michigan	2,193	3,044	-27.9	2,137	2,988	23	11	10	20	NM	NM
Ohio	3,275	3,989	-17.9	2,431	3,037	802	912	--	--	42	40
Wisconsin	1,997	2,237	-10.7	1,886	2,106	NM	NM	NM	NM	99	121
West North Central	**12,325**	**11,654**	**5.8**	**11,957**	**11,292**	**NM**	**NM**	**30**	**27**	**336**	**329**
Iowa	2,316	2,129	8.8	2,092	1,916	--	--	21	20	203	194
Kansas	1,906	1,646	15.8	1,906	1,646	--	--	--	--	--	--
Minnesota	1,689	1,609	5.0	1,601	1,514	NM	NM	--	--	NM	NM
Missouri	3,412	3,496	-2.4	3,388	3,475	--	--	9	7	NM	NM
Nebraska	1,192	1,060	12.4	1,184	1,053	--	--	--	--	NM	NM
North Dakota	1,646	1,547	6.4	1,622	1,522	--	--	--	--	NM	NM
South Dakota	164	166	-1.3	164	166	--	--	--	--	--	--
South Atlantic	**12,159**	**13,708**	**-11.3**	**9,716**	**11,355**	**2,098**	**2,009**	**NM**	**11**	**337**	**333**
Delaware	45	83	-45.3	--	--	45	82	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,928	2,167	-11.0	1,723	2,030	173	98	--	--	32	39
Georgia	2,467	2,856	-13.6	2,388	2,794	--	--	--	--	79	61
Maryland	825	831	-.7	--	--	788	795	--	--	37	35
North Carolina	2,363	2,219	6.5	2,226	2,093	93	83	NM	7	41	37
South Carolina	1,195	1,498	-20.2	1,158	1,468	NM	NM	--	--	25	19
Virginia	866	994	-12.9	658	735	99	137	NM	NM	103	118
West Virginia	2,470	3,061	-19.3	1,563	2,234	888	802	--	--	19	25
East South Central	**7,503**	**8,304**	**-9.6**	**7,019**	**7,998**	**297**	**124**	**NM**	**NM**	**183**	**178**
Alabama	2,212	2,626	-15.8	2,166	2,583	NM	NM	--	--	38	35
Kentucky	3,205	3,508	-8.6	3,205	3,508	--	--	--	--	--	--
Mississippi	531	424	25.4	243	307	288	116	--	--	NM	NM
Tennessee	1,555	1,747	-10.9	1,406	1,599	--	--	NM	NM	145	143
West South Central	**12,854**	**11,322**	**13.5**	**6,436**	**5,742**	**6,374**	**5,532**	**--**	**--**	**NM**	**NM**
Arkansas	1,108	1,048	5.8	950	1,032	148	--	--	--	NM	16
Louisiana	1,179	814	44.7	509	272	669	543	--	--	NM	NM
Oklahoma	1,709	1,529	11.8	1,582	1,403	93	95	--	--	NM	NM
Texas	8,858	7,931	11.7	3,394	3,036	5,463	4,895	--	--	--	--
Mountain	**8,512**	**8,570**	**-.7**	**7,691**	**7,320**	**736**	**1,127**	**--**	**--**	**85**	**123**
Arizona	1,941	1,761	10.2	1,915	1,738	--	--	--	--	NM	NM
Colorado	1,531	1,473	4.0	1,508	1,452	23	20	--	--	--	--
Idaho	NM	NM	--	--	--	--	--	--	--	NM	NM
Montana	614	995	-38.3	NM	NM	590	971	--	--	--	--
Nevada	276	406	-31.9	231	345	46	60	--	--	--	--
New Mexico	1,211	922	31.2	1,211	922	--	--	--	--	--	--
Utah	997	1,075	-7.3	956	992	NM	NM	--	--	4	50
Wyoming	1,928	1,924	.2	1,847	1,845	NM	NM	--	--	41	36
Pacific Contiguous	**378**	**711**	**-46.8**	**110**	**181**	**196**	**475**	**--**	**--**	**72**	**55**
California	145	95	51.4	--	--	78	51	--	--	66	44
Oregon	110	181	-39.2	110	181	--	--	--	--	--	--
Washington	124	435	-71.6	--	--	118	424	--	--	6	11
Pacific Noncontiguous	**206**	**144**	**43.5**	**NM**	**NM**	**137**	**80**	**45**	**47**	**NM**	**--**
Alaska	NM	81	--	NM	NM	NM	NM	45	47	--	--
Hawaii	129	63	105.4	--	--	120	63	--	--	NM	--
U.S. Total	**74,394**	**78,431**	**-5.1**	**53,071**	**56,992**	**19,561**	**19,696**	**129**	**137**	**1,632**	**1,605**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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 April 2011 and 2010

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**1,619**	**1,968**	**-17.7**	**420**	**285**	**1,173**	**1,647**	**--**	**--**	**26**	**35**
Connecticut	24	406	-94.1	--	--	24	406	--	--	--	--
Maine	25	42	-39.0	--	--	17	23	--	--	9	19
Massachusetts	1,149	1,235	-7.0	--	--	1,133	1,219	--	--	17	NM
New Hampshire	420	285	47.2	420	285	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**18,766**	**20,556**	**-8.7**	**NM**	**NM**	**18,256**	**20,031**	**NM**	**NM**	**481**	**502**
New Jersey	699	947	-26.2	NM	NM	697	945	--	--	--	--
New York	2,398	2,174	10.3	NM	NM	2,244	2,032	NM	NM	132	125
Pennsylvania	15,669	17,436	-10.1	--	--	15,315	17,053	NM	NM	349	377
East North Central	**66,529**	**71,284**	**-6.7**	**40,785**	**48,433**	**23,940**	**20,948**	**188**	**230**	**1,616**	**1,674**
Illinois	21,869	19,017	15.0	2,080	2,191	18,829	15,848	26	25	935	952
Indiana	14,401	18,271	-21.2	12,772	16,701	1,505	1,439	91	98	33	33
Michigan	7,988	9,654	-17.3	7,797	9,443	41	NM	42	78	108	119
Ohio	14,401	16,945	-15.0	10,677	13,138	3,549	3,630	--	--	175	178
Wisconsin	7,870	7,397	6.4	7,460	6,960	NM	NM	29	29	365	391
West North Central	**49,623**	**49,139**	**1.0**	**48,060**	**47,603**	**NM**	**NM**	**131**	**139**	**1,415**	**1,377**
Iowa	8,322	8,238	1.0	7,362	7,335	--	--	90	91	870	813
Kansas	6,836	6,952	-1.7	6,836	6,952	--	--	--	--	--	--
Minnesota	6,141	5,775	6.3	5,768	5,385	NM	NM	--	--	356	370
Missouri	15,132	14,321	5.7	15,028	14,210	--	--	41	49	62	62
Nebraska	4,615	5,052	-8.7	4,586	5,022	--	--	--	--	NM	NM
North Dakota	7,908	8,027	-1.5	7,811	7,926	--	--	--	--	NM	101
South Dakota	669	773	-13.5	669	773	--	--	--	--	--	--
South Atlantic	**48,732**	**51,768**	**-5.9**	**39,119**	**41,916**	**8,189**	**8,332**	**55**	**58**	**1,369**	**1,461**
Delaware	141	327	-56.8	--	--	141	325	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	6,713	9,192	-27.0	5,946	8,419	636	631	--	--	131	142
Georgia	10,238	9,948	2.9	9,952	9,675	--	--	--	--	286	273
Maryland	3,141	3,205	-2.0	--	--	2,989	3,052	--	--	152	153
North Carolina	9,921	8,261	20.1	9,343	7,673	378	377	34	37	166	174
South Carolina	4,979	5,644	-11.8	4,841	5,514	49	49	--	--	90	81
Virginia	3,823	4,109	-7.0	2,840	2,903	521	664	21	NM	442	521
West Virginia	9,775	11,081	-11.8	6,199	7,732	3,475	3,235	--	--	102	115
East South Central	**32,466**	**33,243**	**-2.3**	**30,776**	**31,355**	**894**	**1,107**	**21**	**NM**	**775**	**760**
Alabama	9,327	9,979	-6.5	9,134	9,784	33	33	--	--	160	161
Kentucky	13,445	13,807	-2.6	13,445	13,807	--	--	--	--	--	--
Mississippi	1,910	2,263	-15.6	1,049	1,188	860	1,074	--	--	NM	NM
Tennessee	7,785	7,195	8.2	7,149	6,576	--	--	21	NM	615	597
West South Central	**51,932**	**46,859**	**10.8**	**27,039**	**24,197**	**24,713**	**21,693**	**--**	**--**	**179**	**968**
Arkansas	5,893	5,141	14.6	5,066	5,078	786	--	--	--	40	62
Louisiana	4,578	4,374	4.7	2,241	2,200	2,336	2,172	--	--	NM	NM
Oklahoma	6,994	6,868	1.8	6,477	6,290	380	449	--	--	138	129
Texas	34,467	30,477	13.1	13,256	10,629	21,211	19,072	--	--	--	775
Mountain	**36,800**	**35,977**	**2.3**	**32,613**	**30,894**	**3,820**	**4,629**	**--**	**--**	**367**	**453**
Arizona	7,623	7,048	8.2	7,512	6,955	--	--	--	--	NM	NM
Colorado	6,856	6,006	14.2	6,763	5,913	92	92	--	--	--	--
Idaho	59	59	-1.0	--	--	--	--	--	--	59	59
Montana	3,276	4,051	-19.1	NM	102	3,179	3,950	--	--	--	--
Nevada	1,143	1,408	-18.8	918	1,126	225	283	--	--	--	--
New Mexico	5,113	3,895	31.3	5,113	3,895	--	--	--	--	--	--
Utah	4,652	4,581	1.6	4,464	4,315	NM	NM	--	--	32	136
Wyoming	8,079	8,928	-9.5	7,746	8,589	167	175	--	--	165	165
Pacific Contiguous	**2,787**	**3,040**	**-8.3**	**801**	**721**	**1,714**	**2,156**	**--**	**--**	**273**	**164**
California	555	363	52.7	--	--	313	242	--	--	242	121
Oregon	801	721	11.0	801	721	--	--	--	--	--	--
Washington	1,432	1,956	-26.8	--	--	1,401	1,913	--	--	31	42
Pacific Noncontiguous	**671**	**593**	**13.2**	**NM**	**NM**	**366**	**331**	**205**	**194**	**35**	**--**
Alaska	337	332	1.5	NM	NM	NM	NM	205	194	--	--
Hawaii	334	261	28.1	--	--	299	261	--	--	35	--
U.S. Total	**309,926**	**314,428**	**-1.4**	**219,694**	**225,490**	**83,082**	**80,894**	**614**	**650**	**6,536**	**7,394**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011 and 2010
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**151**	**87**	**73.1**	**NM**	**NM**	**NM**	**21**	**NM**	**NM**	**85**	**48**
Connecticut	NM	NM	--	NM	NM	NM	9	--	--	NM	NM
Maine	89	44	105.0	NM	NM	NM	NM	NM	NM	68	42
Massachusetts	38	NM	--	NM	NM	NM	NM	NM	NM	NM	NM
New Hampshire	NM	NM	--	NM	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**257**	**84**	**206.7**	**17**	**NM**	**217**	**57**	**NM**	**NM**	**21**	**NM**
New Jersey	NM	NM	--	NM	NM	NM	NM	NM	NM	NM	NM
New York	126	38	235.6	17	NM	93	NM	NM	NM	15	NM
Pennsylvania	124	41	201.7	NM	NM	119	38	NM	NM	NM	NM
East North Central	**146**	**120**	**21.3**	**117**	**76**	**12**	**34**	**NM**	**NM**	**NM**	**NM**
Illinois	11	18	-38.0	4	4	7	14	NM	NM	NM	NM
Indiana	27	24	13.9	24	21	NM	NM	NM	NM	2	2
Michigan	48	34	43.3	42	28	NM	NM	NM	NM	NM	NM
Ohio	50	42	17.0	42	21	4	19	--	--	NM	NM
Wisconsin	10	NM	--	6	NM	NM	NM	NM	NM	NM	NM
West North Central	**52**	**69**	**-25.2**	**46**	**66**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
Iowa	14	7	95.8	14	7	NM	NM	NM	NM	NM	NM
Kansas	6	NM	--	6	NM	--	--	--	NM	--	--
Minnesota	NM	NM	--	NM	5	NM	NM	NM	NM	NM	NM
Missouri	8	40	-78.9	8	40	--	--	NM	NM	NM	NM
Nebraska	7	3	152.2	7	3	--	--	--	--	--	--
North Dakota	NM	8	--	NM	8	--	--	NM	NM	NM	NM
South Dakota	4	NM	--	4	NM	NM	NM	NM	NM	--	--
South Atlantic	**988**	**268**	**269.4**	**789**	**121**	**41**	**23**	**NM**	**NM**	**157**	**122**
Delaware	6	NM	--	NM	NM	6	NM	--	--	--	NM
District of Columbia	--	3	--	--	--	--	3	--	--	--	--
Florida	666	74	800.6	608	46	NM	6	--	--	NM	NM
Georgia	52	46	13.1	11	12	--	--	NM	NM	41	34
Maryland	17	10	65.7	NM	NM	14	9	NM	NM	3	1
North Carolina	51	46	12.5	23	19	NM	NM	NM	NM	28	NM
South Carolina	43	49	-11.9	23	16	--	--	NM	NM	20	33
Virginia	145	NM	--	119	5	NM	NM	*	--	NM	NM
West Virginia	7	24	-72.3	5	24	NM	1	--	--	--	--
East South Central	**102**	**65**	**57.6**	**37**	**38**	**NM**	**NM**	**--**	**--**	**64**	**NM**
Alabama	71	31	125.8	13	8	NM	NM	--	--	57	NM
Kentucky	20	24	-18.3	20	24	--	--	--	--	--	--
Mississippi	NM	NM	--	NM	2	--	--	--	--	NM	NM
Tennessee	NM	NM	--	4	3	--	--	--	--	NM	NM
West South Central	**55**	**47**	**17.0**	**12**	**17**	**14**	**9**	**NM**	**NM**	**NM**	**NM**
Arkansas	NM	8	--	NM	6	2	--	--	--	NM	NM
Louisiana	25	NM	--	6	NM	2	*	--	--	NM	NM
Oklahoma	NM	NM	--	NM	NM	--	--	NM	NM	NM	NM
Texas	23	28	-16.1	5	9	10	9	NM	NM	NM	NM
Mountain	**34**	**50**	**-32.9**	**29**	**45**	**3**	**4**	**NM**	**NM**	**NM**	**NM**
Arizona	7	15	-53.1	7	15	--	--	NM	NM	NM	NM
Colorado	NM	NM	--	NM	NM	NM	NM	NM	NM	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	NM	4	--	NM	NM	2	3	--	--	NM	NM
Nevada	1	NM	--	NM	NM	1	*	--	--	--	--
New Mexico	6	16	-60.3	6	16	--	--	--	--	NM	NM
Utah	NM	7	--	NM	7	--	--	--	--	--	--
Wyoming	10	5	78.8	9	5	--	--	--	--	NM	NM
Pacific Contiguous	**NM**	**NM**	**--**	**10**	**NM**	**NM**	**2**	**NM**	**NM**	**NM**	**NM**
California	NM	NM	--	NM	NM	NM	NM	NM	NM	*	*
Oregon	NM	NM	--	5	--	--	--	--	--	NM	NM
Washington	NM	NM	--	NM	NM	NM	2	NM	NM	NM	NM
Pacific Noncontiguous	**1,083**	**1,161**	**-6.7**	**818**	**928**	**208**	**191**	**NM**	**NM**	**55**	**39**
Alaska	106	129	-17.9	98	121	--	--	NM	NM	NM	NM
Hawaii	977	1,032	-5.3	720	807	208	191	NM	1	49	33
U.S. Total	**2,893**	**1,965**	**47.2**	**1,887**	**1,316**	**534**	**342**	**29**	**24**	**443**	**284**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**829**	**832**	**-.4**	**62**	**78**	**384**	**417**	**65**	**NM**	**317**	**285**
Connecticut	90	46	98.0	NM	NM	77	32	--	--	NM	NM
Maine	435	233	86.5	NM	NM	170	8	NM	NM	261	222
Massachusetts	244	500	-51.1	41	59	137	377	NM	NM	NM	NM
New Hampshire	NM	NM	--	9	8	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
Vermont	NM	NM	--	NM	NM	--	--	--	--	--	--
Middle Atlantic	**1,283**	**1,115**	**15.1**	**464**	**644**	**697**	**357**	**NM**	**NM**	**114**	**91**
New Jersey	281	161	74.3	195	123	78	32	NM	NM	NM	NM
New York	706	717	-1.5	269	521	343	110	NM	NM	89	NM
Pennsylvania	296	237	25.1	NM	NM	276	215	NM	NM	NM	NM
East North Central	**619**	**547**	**13.2**	**481**	**338**	**73**	**145**	**NM**	**15**	**NM**	**NM**
Illinois	50	96	-47.9	18	18	32	78	NM	NM	NM	NM
Indiana	109	99	10.7	91	89	NM	NM	NM	NM	14	8
Michigan	187	152	22.8	163	121	NM	NM	NM	12	NM	NM
Ohio	246	171	44.1	193	91	38	62	--	--	NM	NM
Wisconsin	26	NM	--	17	20	NM	2	NM	NM	NM	NM
West North Central	**224**	**269**	**-16.5**	**202**	**244**	**NM**	**4**	**NM**	**NM**	**NM**	**NM**
Iowa	40	58	-31.5	39	57	NM	NM	NM	NM	NM	NM
Kansas	31	31	-1.7	31	31	--	--	--	NM	--	--
Minnesota	NM	37	--	NM	22	NM	3	NM	NM	NM	NM
Missouri	63	87	-27.4	61	86	--	--	NM	NM	NM	NM
Nebraska	24	19	28.2	24	19	--	--	--	--	--	--
North Dakota	NM	NM	--	21	27	--	--	NM	NM	NM	NM
South Dakota	NM	NM	--	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	**3,652**	**4,620**	**-20.9**	**2,562**	**3,035**	**250**	**606**	**NM**	**NM**	**836**	**972**
Delaware	83	23	261.5	NM	NM	34	22	--	--	49	NM
District of Columbia	*	10	--	--	--	*	10	--	--	--	--
Florida	1,920	2,993	-35.9	1,649	2,499	53	268	--	--	218	226
Georgia	283	346	-18.3	83	80	4	29	NM	NM	196	235
Maryland	169	144	16.7	NM	NM	83	130	NM	NM	82	12
North Carolina	220	335	-34.5	98	178	NM	NM	NM	NM	119	152
South Carolina	204	283	-27.9	81	88	--	--	NM	NM	123	195
Virginia	645	399	61.8	542	103	52	140	3	3	NM	152
West Virginia	129	86	49.7	108	85	21	2	--	--	--	--
East South Central	**513**	**565**	**-9.2**	**204**	**212**	**10**	**28**	**--**	**--**	**299**	**325**
Alabama	318	421	-24.4	36	92	10	28	--	--	272	301
Kentucky	90	94	-3.5	90	94	--	--	--	--	--	--
Mississippi	53	NM	--	46	4	--	--	--	--	NM	NM
Tennessee	51	NM	--	31	22	--	--	--	--	NM	NM
West South Central	**270**	**309**	**-12.8**	**93**	**168**	**58**	**32**	**NM**	**NM**	**109**	**102**
Arkansas	35	NM	--	5	19	16	--	--	--	NM	NM
Louisiana	104	196	-46.8	28	131	8	8	--	--	68	NM
Oklahoma	NM	NM	--	NM	NM	--	--	NM	NM	NM	NM
Texas	123	79	56.0	57	15	34	24	NM	NM	NM	NM
Mountain	**151**	**163**	**-7.5**	**133**	**145**	**12**	**14**	**NM**	**NM**	**NM**	**NM**
Arizona	36	51	-29.3	35	50	--	--	NM	NM	NM	NM
Colorado	17	15	13.0	16	15	NM	NM	NM	NM	NM	NM
Idaho	NM	NM	--	NM	NM	--	--	--	--	--	--
Montana	12	13	-12.5	NM	NM	11	12	--	--	NM	NM
Nevada	7	5	37.1	6	4	1	2	--	--	--	--
New Mexico	22	35	-37.7	22	35	--	--	--	--	NM	NM
Utah	20	19	4.9	20	19	--	--	--	--	--	--
Wyoming	36	24	53.9	34	21	--	--	--	--	NM	NM
Pacific Contiguous	**84**	**111**	**-24.2**	**28**	**31**	**10**	**10**	**NM**	**NM**	**NM**	**NM**
California	19	31	-37.9	17	28	NM	2	NM	NM	1	1
Oregon	NM	NM	--	5	--	--	--	--	--	NM	NM
Washington	NM	77	--	NM	NM	9	7	NM	NM	NM	NM
Pacific Noncontiguous	**4,726**	**5,103**	**-7.4**	**3,760**	**4,257**	**729**	**625**	**NM**	**12**	**224**	**209**
Alaska	575	613	-6.3	536	576	--	--	NM	11	NM	26
Hawaii	4,151	4,490	-7.6	3,224	3,680	729	625	NM	1	197	184
U.S. Total	**12,350**	**13,633**	**-9.4**	**7,989**	**9,152**	**2,225**	**2,238**	**133**	**130**	**2,003**	**2,113**

* = 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 2010 and 2011 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, April 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	--	--	--	NM	NM	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	NM	--	--	--	NM	NM	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	NM	NM	--	NM	NM	4	2	--	--	NM	NM
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	4	2	--	--	NM	NM
Ohio	NM	NM	--	--	--	--	--	--	--	NM	NM
Wisconsin	22	NM	--	7	7	--	--	--	--	NM	NM
West North Central	NM	7	--	1	6	--	--	NM	1	--	--
Iowa	NM	3	--	1	3	--	--	NM	1	--	--
Kansas	--	4	--	--	4	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	88	192	-54.3	78	172	--	--	--	--	9	19
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	78	172	-54.5	78	172	--	--	--	--	--	--
Georgia	9	19	-52.5	--	--	--	--	--	--	9	19
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	28	55	-48.5	28	55	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	28	55	-48.5	28	55	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	152	130	16.9	113	107	NM	2	--	--	NM	NM
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	128	127	.7	113	107	--	--	--	--	NM	NM
Oklahoma	NM	NM	--	--	--	--	--	--	--	NM	NM
Texas	NM	NM	--	--	--	NM	2	--	--	NM	NM
Mountain	26	26	-1.9	--	--	26	26	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	26	26	-1.9	--	--	26	26	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	NM	--	--	--	NM	NM	--	--	NM	NM
California	NM	NM	--	--	--	NM	NM	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	383	518	-26.1	229	348	84	72	*	1	70	98

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**NM**	--	--	--	**NM**	**NM**	--	--	**NM**	**NM**
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	NM	--	--	--	NM	NM	--	--	--	--
Pennsylvania	NM	NM	--	--	--	NM	NM	--	--	NM	NM
East North Central	**187**	**NM**	--	**47**	**NM**	**5**	**2**	--	--	**135**	**NM**
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	--	NM	NM	5	2	--	--	NM	NM
Ohio	NM	NM	--	--	--	--	--	--	--	NM	NM
Wisconsin	107	NM	--	45	37	--	--	--	--	62	NM
West North Central	**NM**	**34**	--	**4**	**29**	--	--	**NM**	**5**	--	--
Iowa	NM	19	--	1	15	--	--	NM	5	--	--
Kansas	3	13	-79.1	3	13	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	1	--	--	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**356**	**596**	**-40.4**	**293**	**549**	--	--	--	--	**63**	**47**
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	293	540	-45.8	293	540	--	--	--	--	--	--
Georgia	63	47	33.0	--	--	--	--	--	--	63	47
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	9	--	--	9	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	**116**	**265**	**-56.0**	**116**	**265**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	116	265	-56.0	116	265	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	**552**	**425**	**29.8**	**466**	**254**	**NM**	**94**	--	--	**NM**	**NM**
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	526	NM	--	466	254	--	--	--	--	NM	NM
Oklahoma	NM	NM	--	--	--	--	--	--	--	NM	NM
Texas	NM	97	--	--	--	NM	94	--	--	NM	NM
Mountain	**86**	**101**	**-14.4**	--	--	**86**	**101**	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	86	101	-14.4	--	--	86	101	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**161**	**NM**	--	--	--	**125**	**NM**	--	--	**NM**	**NM**
California	161	NM	--	--	--	125	NM	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**1,488**	**1,834**	**-18.9**	**926**	**1,137**	**242**	**357**	**4**	**5**	**316**	**336**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**37,650**	**26,144**	**44.0**	**222**	**83**	**34,675**	**22,861**	**792**	**765**	**1,962**	**2,435**
Connecticut	7,531	4,351	73.1	*	--	7,040	3,903	68	64	422	385
Maine	4,450	3,477	28.0	--	--	3,325	1,809	NM	NM	1,123	1,668
Massachusetts	17,710	13,311	33.0	222	80	16,592	12,380	508	494	389	358
New Hampshire	4,027	717	461.9	--	*	4,000	691	--	--	NM	25
Rhode Island	3,932	4,285	-8.2	--	--	3,719	4,078	214	207	--	--
Vermont	*	3	--	*	3	--	--	--	--	--	--
Middle Atlantic	**69,530**	**59,225**	**17.4**	**7,681**	**9,000**	**59,400**	**47,977**	**583**	**588**	**1,867**	**1,660**
New Jersey	16,537	13,714	20.6	--	--	15,731	12,965	136	126	670	623
New York	30,531	28,613	6.7	7,676	8,997	22,020	18,797	387	414	448	405
Pennsylvania	22,462	16,898	32.9	5	3	21,648	16,215	60	48	748	632
East North Central	**25,067**	**16,405**	**52.8**	**6,890**	**2,352**	**14,502**	**10,487**	**880**	**840**	**2,794**	**2,727**
Illinois	3,302	2,313	42.8	110	90	1,978	1,134	572	497	642	591
Indiana	8,046	3,725	116.0	4,426	617	2,284	1,678	86	79	1,251	1,351
Michigan	6,737	6,055	11.3	721	511	5,471	5,131	40	15	506	399
Ohio	3,910	2,453	59.4	232	261	3,534	2,051	--	--	145	142
Wisconsin	3,071	1,858	65.3	1,402	873	1,236	494	182	249	251	243
West North Central	**6,200**	**4,686**	**32.3**	**4,423**	**3,440**	**973**	**385**	**137**	**180**	**667**	**682**
Iowa	570	598	-4.7	327	329	NM	--	NM	NM	215	245
Kansas	1,928	1,288	49.6	1,928	1,288	--	--	--	--	--	--
Minnesota	1,910	1,962	-2.6	971	1,130	458	334	109	154	373	344
Missouri	1,574	603	161.2	1,051	547	515	50	*	2	NM	NM
Nebraska	105	87	20.4	104	87	NM	NM	NM	NM	--	--
North Dakota	72	89	-19.3	NM	--	--	--	--	--	70	89
South Dakota	41	59	-30.3	41	59	--	--	--	--	--	--
South Atlantic	**131,993**	**95,972**	**37.5**	**103,367**	**78,809**	**24,771**	**13,673**	**NM**	**NM**	**3,545**	**3,197**
Delaware	3,373	1,135	197.3	12	7	3,362	1,113	--	--	--	15
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	94,588	71,752	31.8	83,555	64,843	9,164	5,102	NM	NM	1,562	1,515
Georgia	15,581	9,206	69.2	7,569	5,381	6,940	2,972	--	--	1,071	852
Maryland	1,652	1,627	1.5	--	--	1,451	1,419	NM	--	200	208
North Carolina	3,900	3,257	19.7	2,878	2,653	876	472	NM	NM	NM	NM
South Carolina	7,356	4,495	63.7	6,449	3,505	767	870	NM	NM	140	120
Virginia	5,409	4,364	23.9	2,891	2,406	2,177	1,686	--	--	NM	NM
West Virginia	134	136	-1.8	13	14	34	39	--	--	87	83
East South Central	**39,801**	**31,566**	**26.1**	**22,960**	**17,457**	**13,581**	**11,691**	**NM**	**NM**	**3,099**	**2,274**
Alabama	20,065	15,378	30.5	8,101	6,798	10,004	7,088	--	--	1,959	1,492
Kentucky	1,389	630	120.4	945	349	13	21	--	--	431	260
Mississippi	16,260	15,190	7.0	12,228	10,145	3,563	4,582	NM	NM	NM	NM
Tennessee	2,088	368	467.4	1,686	165	--	--	128	113	273	90
West South Central	**219,327**	**191,019**	**14.8**	**56,343**	**44,872**	**99,213**	**87,320**	**611**	**606**	**63,160**	**58,221**
Arkansas	6,490	3,857	68.2	1,364	37	4,355	3,055	NM	NM	NM	765
Louisiana	48,301	37,857	27.6	21,343	12,609	4,685	4,507	NM	NM	22,225	20,695
Oklahoma	17,354	17,466	-.6	12,151	13,646	4,697	3,351	NM	NM	NM	NM
Texas	147,182	131,839	11.6	21,485	18,581	85,477	76,406	432	434	39,787	36,419
Mountain	**39,164**	**47,337**	**-17.3**	**21,617**	**21,373**	**NM**	**24,597**	**NM**	**NM**	**NM**	**1,232**
Arizona	11,694	15,265	-23.4	5,854	4,920	NM	10,265	NM	NM	NM	NM
Colorado	NM	6,938	--	2,748	1,262	NM	5,654	--	--	NM	NM
Idaho	801	1,401	-42.8	91	157	435	1,142	--	--	275	102
Montana	83	82	1.6	NM	NM	NM	47	--	--	52	NM
Nevada	NM	13,829	--	7,829	8,449	NM	5,220	--	--	NM	NM
New Mexico	NM	5,068	--	2,466	3,015	NM	1,995	NM	NM	NM	NM
Utah	NM	3,953	--	2,585	3,525	189	273	NM	NM	NM	NM
Wyoming	683	801	-14.7	37	44	NM	NM	--	--	641	756
Pacific Contiguous	**NM**	**90,625**	**--**	**13,653**	**24,360**	**NM**	**51,464**	**NM**	**2,386**	**NM**	**12,415**
California	NM	71,482	--	12,651	14,132	NM	43,159	NM	2,240	NM	11,950
Oregon	2,932	9,956	-70.5	421	4,087	2,330	5,532	--	--	181	337
Washington	1,918	9,187	-79.1	581	6,141	886	2,773	97	145	354	128
Pacific Noncontiguous	**3,603**	**3,450**	**4.4**	**3,553**	**3,377**	**--**	**--**	**--**	**--**	**50**	**72**
Alaska	3,603	3,450	4.4	3,553	3,377	--	--	--	--	50	72
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**629,453**	**566,430**	**11.1**	**240,709**	**205,123**	**292,945**	**270,453**	**5,779**	**5,937**	**90,020**	**84,916**

* = 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 2010 and 2011 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 April 2011 and 2010

(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	**153,572**	**114,527**	**34.1**	**830**	**315**	**138,861**	**100,415**	**3,818**	**3,686**	**10,063**	**10,112**
Connecticut	31,117	22,125	40.6	6	--	29,110	20,272	282	266	1,719	1,587
Maine	15,617	16,295	-4.2	--	--	8,970	9,349	NM	NM	6,641	6,943
Massachusetts	71,589	51,394	39.3	553	121	66,820	47,265	2,623	2,530	1,593	1,478
New Hampshire	15,894	7,441	113.6	257	176	15,528	7,161	--	--	110	103
Rhode Island	19,341	17,255	12.1	--	--	18,434	16,368	907	888	--	--
Vermont	14	18	-20.4	14	18	--	--	--	--	--	--
Middle Atlantic	**270,169**	**217,422**	**24.3**	**36,254**	**37,672**	**223,411**	**169,633**	**2,605**	**2,634**	**7,900**	**7,484**
New Jersey	59,998	54,065	11.0	--	--	56,678	50,925	559	526	2,761	2,613
New York	122,105	108,924	12.1	36,236	37,660	82,105	67,535	1,820	1,921	1,944	1,809
Pennsylvania	88,066	54,433	61.8	NM	12	84,627	51,172	226	187	3,195	3,061
East North Central	**123,635**	**78,003**	**58.5**	**32,027**	**17,052**	**75,950**	**45,750**	**4,106**	**4,076**	**11,552**	**11,126**
Illinois	14,308	10,585	35.2	300	425	8,733	5,089	2,650	2,566	2,626	2,504
Indiana	34,370	18,589	84.9	18,195	3,434	10,303	9,394	364	330	5,508	5,431
Michigan	35,092	25,516	37.5	1,866	2,536	31,518	21,355	163	168	1,545	1,457
Ohio	25,499	7,585	236.2	5,923	1,196	18,954	5,848	--	--	623	542
Wisconsin	14,365	15,727	-8.7	5,743	9,461	6,443	4,063	928	1,011	1,251	1,191
West North Central	**28,941**	**28,285**	**2.3**	**21,894**	**22,289**	**3,375**	**2,277**	**689**	**745**	**2,982**	**2,974**
Iowa	3,028	3,316	-8.7	1,915	2,167	NM	NM	116	107	997	1,041
Kansas	6,711	6,651	.9	6,711	6,651	--	--	--	--	--	--
Minnesota	8,962	9,184	-2.4	5,040	5,913	1,743	1,095	559	626	1,619	1,551
Missouri	9,111	8,089	12.6	7,440	6,882	1,631	1,182	12	11	NM	NM
Nebraska	579	505	14.6	577	504	NM	NM	NM	NM	--	--
North Dakota	347	369	-5.9	NM	NM	--	--	--	--	339	368
South Dakota	203	172	18.2	203	172	--	--	--	--	--	--
South Atlantic	**453,900**	**387,184**	**17.2**	**348,592**	**307,034**	**88,965**	**64,843**	**1,260**	**1,244**	**15,082**	**14,064**
Delaware	8,531	3,694	131.0	44	30	8,487	3,601	--	--	--	NM
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	308,491	275,754	11.9	276,632	246,818	23,452	21,170	1,251	1,237	7,156	6,529
Georgia	49,599	44,125	12.4	22,535	21,601	22,988	18,542	--	--	4,077	3,982
Maryland	5,012	5,071	-1.1	--	--	4,192	4,217	NM	--	819	854
North Carolina	17,552	13,748	27.7	11,539	11,034	5,285	2,425	NM	NM	723	NM
South Carolina	27,150	16,482	64.7	24,073	13,537	2,678	2,707	NM	NM	397	238
Virginia	36,972	27,728	33.3	13,726	13,919	21,702	12,052	--	--	1,543	1,757
West Virginia	593	583	1.7	45	96	182	129	--	--	366	358
East South Central	**179,924**	**154,382**	**16.5**	**91,154**	**81,154**	**75,262**	**61,909**	**651**	**597**	**12,857**	**10,721**
Alabama	96,886	75,837	27.8	31,632	31,226	56,743	37,495	--	--	8,511	7,116
Kentucky	4,391	4,602	-4.6	2,796	3,090	47	281	--	--	1,548	1,231
Mississippi	71,158	71,481	-.5	50,760	45,273	18,472	24,133	NM	NM	1,796	1,946
Tennessee	7,488	2,462	204.1	5,966	1,566	--	--	520	468	1,002	429
West South Central	**818,388**	**791,888**	**3.3**	**200,360**	**187,230**	**365,907**	**352,463**	**2,444**	**2,680**	**249,678**	**249,515**
Arkansas	29,283	23,304	25.7	4,152	2,148	21,437	17,036	NM	NM	3,691	4,116
Louisiana	176,303	148,458	18.8	66,744	42,400	22,610	19,375	NM	NM	86,752	86,489
Oklahoma	70,220	77,742	-9.7	52,469	62,914	15,648	12,730	NM	NM	1,565	1,564
Texas	542,581	542,385	.0	76,996	79,768	306,211	303,321	1,705	1,948	157,670	157,348
Mountain	**151,754**	**185,658**	**-18.3**	**82,591**	**88,883**	**62,946**	**90,908**	**NM**	**NM**	**NM**	**5,318**
Arizona	40,092	47,973	-16.4	16,065	15,731	23,661	31,907	NM	NM	NM	NM
Colorado	26,346	33,063	-20.3	12,445	10,828	NM	22,142	NM	NM	NM	NM
Idaho	2,957	5,754	-48.6	472	576	1,538	4,578	--	--	948	600
Montana	345	361	-4.5	NM	NM	123	195	--	--	196	159
Nevada	45,461	55,989	-18.8	30,008	33,539	NM	21,837	--	--	NM	NM
New Mexico	20,637	22,203	-7.1	12,400	12,934	NM	9,041	NM	NM	NM	NM
Utah	12,523	16,889	-25.9	11,008	15,038	934	1,201	NM	NM	NM	NM
Wyoming	3,394	3,428	-1.0	168	229	NM	NM	--	--	3,206	3,193
Pacific Contiguous	**272,920**	**377,415**	**-27.7**	**62,069**	**98,344**	**154,039**	**218,139**	**NM**	**9,577**	**NM**	**51,355**
California	245,948	306,432	-19.7	54,457	62,559	137,758	185,714	NM	8,992	NM	49,167
Oregon	16,374	43,273	-62.2	2,953	16,353	12,448	25,479	--	--	972	1,441
Washington	10,598	27,709	-61.8	4,659	19,431	3,833	6,946	508	585	1,599	747
Pacific Noncontiguous	**13,844**	**13,677**	**1.2**	**13,584**	**13,383**	**--**	**--**	**--**	**--**	**260**	**294**
Alaska	13,844	13,677	1.2	13,584	13,383	--	--	--	--	260	294
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**2,467,046**	**2,348,442**	**5.1**	**889,354**	**853,357**	**1,188,715**	**1,106,334**	**25,076**	**25,787**	**363,900**	**362,963**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**W**	**3.33**	**W**	**3.75**	**5.01**	**W**	**3.08**
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.75	5.01	-25.1	3.75	5.01	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**2.70**	**2.52**	**7.3**	**NM**	**NM**	**2.70**	**2.52**
New Jersey	4.21	4.26	-1.2	NM	NM	4.19	4.25
New York	3.45	3.08	12.0	NM	NM	3.45	3.07
Pennsylvania	2.54	2.38	6.7	--	--	2.54	2.38
East North Central	**2.29**	**2.05**	**11.9**	**2.44**	**2.10**	**1.98**	**1.90**
Illinois	1.71	1.68	1.8	2.07	1.90	1.67	1.63
Indiana	W	W	W	2.41	2.14	W	W
Michigan	W	W	W	2.81	2.12	W	W
Ohio	2.43	2.21	10.0	2.24	2.09	3.04	2.67
Wisconsin	W	W	W	2.49	2.05	W	W
West North Central	**W**	**W**	**W**	**1.65**	**1.51**	**W**	**W**
Iowa	1.44	1.32	9.1	1.44	1.32	--	--
Kansas	1.75	1.52	15.1	1.75	1.52	--	--
Minnesota	W	W	W	1.88	1.75	W	W
Missouri	1.72	1.56	10.3	1.72	1.56	--	--
Nebraska	1.52	1.48	2.7	1.52	1.48	--	--
North Dakota	1.46	1.31	11.5	1.46	1.31	--	--
South Dakota	2.02	1.92	5.2	2.02	1.92	--	--
South Atlantic	**3.36**	**3.29**	**2.0**	**3.43**	**3.38**	**3.06**	**2.82**
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.71	3.49	6.3	3.68	3.48	3.98	3.78
Georgia	3.61	3.91	-7.7	3.61	3.91	--	--
Maryland	3.69	3.22	14.6	--	--	3.69	3.22
North Carolina	3.57	3.40	5.0	3.60	3.43	2.82	2.57
South Carolina	W	W	W	3.63	3.73	W	W
Virginia	3.49	3.31	5.4	3.49	3.32	3.44	3.24
West Virginia	2.37	W	W	2.48	2.43	2.17	W
East South Central	**W**	**W**	**W**	**2.58**	**2.49**	**W**	**W**
Alabama	W	W	W	2.83	2.80	W	W
Kentucky	2.32	2.24	3.6	2.32	2.24	--	--
Mississippi	W	W	W	3.89	2.99	W	W
Tennessee	2.61	2.49	4.8	2.61	2.49	--	--
West South Central	**1.85**	**1.91**	**-3.1**	**1.92**	**1.81**	**1.77**	**2.02**
Arkansas	W	1.75	W	1.93	1.75	W	--
Louisiana	W	W	W	2.63	2.39	W	W
Oklahoma	W	W	W	1.74	1.70	W	W
Texas	1.79	W	W	1.90	1.84	1.72	W
Mountain	**1.86**	**W**	**W**	**1.90**	**1.69**	**1.39**	**W**
Arizona	1.97	1.87	5.3	1.97	1.87	--	--
Colorado	W	W	W	1.71	1.53	W	W
Idaho	--	--	--	--	--	--	--
Montana	1.33	W	W	NM	1.50	1.32	W
Nevada	W	W	W	2.64	2.45	W	W
New Mexico	2.05	2.18	-6.0	2.05	2.18	--	--
Utah	W	W	W	1.96	1.55	W	W
Wyoming	W	W	W	1.72	1.29	W	W
Pacific	**2.51**	**2.17**	**15.9**	**1.77**	**1.63**	**2.75**	**2.35**
California	3.04	W	W	--	--	3.04	W
Oregon	1.79	1.65	8.5	1.79	1.65	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	NM	1.41	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	**2.37**	**2.28**	**3.9**	**2.40**	**2.29**	**2.29**	**2.23**

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 2010 and 2011 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 April 2011 and 2010

(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	**3.54**	**3.31**	**7.0**	**3.50**	**4.23**	**3.56**	**3.13**
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	2.89	W	--	--	W	2.89
New Hampshire	3.50	4.23	-17.3	3.50	4.23	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**2.67**	**2.52**	**6.1**	**NM**	**4.18**	**2.67**	**2.51**
New Jersey	4.22	4.28	-1.4	NM	NM	4.21	4.27
New York	3.20	2.89	10.7	NM	3.70	3.20	2.88
Pennsylvania	2.51	2.37	5.9	--	--	2.51	2.37
East North Central	**2.24**	**2.06**	**8.8**	**2.39**	**2.11**	**1.95**	**1.92**
Illinois	1.71	1.70	.6	2.07	1.92	1.67	1.66
Indiana	W	W	W	2.36	2.09	W	W
Michigan	W	W	W	2.69	2.20	W	W
Ohio	2.43	2.26	7.5	2.25	2.13	2.99	2.74
Wisconsin	W	W	W	2.45	2.03	W	W
West North Central	**W**	**W**	**W**	**1.60**	**1.47**	**W**	**W**
Iowa	1.40	1.29	8.5	1.40	1.29	--	--
Kansas	1.71	1.48	15.5	1.71	1.48	--	--
Minnesota	W	W	W	1.91	1.72	W	W
Missouri	1.68	1.57	7.0	1.68	1.57	--	--
Nebraska	1.46	1.43	2.1	1.46	1.43	--	--
North Dakota	1.29	1.21	6.6	1.29	1.21	--	--
South Dakota	2.05	1.92	6.8	2.05	1.92	--	--
South Atlantic	**3.38**	**3.34**	**1.2**	**3.45**	**3.43**	**3.05**	**2.85**
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.57	3.55	.6	3.53	3.54	3.99	3.66
Georgia	3.76	3.88	-3.1	3.76	3.88	--	--
Maryland	3.64	3.29	10.6	--	--	3.64	3.29
North Carolina	3.56	3.59	-.8	3.59	3.63	2.80	2.67
South Carolina	W	W	W	3.72	3.76	W	W
Virginia	3.45	3.26	5.8	3.43	3.25	3.57	3.28
West Virginia	2.39	W	W	2.50	2.46	2.19	W
East South Central	**W**	**W**	**W**	**2.56**	**2.51**	**W**	**W**
Alabama	W	W	W	2.75	2.80	W	W
Kentucky	2.29	2.25	1.8	2.29	2.25	--	--
Mississippi	W	W	W	3.86	3.13	W	W
Tennessee	2.66	2.54	4.7	2.66	2.54	--	--
West South Central	**1.87**	**1.88**	**-.9**	**1.90**	**1.82**	**1.83**	**1.96**
Arkansas	W	1.71	W	1.82	1.71	W	--
Louisiana	W	W	W	2.61	2.43	W	W
Oklahoma	W	W	W	1.72	1.67	W	W
Texas	1.84	W	W	1.90	1.85	1.80	W
Mountain	**W**	**W**	**W**	**1.80**	**1.66**	**W**	**W**
Arizona	1.92	1.84	4.3	1.92	1.84	--	--
Colorado	W	W	W	1.69	1.54	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.63	1.46	W	W
Nevada	W	W	W	2.59	2.44	W	W
New Mexico	2.00	2.15	-7.0	2.00	2.15	--	--
Utah	W	W	W	1.85	1.53	W	W
Wyoming	W	W	W	1.51	1.31	W	W
Pacific	**2.33**	**2.20**	**6.1**	**1.79**	**1.62**	**2.54**	**2.37**
California	W	W	W	--	--	W	W
Oregon	1.81	1.64	10.4	1.81	1.64	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	1.54	1.36	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	**2.34**	**2.26**	**3.5**	**2.36**	**2.27**	**2.27**	**2.23**

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 2010 and 2011 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, April 2011 and 2010

(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**20.96**	**17.51**	**19.7**	**21.60**	**15.96**	**20.78**	**18.31**
Connecticut	W	19.92	W	NM	15.21	W	20.01
Maine	W	W	W	NM	17.10	W	W
Massachusetts	22.94	16.85	36.1	21.56	15.92	23.87	17.52
New Hampshire	W	W	W	NM	17.71	W	W
Rhode Island	W	W	W	NM	15.69	W	W
Vermont	NM	NM	--	NM	NM	--	--
Middle Atlantic	**21.71**	**16.60**	**30.8**	**22.56**	**15.54**	**21.65**	**16.73**
New Jersey	21.13	15.12	39.7	NM	NM	21.12	15.11
New York	19.69	16.71	17.8	22.56	15.53	19.18	17.23
Pennsylvania	23.68	16.68	42.0	NM	16.14	23.68	16.68
East North Central	**W**	**17.29**	**W**	**23.71**	**17.17**	**W**	**17.56**
Illinois	W	18.64	W	25.16	18.54	W	18.68
Indiana	W	W	W	23.78	17.36	W	W
Michigan	W	W	W	22.84	16.60	W	W
Ohio	W	17.10	W	24.31	17.41	W	16.77
Wisconsin	W	W	W	24.55	18.19	W	W
West North Central	**24.42**	**17.17**	**42.2**	**24.42**	**17.17**	**NM**	**NM**
Iowa	W	W	W	24.73	16.99	W	W
Kansas	24.21	17.37	39.4	24.21	17.37	--	--
Minnesota	W	W	W	23.08	16.17	W	W
Missouri	23.77	17.04	39.5	23.77	17.04	--	--
Nebraska	24.31	17.30	40.5	24.31	17.30	--	--
North Dakota	NM	18.49	--	NM	18.49	--	--
South Dakota	W	W	W	25.88	17.33	W	W
South Atlantic	**18.85**	**15.55**	**21.2**	**18.67**	**15.66**	**22.47**	**14.93**
Delaware	25.40	17.31	46.7	NM	NM	25.40	17.32
District of Columbia	--	W	W	--	--	--	W
Florida	18.39	13.98	31.5	18.31	14.37	NM	10.99
Georgia	25.92	17.13	51.3	25.92	17.13	--	--
Maryland	21.33	16.24	31.3	NM	NM	21.30	16.22
North Carolina	25.33	W	W	24.93	16.59	NM	W
South Carolina	22.10	14.12	56.5	22.10	14.12	--	--
Virginia	17.95	15.57	15.3	17.88	14.45	18.49	17.09
West Virginia	26.35	W	W	25.80	17.99	27.77	W
East South Central	**W**	**W**	**W**	**25.21**	**17.33**	**W**	**W**
Alabama	W	W	W	24.08	16.12	W	W
Kentucky	26.19	17.85	46.7	26.19	17.85	--	--
Mississippi	NM	16.71	--	NM	16.71	--	--
Tennessee	23.91	16.82	42.2	23.91	16.82	--	--
West South Central	**W**	**W**	**W**	**22.39**	**16.85**	**W**	**W**
Arkansas	W	16.74	W	NM	16.74	W	--
Louisiana	W	W	W	22.78	18.31	W	W
Oklahoma	NM	16.83	--	NM	16.83	--	--
Texas	22.93	W	W	21.70	16.90	23.53	W
Mountain	**W**	**W**	**W**	**26.52**	**18.90**	**W**	**W**
Arizona	26.96	18.72	44.0	26.96	18.72	--	--
Colorado	W	W	W	NM	14.99	W	W
Idaho	NM	NM	--	NM	NM	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	26.27	NM	W	W
New Mexico	28.19	19.91	41.6	28.19	19.91	--	--
Utah	25.96	18.70	38.8	25.96	18.70	--	--
Wyoming	26.71	18.52	44.2	26.71	18.52	--	--
Pacific	**W**	**W**	**W**	**21.13**	**NM**	**W**	**W**
California	NM	NM	--	NM	NM	NM	NM
Oregon	25.29	--	--	25.29	--	--	--
Washington	W	W	W	NM	21.25	W	W
Alaska	25.17	17.20	46.3	25.17	17.20	--	--
Hawaii	W	W	W	20.59	13.94	W	W
U.S. Total	**20.74**	**15.09**	**37.4**	**20.48**	**15.04**	**21.67**	**15.29**

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 2010 and 2011 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 April 2011 and 2010

(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	**17.47**	**13.21**	**32.3**	**19.98**	**14.94**	**17.08**	**12.91**
Connecticut	W	18.48	W	20.75	16.92	W	18.60
Maine	W	W	W	NM	16.19	W	W
Massachusetts	19.28	W	W	19.70	14.79	19.15	W
New Hampshire	W	W	W	21.60	15.52	W	W
Rhode Island	W	W	W	19.59	14.87	W	W
Vermont	19.41	NM	--	19.41	NM	--	--
Middle Atlantic	**18.76**	**13.24**	**41.7**	**17.10**	**12.20**	**19.92**	**15.22**
New Jersey	16.79	12.59	33.4	16.00	12.25	18.85	13.92
New York	18.05	12.62	43.0	17.89	12.19	18.17	14.78
Pennsylvania	22.50	15.65	43.8	NM	15.22	22.50	15.65
East North Central	**W**	**16.15**	**W**	**21.10**	**15.80**	**W**	**16.98**
Illinois	23.00	17.36	32.5	22.04	17.08	23.53	17.43
Indiana	W	W	W	21.01	16.17	W	W
Michigan	W	W	W	20.32	15.05	W	W
Ohio	21.56	16.31	32.2	21.68	16.21	20.93	16.45
Wisconsin	W	W	W	21.73	15.72	W	W
West North Central	**W**	**W**	**W**	**22.15**	**15.99**	**W**	**W**
Iowa	22.83	15.92	43.4	22.85	15.91	NM	NM
Kansas	21.80	15.36	41.9	21.80	15.36	--	--
Minnesota	W	W	W	21.45	15.64	W	W
Missouri	21.50	16.09	33.6	21.50	16.09	--	--
Nebraska	22.58	15.90	42.0	22.58	15.90	--	--
North Dakota	22.70	16.84	34.8	22.70	16.84	--	--
South Dakota	W	W	W	24.27	16.64	W	W
South Atlantic	**18.16**	**13.54**	**34.1**	**17.90**	**13.19**	**20.90**	**15.44**
Delaware	21.71	16.50	31.6	NM	NM	21.72	16.50
District of Columbia	W	W	W	--	--	W	W
Florida	17.68	12.96	36.4	17.53	12.71	22.57	15.50
Georgia	W	16.32	W	22.38	16.44	W	15.99
Maryland	19.21	15.26	25.9	NM	NM	19.18	15.25
North Carolina	22.90	15.54	47.4	22.53	15.59	NM	NM
South Carolina	19.75	14.99	31.8	19.75	14.99	--	--
Virginia	16.82	14.85	13.3	16.55	14.29	19.78	15.29
West Virginia	W	W	W	22.18	17.05	W	W
East South Central	**W**	**W**	**W**	**20.42**	**16.92**	**W**	**W**
Alabama	W	W	W	21.77	15.91	W	W
Kentucky	24.80	18.24	36.0	24.80	18.24	--	--
Mississippi	11.87	16.01	-25.9	11.87	16.01	--	--
Tennessee	20.26	15.57	30.1	20.26	15.57	--	--
West South Central	**W**	**11.58**	**W**	**18.27**	**10.78**	**W**	**16.12**
Arkansas	W	16.17	W	16.89	16.17	W	--
Louisiana	W	W	W	12.82	9.35	W	W
Oklahoma	21.07	16.05	31.3	21.07	16.05	--	--
Texas	21.46	W	W	21.12	16.55	22.05	W
Mountain	**W**	**17.57**	**W**	**23.14**	**17.65**	**W**	**16.67**
Arizona	23.57	17.88	31.8	23.57	17.88	--	--
Colorado	W	W	W	20.11	15.60	W	W
Idaho	NM	NM	--	NM	NM	--	--
Montana	W	W	W	NM	15.84	W	W
Nevada	W	W	W	22.27	17.00	W	W
New Mexico	24.58	19.39	26.8	24.58	19.39	--	--
Utah	23.81	17.87	33.2	23.81	17.87	--	--
Wyoming	22.93	15.61	46.9	22.93	15.61	--	--
Pacific	**W**	**W**	**W**	**19.06**	**13.91**	**W**	**W**
California	W	W	W	21.84	16.80	W	W
Oregon	25.29	--	--	25.29	--	--	--
Washington	W	W	W	26.60	20.38	W	W
Alaska	21.72	16.45	32.0	21.72	16.45	--	--
Hawaii	W	W	W	18.63	13.53	W	W
U.S. Total	**18.98**	**13.92**	**36.4**	**18.85**	**13.74**	**19.46**	**14.72**

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 2010 and 2011 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, April 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**W**	**W**	**--**	**--**	**NM**	**W**
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	**W**	**W**	**W**	**NM**	**1.65**	**W**	**W**
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	NM	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	1.67	1.56	7.1	1.67	1.56	--	--
West North Central	**.51**	**1.51**	**-66.3**	**.51**	**1.51**	**--**	**--**
Iowa	.51	1.95	-73.8	.51	1.95	--	--
Kansas	--	1.23	--	--	1.23	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**4.42**	**2.85**	**55.1**	**4.42**	**2.85**	**--**	**--**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.42	2.85	55.1	4.42	2.85	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**.49**	**.75**	**-34.7**	**.49**	**.75**	**--**	**--**
Alabama	--	--	--	--	--	--	--
Kentucky	.49	.75	-34.7	.49	.75	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**W**	**W**	**W**	**3.37**	**2.28**	**W**	**W**
Arkansas	--	--	--	--	--	--	--
Louisiana	3.37	2.28	47.8	3.37	2.28	--	--
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	**NM**	**2.12**	**--**	**--**	**--**	**NM**	**2.12**
California	NM	2.12	--	--	--	NM	2.12
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**2.88**	**2.15**	**34.0**	**3.31**	**2.30**	**1.70**	**1.42**

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 2010 and 2011 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 April 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**NM**	**W**	**W**	**--**	**--**	**NM**	**W**
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	**W**	**W**	**W**	**1.78**	**1.61**	**W**	**W**
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	NM	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	1.71	1.56	9.6	1.71	1.56	--	--
West North Central	**1.40**	**1.56**	**-10.5**	**1.40**	**1.56**	**--**	**--**
Iowa	.51	1.95	-73.8	.51	1.95	--	--
Kansas	1.76	1.21	45.5	1.76	1.21	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	1.21	--	--	1.21	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**4.23**	**2.76**	**53.4**	**4.23**	**2.76**	**--**	**--**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.23	2.79	51.6	4.23	2.79	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	.90	--	--	.90	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**.59**	**.77**	**-23.4**	**.59**	**.77**	**--**	**--**
Alabama	--	--	--	--	--	--	--
Kentucky	.59	.77	-23.4	.59	.77	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**W**	**W**	**W**	**3.25**	**2.10**	**W**	**W**
Arkansas	--	--	--	--	--	--	--
Louisiana	3.25	2.10	54.8	3.25	2.10	--	--
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	**2.71**	**1.95**	**39.0**	**--**	**--**	**2.71**	**1.95**
California	2.71	1.95	39.0	--	--	2.71	1.95
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**2.86**	**1.92**	**49.0**	**3.15**	**2.08**	**1.76**	**1.43**

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 2010 and 2011 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, April 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Apr 2011	Apr 2010	Percent Change	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**4.75**	**4.81**	**-1.3**	**5.18**	**4.67**	**4.75**	**4.81**
Connecticut	4.84	6.46	-25.1	22.07	--	4.84	6.46
Maine	W	W	W	--	--	W	W
Massachusetts	4.67	4.45	4.9	5.17	4.63	4.67	4.45
New Hampshire	W	W	W	--	9.84	W	W
Rhode Island	4.82	4.51	6.9	--	--	4.82	4.51
Vermont	9.26	5.44	70.2	9.26	5.44	--	--
Middle Atlantic	**5.05**	**4.81**	**5.1**	**4.96**	**4.63**	**5.06**	**4.84**
New Jersey	4.92	4.77	3.1	--	--	4.92	4.77
New York	5.33	4.98	7.0	4.96	4.63	5.46	5.15
Pennsylvania	4.77	4.54	5.1	NM	NM	4.77	4.54
East North Central	**4.83**	**4.81**	**.5**	**4.85**	**5.71**	**4.82**	**4.60**
Illinois	4.84	W	W	6.69	7.84	4.73	W
Indiana	4.57	4.63	-1.3	4.50	4.98	4.69	4.50
Michigan	4.97	4.75	4.6	4.91	5.38	4.98	4.68
Ohio	4.71	4.61	2.2	4.36	5.30	4.73	4.52
Wisconsin	5.35	W	W	5.85	6.34	4.79	W
West North Central	**5.36**	**5.92**	**-9.5**	**5.41**	**5.86**	**5.15**	**6.42**
Iowa	W	7.66	W	6.42	7.66	W	--
Kansas	4.74	5.04	-6.0	4.74	5.04	--	--
Minnesota	W	W	W	6.39	6.27	W	W
Missouri	W	W	W	5.22	5.90	W	W
Nebraska	W	W	W	7.41	6.27	W	W
North Dakota	NM	--	--	NM	--	--	--
South Dakota	NM	NM	--	NM	NM	--	--
South Atlantic	**5.65**	**5.84**	**-3.2**	**5.85**	**6.04**	**4.83**	**4.64**
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	5.95	6.12	-2.8	6.08	6.29	4.76	3.90
Georgia	4.73	4.70	.6	4.65	4.54	4.81	4.98
Maryland	5.24	5.10	2.7	--	--	5.24	5.10
North Carolina	W	W	W	6.33	6.02	W	W
South Carolina	W	W	W	4.36	4.43	W	W
Virginia	W	W	W	5.25	5.24	W	W
West Virginia	4.64	5.98	-22.4	NM	NM	4.37	6.35
East South Central	**4.61**	**4.46**	**3.4**	**4.59**	**4.44**	**4.65**	**4.50**
Alabama	4.66	4.48	4.0	4.63	4.38	4.68	4.58
Kentucky	W	W	W	6.85	7.21	W	W
Mississippi	W	W	W	4.42	4.38	W	W
Tennessee	4.40	4.59	-4.1	4.40	4.59	--	--
West South Central	**4.48**	**4.17**	**7.3**	**4.55**	**4.29**	**4.44**	**4.12**
Arkansas	4.61	W	W	5.12	4.26	4.45	W
Louisiana	4.43	4.17	6.2	4.46	4.21	4.31	4.06
Oklahoma	4.62	W	W	4.73	4.47	4.34	W
Texas	4.46	4.13	8.0	4.51	4.22	4.45	4.11
Mountain	**5.01**	**4.75**	**5.4**	**5.28**	**5.24**	**4.64**	**4.33**
Arizona	5.32	4.84	9.9	6.21	6.05	4.42	4.26
Colorado	5.09	4.59	10.9	5.40	5.31	4.89	4.44
Idaho	W	W	W	NM	NM	W	W
Montana	W	W	W	NM	NM	W	W
Nevada	4.80	4.98	-3.6	4.92	5.46	4.51	4.20
New Mexico	W	W	W	5.07	4.76	W	W
Utah	W	W	W	4.38	4.01	W	W
Wyoming	W	W	W	NM	NM	W	W
Pacific	**4.91**	**4.63**	**6.1**	**5.19**	**4.92**	**4.75**	**4.47**
California	4.85	4.64	4.5	5.10	5.02	4.73	4.52
Oregon	W	4.17	W	5.61	4.19	W	4.15
Washington	W	5.25	W	6.91	5.64	W	4.39
Alaska	5.19	4.07	27.5	5.19	4.07	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**4.96**	**4.79**	**3.5**	**5.26**	**5.22**	**4.71**	**4.46**

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 2010 and 2011 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 April 2011 and 2010

(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	**5.85**	**6.31**	**-7.4**	**7.60**	**6.14**	**5.84**	**6.31**
Connecticut	5.98	7.40	-19.2	13.50	--	5.98	7.40
Maine	W	W	W	--	--	W	W
Massachusetts	5.80	5.92	-2.0	7.59	5.80	5.78	5.92
New Hampshire	W	W	W	7.59	6.32	W	W
Rhode Island	5.99	6.01	-.3	--	--	5.99	6.01
Vermont	5.55	6.59	-15.8	5.55	6.59	--	--
Middle Atlantic	**5.81**	**6.25**	**-7.1**	**6.25**	**6.47**	**5.74**	**6.21**
New Jersey	5.80	6.21	-6.6	--	--	5.80	6.21
New York	6.16	6.53	-5.7	6.25	6.47	6.12	6.57
Pennsylvania	5.33	5.73	-7.0	NM	NM	5.33	5.73
East North Central	**4.79**	**5.69**	**-15.8**	**4.82**	**6.09**	**4.78**	**5.55**
Illinois	4.88	5.84	-16.4	9.32	8.71	4.73	5.60
Indiana	4.62	5.54	-16.6	4.55	5.74	4.73	5.47
Michigan	4.87	5.47	-11.0	5.11	6.42	4.86	5.36
Ohio	4.70	5.87	-19.9	4.60	6.15	4.74	5.81
Wisconsin	5.11	6.08	-16.0	5.59	6.01	4.69	6.25
West North Central	**5.45**	**6.43**	**-15.3**	**5.46**	**6.40**	**5.36**	**6.73**
Iowa	W	W	W	6.53	7.53	W	W
Kansas	4.88	5.99	-18.5	4.88	5.99	--	--
Minnesota	W	W	W	6.04	6.46	W	W
Missouri	W	W	W	5.20	6.32	W	W
Nebraska	W	W	W	7.30	7.74	W	W
North Dakota	NM	NM	--	NM	NM	--	--
South Dakota	5.11	NM	--	5.11	NM	--	--
South Atlantic	**5.71**	**6.69**	**-14.6**	**5.84**	**6.79**	**5.23**	**6.23**
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	5.87	6.82	-13.9	5.98	6.94	4.54	5.42
Georgia	4.97	5.84	-14.9	4.71	5.61	5.22	6.10
Maryland	6.06	6.67	-9.1	--	--	6.06	6.67
North Carolina	W	W	W	7.00	7.69	W	W
South Carolina	W	W	W	4.59	5.59	W	W
Virginia	5.96	7.14	-16.5	6.05	6.47	5.90	7.92
West Virginia	4.88	6.01	-18.8	5.21	5.44	4.80	6.45
East South Central	**4.63**	**5.49**	**-15.7**	**4.57**	**5.49**	**4.69**	**5.49**
Alabama	4.66	5.46	-14.7	4.57	5.40	4.70	5.51
Kentucky	W	W	W	7.16	7.15	W	W
Mississippi	W	W	W	4.40	5.39	W	W
Tennessee	4.80	6.65	-27.8	4.80	6.65	--	--
West South Central	**4.47**	**5.25**	**-14.7**	**4.56**	**5.38**	**4.43**	**5.17**
Arkansas	4.62	5.73	-19.4	5.46	8.07	4.46	5.43
Louisiana	4.43	5.32	-16.7	4.49	5.26	4.26	5.44
Oklahoma	4.65	5.49	-15.3	4.68	5.50	4.56	5.44
Texas	4.44	5.16	-14.0	4.48	5.27	4.43	5.13
Mountain	**5.06**	**5.80**	**-12.8**	**5.36**	**6.31**	**4.65**	**5.30**
Arizona	5.19	5.60	-7.3	6.31	6.83	4.43	4.99
Colorado	5.12	5.58	-8.2	5.26	5.66	4.98	5.54
Idaho	4.67	W	W	5.54	5.39	4.40	W
Montana	W	W	W	NM	NM	W	W
Nevada	5.11	6.41	-20.3	5.42	7.15	4.47	5.27
New Mexico	W	W	W	5.05	5.54	W	W
Utah	W	W	W	4.31	5.06	W	W
Wyoming	W	W	W	5.41	5.72	W	W
Pacific	**4.73**	**5.45**	**-13.3**	**5.08**	**5.62**	**4.56**	**5.37**
California	4.66	5.55	-16.0	5.00	5.76	4.53	5.48
Oregon	W	4.86	W	4.75	5.11	W	4.70
Washington	W	6.11	W	6.52	6.59	W	4.78
Alaska	4.98	4.18	19.1	4.98	4.18	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	**5.11**	**5.82**	**-12.2**	**5.29**	**6.12**	**4.97**	**5.58**

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 2010 and 2011 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, April 2011

(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**467**	**.9**	**8.4**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	4	.8	7.3	--	--	--	--	--	--
Massachusetts	332	.7	9.0	--	--	--	--	--	--
New Hampshire	132	1.5	7.0	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,290**	**2.6**	**9.7**	**214**	**.3**	**4.8**	**--**	**--**	**--**
New Jersey	116	1.6	10.2	--	--	--	--	--	--
New York	402	2.3	8.9	157	.3	4.9	--	--	--
Pennsylvania	2,772	2.7	9.7	56	.2	4.6	--	--	--
East North Central	**6,728**	**2.7**	**9.6**	**8,975**	**.3**	**4.9**	**--**	**--**	**--**
Illinois	305	3.0	9.6	4,441	.2	4.8	--	--	--
Indiana	2,692	2.7	9.1	800	.2	4.8	--	--	--
Michigan	500	1.3	9.6	1,693	.3	4.9	--	--	--
Ohio	2,940	3.0	10.1	335	.2	4.8	--	--	--
Wisconsin	291	1.6	8.5	1,705	.3	5.0	--	--	--
West North Central	**229**	**3.2**	**8.9**	**10,549**	**.3**	**5.3**	**1,547**	**.8**	**9.5**
Iowa	91	3.6	7.3	2,225	.3	5.1	--	--	--
Kansas	18	3.2	13.3	1,888	.4	5.1	--	--	--
Minnesota	10	2.0	10.5	1,680	.4	6.5	--	--	--
Missouri	110	3.0	9.4	3,302	.3	4.9	--	--	--
Nebraska	--	--	--	1,192	.3	5.1	--	--	--
North Dakota	--	--	--	99	.3	5.7	1,547	.8	9.5
South Dakota	--	--	--	164	.4	5.6	--	--	--
South Atlantic	**10,798**	**1.6**	**10.7**	**1,288**	**.3**	**4.8**	**--**	**--**	**--**
Delaware	45	.6	11.1	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,928	1.8	9.6	--	--	--	--	--	--
Georgia	1,246	1.2	10.8	1,222	.3	4.8	--	--	--
Maryland	796	1.5	10.2	29	.2	4.7	--	--	--
North Carolina	2,363	1.0	11.7	--	--	--	--	--	--
South Carolina	1,195	1.5	9.9	--	--	--	--	--	--
Virginia	866	1.0	10.1	--	--	--	--	--	--
West Virginia	2,359	2.6	11.5	38	.3	4.8	--	--	--
East South Central	**5,252**	**2.2**	**10.2**	**1,963**	**.3**	**5.0**	**288**	**.5**	**13.3**
Alabama	1,211	1.4	10.4	1,001	.3	5.0	--	--	--
Kentucky	2,976	2.7	10.4	229	.2	4.9	--	--	--
Mississippi	161	.9	9.7	82	.3	5.0	288	.5	13.3
Tennessee	904	1.8	9.4	652	.3	5.1	--	--	--
West South Central	**82**	**1.8**	**25.0**	**8,713**	**.3**	**5.1**	**4,060**	**1.0**	**16.5**
Arkansas	10	2.0	10.5	1,098	.3	4.9	--	--	--
Louisiana	33	2.9	8.5	930	.3	4.9	216	.6	13.4
Oklahoma	39	.8	42.9	1,671	.3	5.0	--	--	--
Texas	--	--	--	5,014	.3	5.2	3,844	1.0	16.6
Mountain	**2,615**	**.6**	**13.5**	**5,817**	**.6**	**9.7**	**24**	**.9**	**15.2**
Arizona	617	.7	10.8	1,324	.7	10.1	--	--	--
Colorado	308	.5	9.4	1,222	.3	5.6	--	--	--
Idaho	10	2.0	10.5	4	.3	5.7	--	--	--
Montana	--	--	--	571	.6	9.0	24	.9	15.2
Nevada	156	.4	10.8	121	.3	6.7	--	--	--
New Mexico	551	.7	23.2	660	.8	22.0	--	--	--
Utah	933	.6	11.5	27	1.1	8.8	--	--	--
Wyoming	41	2.0	10.5	1,887	.6	8.2	--	--	--
Pacific Contiguous	**145**	**.6**	**9.9**	**233**	**.4**	**7.6**	**--**	**--**	**--**
California	145	.6	9.9	--	--	--	--	--	--
Oregon	--	--	--	110	.4	4.9	--	--	--
Washington	--	--	--	124	.3	10.1	--	--	--
Pacific Noncontiguous	**129**	**.7**	**6.4**	**72**	**.3**	**5.7**	**--**	**--**	**--**
Alaska	--	--	--	72	.3	5.7	--	--	--
Hawaii	129	.7	6.4	--	--	--	--	--	--
U.S. Total	**29,734**	**2.0**	**10.5**	**37,824**	**.3**	**5.8**	**5,918**	**.9**	**14.5**

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011

(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**132**	**1.5**	**7.0**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	132	1.5	7.0	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**4**	**2.3**	**9.1**	**--**	**--**	**--**	**--**	**--**	**--**
New Jersey	*	1.6	10.2	--	--	--	--	--	--
New York	3	2.3	8.9	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	**5,724**	**2.7**	**9.6**	**4,267**	**.3**	**5.0**	**--**	**--**	**--**
Illinois	136	3.2	10.1	312	.2	4.8	--	--	--
Indiana	2,484	2.7	9.0	606	.3	4.9	--	--	--
Michigan	456	1.3	9.5	1,681	.3	4.9	--	--	--
Ohio	2,431	3.1	10.3	--	--	--	--	--	--
Wisconsin	218	1.5	8.4	1,669	.3	5.0	--	--	--
West North Central	**121**	**3.1**	**9.8**	**10,290**	**.3**	**5.3**	**1,547**	**.8**	**9.5**
Iowa	13	3.6	7.3	2,079	.3	5.1	--	--	--
Kansas	18	3.2	13.3	1,888	.4	5.1	--	--	--
Minnesota	4	2.0	10.5	1,597	.4	6.5	--	--	--
Missouri	86	3.0	9.4	3,302	.3	4.9	--	--	--
Nebraska	--	--	--	1,184	.3	5.1	--	--	--
North Dakota	--	--	--	75	.3	5.7	1,547	.8	9.5
South Dakota	--	--	--	164	.4	5.6	--	--	--
South Atlantic	**8,456**	**1.5**	**10.8**	**1,260**	**.3**	**4.8**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,723	1.9	9.3	--	--	--	--	--	--
Georgia	1,166	1.2	10.8	1,222	.3	4.8	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	2,226	1.0	11.7	--	--	--	--	--	--
South Carolina	1,158	1.6	9.9	--	--	--	--	--	--
Virginia	658	1.0	10.2	--	--	--	--	--	--
West Virginia	1,525	2.2	12.0	38	.3	4.8	--	--	--
East South Central	**5,056**	**2.2**	**10.2**	**1,963**	**.3**	**5.0**	**--**	**--**	**--**
Alabama	1,165	1.4	10.4	1,001	.3	5.0	--	--	--
Kentucky	2,976	2.7	10.4	229	.2	4.9	--	--	--
Mississippi	161	.9	9.7	82	.3	5.0	--	--	--
Tennessee	754	1.9	9.6	652	.3	5.1	--	--	--
West South Central	**33**	**2.9**	**8.5**	**5,590**	**.3**	**5.0**	**813**	**1.3**	**19.3**
Arkansas	--	--	--	950	.2	4.9	--	--	--
Louisiana	33	2.9	8.5	260	.2	5.1	215	.6	13.4
Oklahoma	--	--	--	1,582	.3	5.0	--	--	--
Texas	--	--	--	2,797	.3	5.1	597	1.6	21.5
Mountain	**2,538**	**.6**	**13.6**	**5,129**	**.6**	**9.9**	**24**	**.9**	**15.2**
Arizona	617	.7	10.8	1,298	.7	10.1	--	--	--
Colorado	286	.5	9.4	1,222	.3	5.6	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	24	.9	15.2
Nevada	156	.4	10.8	75	.3	7.6	--	--	--
New Mexico	551	.7	23.2	660	.8	22.0	--	--	--
Utah	929	.6	11.5	27	1.1	8.8	--	--	--
Wyoming	--	--	--	1,847	.6	8.2	--	--	--
Pacific Contiguous	**--**	**--**	**--**	**110**	**.4**	**4.9**	**--**	**--**	**--**
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	110	.4	4.9	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**10**	**.3**	**5.7**	**--**	**--**	**--**
Alaska	--	--	--	10	.3	5.7	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**22,064**	**1.9**	**10.6**	**28,619**	**.3**	**6.0**	**2,383**	**1.0**	**12.9**

* = 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 "*".)

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011

(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**330**	**.7**	**9.0**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	.8	6.8	--	--	--	--	--	--
Massachusetts	328	.7	9.0	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,187**	**2.7**	**9.6**	**187**	**.3**	**4.8**	**--**	**--**	**--**
New Jersey	115	1.6	10.2	--	--	--	--	--	--
New York	349	2.5	8.7	157	.3	4.9	--	--	--
Pennsylvania	2,722	2.7	9.7	30	.3	4.7	--	--	--
East North Central	**690**	**2.4**	**9.4**	**4,561**	**.2**	**4.7**	**--**	**--**	**--**
Illinois	26	1.8	11.0	4,019	.2	4.7	--	--	--
Indiana	181	2.9	10.8	195	.2	4.5	--	--	--
Michigan	15	1.5	11.4	9	.2	4.7	--	--	--
Ohio	467	2.2	8.7	335	.2	4.8	--	--	--
Wisconsin	--	--	--	4	.3	5.0	--	--	--
West North Central	**--**	**--**	**--**	**2**	**.4**	**6.5**	**--**	**--**	**--**
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	2	.4	6.5	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**1,996**	**2.1**	**10.4**	**29**	**.2**	**4.7**	**--**	**--**	**--**
Delaware	45	.6	11.1	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	173	1.1	11.8	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	759	1.5	9.7	29	.2	4.7	--	--	--
North Carolina	93	1.0	11.7	--	--	--	--	--	--
South Carolina	12	1.5	9.9	--	--	--	--	--	--
Virginia	99	.9	9.9	--	--	--	--	--	--
West Virginia	815	3.3	10.6	--	--	--	--	--	--
East South Central	**8**	**1.4**	**10.4**	**--**	**--**	**--**	**288**	**.5**	**13.3**
Alabama	8	1.4	10.4	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	288	.5	13.3
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	**39**	**.8**	**42.9**	**3,088**	**.3**	**5.1**	**3,247**	**.9**	**15.8**
Arkansas	--	--	--	148	.3	5.2	--	--	--
Louisiana	--	--	--	669	.3	4.8	--	--	--
Oklahoma	39	.8	42.9	54	.2	4.7	--	--	--
Texas	--	--	--	2,216	.3	5.3	3,247	.9	15.8
Mountain	**23**	**.5**	**9.4**	**658**	**.6**	**8.7**	**--**	**--**	**--**
Arizona	--	--	--	--	--	--	--	--	--
Colorado	23	.5	9.4	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	571	.6	9.0	--	--	--
Nevada	--	--	--	46	.3	5.3	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	41	.6	8.2	--	--	--
Pacific Contiguous	**78**	**.8**	**9.5**	**118**	**.3**	**10.4**	**--**	**--**	**--**
California	78	.8	9.5	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	118	.3	10.4	--	--	--
Pacific Noncontiguous	**120**	**.7**	**6.4**	**16**	**.3**	**5.7**	**--**	**--**	**--**
Alaska	--	--	--	16	.3	5.7	--	--	--
Hawaii	120	.7	6.4	--	--	--	--	--	--
U.S. Total	**6,471**	**2.3**	**9.9**	**8,659**	**.3**	**5.3**	**3,535**	**.9**	**15.6**

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011

(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	**4**	**2.5**	**9.2**	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	2	2.3	8.9	--	--	--	--	--	--
Pennsylvania	1	2.7	9.7	--	--	--	--	--	--
East North Central	**38**	**2.4**	**9.3**	--	--	--	--	--	--
Illinois	2	3.2	9.3	--	--	--	--	--	--
Indiana	19	2.7	9.1	--	--	--	--	--	--
Michigan	10	2.3	10.3	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin	7	1.6	8.5	--	--	--	--	--	--
West North Central	**30**	**3.4**	**7.7**	--	--	--	--	--	--
Iowa	21	3.6	7.3	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	9	3.0	8.8	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**8**	**1.0**	**10.7**	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	3	1.0	11.7	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	5	1.0	10.1	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	**5**	**1.8**	**9.4**	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	5	1.8	9.4	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	**45**	**.3**	**5.7**	--	--	--
Alaska	--	--	--	45	.3	5.7	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**84**	**2.6**	**8.9**	**45**	**.3**	**5.7**	--	--	--

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011

(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	**6**	**.7**	**8.7**	**--**	**--**	**--**	**--**	**--**	**--**
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	.8	7.9	--	--	--	--	--	--
Massachusetts	4	.7	9.0	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**96**	**1.9**	**10.4**	**26**	**.2**	**4.6**	**--**	**--**	**--**
New Jersey	--	--	--	--	--	--	--	--	--
New York	47	1.2	10.5	--	--	--	--	--	--
Pennsylvania	48	2.5	10.4	26	.2	4.6	--	--	--
East North Central	**276**	**2.6**	**9.2**	**147**	**.6**	**6.2**	**--**	**--**	**--**
Illinois	141	3.1	9.0	111	.7	6.5	--	--	--
Indiana	8	2.7	9.1	--	--	--	--	--	--
Michigan	19	1.2	9.6	4	.3	4.9	--	--	--
Ohio	42	3.4	10.4	--	--	--	--	--	--
Wisconsin	67	1.7	9.0	32	.3	5.2	--	--	--
West North Central	**79**	**3.4**	**7.9**	**257**	**.3**	**5.5**	**--**	**--**	**--**
Iowa	57	3.6	7.3	146	.2	5.0	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	6	2.0	10.5	81	.4	6.5	--	--	--
Missouri	15	3.0	9.4	--	--	--	--	--	--
Nebraska	--	--	--	7	.3	5.1	--	--	--
North Dakota	--	--	--	24	.3	5.7	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**337**	**1.3**	**11.8**	**--**	**--**	**--**	**--**	**--**	**--**
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	32	1.8	9.6	--	--	--	--	--	--
Georgia	79	1.1	11.6	--	--	--	--	--	--
Maryland	37	2.6	21.1	--	--	--	--	--	--
North Carolina	41	1.0	11.7	--	--	--	--	--	--
South Carolina	25	.8	8.8	--	--	--	--	--	--
Virginia	103	1.0	10.1	--	--	--	--	--	--
West Virginia	19	1.3	11.8	--	--	--	--	--	--
East South Central	**183**	**1.1**	**8.5**	**--**	**--**	**--**	**--**	**--**	**--**
Alabama	38	1.3	9.6	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	*	.9	9.7	--	--	--	--	--	--
Tennessee	145	1.0	8.2	--	--	--	--	--	--
West South Central	**10**	**2.0**	**10.5**	**34**	**.3**	**5.0**	*****	**.6**	**13.4**
Arkansas	10	2.0	10.5	--	--	--	--	--	--
Louisiana	*	2.9	8.5	--	--	--	*	.6	13.4
Oklahoma	--	--	--	34	.3	5.0	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	**55**	**1.9**	**10.3**	**31**	**.6**	**9.5**	**--**	**--**	**--**
Arizona	--	--	--	26	.7	10.1	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	10	2.0	10.5	4	.3	5.7	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	4	.4	8.1	--	--	--	--	--	--
Wyoming	41	2.0	10.5	--	--	--	--	--	--
Pacific Contiguous	**66**	**.4**	**10.4**	**6**	**.4**	**4.1**	**--**	**--**	**--**
California	66	.4	10.4	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	6	.4	4.1	--	--	--
Pacific Noncontiguous	**9**	**.7**	**6.4**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	9	.7	6.4	--	--	--	--	--	--
U.S. Total	**1,115**	**1.8**	**10.0**	**502**	**.4**	**5.8**	*****	**.6**	**13.4**

* = 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 and 2011 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, 1997 through April 2011
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation[1]	Other	All Sectors
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	**1,379,981**	**1,335,981**	**1,009,300**	**7,700**	**--**	**3,732,962**
2009						
January	136,080	109,523	75,003	774	--	321,379
February	115,536	99,358	71,304	672	--	286,869
March	106,544	102,646	73,913	671	--	283,773
April	91,473	100,020	73,662	611	--	265,766
May	94,180	105,215	75,198	599	--	275,193
June	114,347	114,752	75,246	611	--	304,956
July	137,681	121,608	78,045	674	--	338,009
August	138,447	123,662	82,298	644	--	345,051
September	115,372	115,027	80,022	638	--	311,059
October	98,522	108,635	79,584	607	--	287,348
November	92,722	98,646	75,917	592	--	267,877
December	123,570	108,076	77,251	688	--	309,585
Total	**1,364,474**	**1,307,168**	**917,442**	**7,781**	**--**	**3,596,865**
2010						
January	147,895	108,031	74,972	738	--	331,635
February	123,425	100,588	73,602	722	--	298,337
March	112,151	101,603	77,726	657	--	292,137
April	88,175	99,709	77,977	604	--	266,465
May	94,838	105,813	81,482	595	--	282,728
June	127,692	119,394	82,166	654	--	329,906
July	155,554	128,192	84,809	658	--	369,214
August	154,954	128,967	86,889	608	--	371,418
September	125,770	119,324	82,677	628	--	328,399
October	96,755	108,437	81,373	607	--	287,172
November	93,170	101,399	78,805	595	--	273,969
December	130,380	107,864	79,688	672	--	318,605
Total	**1,450,758**	**1,329,322**	**962,165**	**7,740**	**--**	**3,749,985**
2011						
January	146,431	107,908	78,934	697	--	333,969
February	121,729	99,357	75,566	650	--	297,302
March	105,476	103,551	81,263	657	--	290,947
April	94,799	100,725	79,359	619	--	275,502
Total	**468,435**	**411,540**	**315,121**	**2,623**	**--**	**1,197,720**
Year to Date						
2009	449,631	411,546	293,882	2,728	--	1,157,788
2010	471,645	409,931	304,277	2,721	--	1,188,573
2011	468,435	411,540	315,121	2,623	--	1,197,720
Rolling 12 Months Ending in April						
2010	1,386,488	1,305,552	927,837	7,773	--	3,627,651
2011	1,447,548	1,330,932	973,009	7,642	--	3,759,131

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Sales values for 1996-2011 include energy service provider (power marketer) data. • Values for 2009 and prior years are final. • Values for 2010 and 2011 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, 1997 through April 2011
(Million Dollars)

Period	Residential	Commercial	Industrial[1]	Transportation[1]	Other	All Sectors
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	**155,433**	**138,469**	**68,920**	**827**	**--**	**363,650**
2009						
January	14,902	10,912	5,164	81	--	31,058
February	12,882	10,077	4,916	70	--	27,945
March	12,038	10,269	4,994	71	--	27,371
April	10,531	9,912	4,930	64	--	25,438
May	11,082	10,595	5,108	67	--	26,852
June	13,496	12,011	5,323	65	--	30,896
July	16,316	12,881	5,533	74	--	34,804
August	16,552	13,041	5,822	68	--	35,483
September	13,792	12,035	5,535	68	--	31,430
October	11,484	11,050	5,282	66	--	27,883
November	10,473	9,681	4,881	62	--	25,097
December	13,462	10,476	5,015	72	--	29,025
Total	**157,008**	**132,940**	**62,504**	**828**	**--**	**353,280**
2010						
January	15,618	10,399	4,893	77	--	30,988
February	13,509	9,984	4,822	78	--	28,393
March	12,576	10,237	5,058	71	--	27,942
April	10,371	9,961	5,138	68	--	25,538
May	11,356	10,839	5,423	65	--	27,684
June	15,259	12,663	5,754	74	--	33,750
July	18,720	13,799	6,172	76	--	38,766
August	18,657	13,857	6,240	70	--	38,823
September	15,049	12,670	5,821	72	--	33,612
October	11,544	11,159	5,546	66	--	28,315
November	10,901	10,211	5,190	62	--	26,364
December	14,397	10,583	5,255	69	--	30,303
Total	**167,957**	**136,361**	**65,311**	**848**	**--**	**370,477**
2011						
January	16,092	10,663	5,312	73	--	32,141
February	13,638	10,044	5,074	71	--	28,827
March	12,280	10,402	5,352	71	--	28,104
April	11,176	10,137	5,221	64	--	26,598
Total	**53,186**	**41,246**	**20,959**	**279**	**--**	**115,670**
Year to Date						
2009	50,353	41,170	20,004	286	--	111,812
2010	52,075	40,580	19,911	294	--	112,860
2011	53,186	41,246	20,959	279	--	115,670
Rolling 12 Months Ending in April						
2010	158,730	132,350	62,411	837	--	354,328
2011	169,068	137,026	66,360	833	--	373,288

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Revenue values for 1996-2011 include energy service provider (power marketer) data. • Values for 2009 and prior years are final. • Values for 2010 and 2011 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, 1997 through April 2011
(Cents per Kilowatthour)

Period	Residential	Commercial	Industrial[1]	Transportation[1]	Other	All Sectors
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	**11.26**	**10.36**	**6.83**	**10.74**	**--**	**9.74**
2009						
January	10.95	9.96	6.88	10.42	--	9.66
February	11.15	10.14	6.89	10.47	--	9.74
March	11.30	10.00	6.76	10.55	--	9.65
April	11.51	9.91	6.69	10.48	--	9.57
May	11.77	10.07	6.79	11.18	--	9.76
June	11.80	10.47	7.07	10.69	--	10.13
July	11.85	10.59	7.09	11.02	--	10.30
August	11.96	10.55	7.07	10.61	--	10.28
September	11.95	10.46	6.92	10.61	--	10.10
October	11.66	10.17	6.64	10.84	--	9.70
November	11.30	9.81	6.43	10.50	--	9.37
December	10.89	9.69	6.49	10.47	--	9.38
Total	**11.51**	**10.17**	**6.81**	**10.65**	**--**	**9.82**
2010						
January	10.56	9.63	6.53	10.49	--	9.34
February	10.95	9.93	6.55	10.78	--	9.52
March	11.21	10.08	6.51	10.82	--	9.57
April	11.76	9.99	6.59	11.25	--	9.58
May	11.97	10.24	6.66	10.99	--	9.79
June	11.95	10.61	7.00	11.36	--	10.23
July	12.03	10.76	7.28	11.49	--	10.50
August	12.04	10.74	7.18	11.51	--	10.45
September	11.97	10.62	7.04	11.39	--	10.24
October	11.93	10.29	6.82	10.86	--	9.86
November	11.70	10.07	6.59	10.42	--	9.62
December	11.04	9.81	6.59	10.28	--	9.51
Total	**11.58**	**10.26**	**6.79**	**10.96**	**--**	**9.88**
2011						
January	10.99	9.88	6.73	10.52	--	9.62
February	11.20	10.11	6.72	10.85	--	9.70
March	11.64	10.05	6.59	10.85	--	9.66
April	11.79	10.06	6.58	10.33	--	9.65
Total	**11.35**	**10.02**	**6.65**	**10.64**	**--**	**9.66**
Year to Date						
2009	11.20	10.00	6.81	10.48	--	9.66
2010	11.04	9.90	6.54	10.82	--	9.50
2011	11.35	10.02	6.65	10.64	--	9.66
Rolling 12 Months Ending in April						
2010	11.45	10.14	6.73	10.76	--	9.77
2011	11.68	10.30	6.82	10.90	--	9.93

[1] See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
NA = Not available.
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 and 2011 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, April 2011 and 2010
(Million Kilowatthours)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**3,563**	**3,286**	**3,434**	**3,400**	**2,284**	**2,196**	**45**	**46**	**9,326**	**8,927**
Connecticut	969	896	988	1,032	275	301	14	16	2,246	2,245
Maine	333	315	302	307	265	236	--	--	901	858
Massachusetts	1,550	1,381	1,349	1,290	1,392	1,314	29	27	4,320	4,012
New Hampshire	356	333	357	349	157	155	--	--	870	837
Rhode Island	194	212	283	268	80	74	2	2	560	556
Vermont	161	150	156	155	113	115	--	--	429	420
Middle Atlantic	**9,641**	**8,693**	**12,093**	**12,192**	**5,662**	**5,537**	**339**	**319**	**27,735**	**26,740**
New Jersey	1,830	1,801	2,940	3,014	633	661	25	36	5,429	5,513
New York	3,905	3,360	5,832	5,626	1,132	1,092	249	213	11,118	10,291
Pennsylvania	3,906	3,532	3,320	3,552	3,898	3,784	65	69	11,189	10,936
East North Central	**12,509**	**11,598**	**13,521**	**13,663**	**15,992**	**15,910**	**41**	**42**	**42,063**	**41,214**
Illinois	3,033	2,857	3,800	3,835	3,486	3,450	36	38	10,356	10,179
Indiana	2,028	1,942	1,683	1,768	3,807	3,796	2	1	7,520	7,507
Michigan	2,414	2,169	2,910	2,908	2,444	2,453	*	*	7,768	7,530
Ohio	3,443	3,177	3,424	3,415	4,398	4,303	3	3	11,268	10,897
Wisconsin	1,590	1,454	1,704	1,738	1,857	1,908	--	--	5,152	5,100
West North Central	**6,799**	**6,500**	**7,370**	**7,470**	**7,024**	**7,006**	**3**	**3**	**21,197**	**20,979**
Iowa	942	909	891	908	1,524	1,559	--	--	3,358	3,376
Kansas	793	763	1,153	1,139	907	862	--	--	2,853	2,764
Minnesota	1,548	1,459	1,692	1,679	1,787	1,745	2	2	5,029	4,885
Missouri	2,136	2,066	2,258	2,335	1,403	1,407	2	1	5,799	5,809
Nebraska	644	643	659	704	843	924	--	--	2,145	2,271
North Dakota	359	314	377	363	359	321	--	--	1,095	997
South Dakota	377	348	340	341	201	188	--	--	918	877
South Atlantic	**23,451**	**21,316**	**23,817**	**22,970**	**11,786**	**11,375**	**109**	**110**	**59,163**	**55,771**
Delaware	327	293	321	322	203	207	--	2	851	824
District of Columbia	134	111	659	677	22	27	25	25	839	840
Florida	8,299	7,210	7,502	6,836	1,499	1,436	7	6	17,307	15,488
Georgia	3,565	3,466	3,631	3,525	2,639	2,526	14	13	9,849	9,531
Maryland	1,779	1,774	2,301	2,228	404	420	47	47	4,531	4,468
North Carolina	3,682	3,466	3,570	3,645	2,158	2,109	1	1	9,410	9,221
South Carolina	1,879	1,749	1,634	1,615	2,378	2,239	--	--	5,892	5,603
Virginia	3,003	2,538	3,621	3,552	1,519	1,469	15	16	8,158	7,574
West Virginia	783	710	578	570	965	942	*	*	2,327	2,222
East South Central	**7,678**	**7,430**	**6,307**	**6,223**	**10,021**	**10,298**	**--**	*****	**24,007**	**23,952**
Alabama	2,059	1,895	1,721	1,665	2,633	2,679	--	--	6,414	6,239
Kentucky	1,706	1,663	1,378	1,399	3,699	4,027	--	--	6,784	7,089
Mississippi	1,168	1,146	1,038	994	1,355	1,295	--	--	3,562	3,434
Tennessee	2,744	2,726	2,169	2,166	2,334	2,298	--	*	7,247	7,190
West South Central	**13,510**	**12,016**	**13,833**	**13,157**	**13,189**	**12,497**	**6**	**7**	**40,537**	**37,678**
Arkansas	1,146	1,084	895	867	1,401	1,350	*	*	3,442	3,301
Louisiana	1,997	1,806	1,859	1,712	2,461	2,325	1	1	6,319	5,844
Oklahoma	1,312	1,280	1,444	1,442	1,258	1,221	--	--	4,014	3,943
Texas	9,055	7,848	9,634	9,137	8,067	7,600	5	6	26,762	24,590
Mountain	**6,152**	**5,967**	**7,206**	**7,102**	**6,118**	**5,967**	**7**	**7**	**19,483**	**19,044**
Arizona	1,963	1,817	2,270	2,235	951	911	--	--	5,183	4,962
Colorado	1,263	1,266	1,584	1,577	1,096	1,076	4	4	3,947	3,923
Idaho	633	624	454	451	568	605	--	--	1,655	1,680
Montana	392	370	384	374	344	346	--	--	1,121	1,091
Nevada	641	627	664	636	1,072	1,024	1	1	2,377	2,288
New Mexico	414	453	705	693	556	525	--	--	1,675	1,671
Utah	621	590	800	783	758	629	2	3	2,181	2,004
Wyoming	224	220	346	353	773	851	--	--	1,343	1,424
Pacific Contiguous	**11,089**	**10,960**	**12,635**	**13,035**	**6,875**	**6,786**	**69**	**70**	**30,668**	**30,850**
California	6,263	6,421	9,023	9,495	3,610	3,610	67	67	18,962	19,593
Oregon	1,613	1,552	1,237	1,226	978	950	2	2	3,830	3,731
Washington	3,213	2,987	2,375	2,314	2,287	2,226	*	1	7,876	7,527
Pacific Noncontiguous	**406**	**407**	**509**	**496**	**408**	**406**	**--**	**--**	**1,323**	**1,309**
Alaska	169	167	229	228	108	113	--	--	506	509
Hawaii	237	240	280	268	300	292	--	--	817	800
U.S. Total	**94,799**	**88,175**	**100,725**	**99,709**	**79,359**	**77,977**	**619**	**604**	**275,502**	**266,465**

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

* = 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 and 2011 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 April 2011 and 2010

(Million Kilowatthours)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England	**16,642**	**16,009**	**14,498**	**14,505**	**9,029**	**8,992**	**205**	**200**	**40,374**	**39,706**
Connecticut	4,628	4,447	4,225	4,338	1,143	1,180	62	61	10,059	10,026
Maine	1,534	1,484	1,276	1,299	967	938	--	--	3,776	3,721
Massachusetts	7,118	6,820	5,706	5,641	5,522	5,482	133	129	18,479	18,072
New Hampshire	1,611	1,546	1,469	1,450	624	625	--	--	3,705	3,620
Rhode Island	982	968	1,163	1,128	304	298	10	10	2,458	2,404
Vermont	768	745	659	650	469	470	--	--	1,897	1,865
Middle Atlantic	**46,122**	**44,123**	**51,285**	**52,044**	**23,174**	**21,555**	**1,407**	**1,437**	**121,988**	**119,158**
New Jersey	8,906	8,803	12,462	12,522	2,582	2,657	119	162	24,069	24,144
New York	17,281	16,108	24,429	24,239	4,314	4,249	1,011	969	47,036	45,566
Pennsylvania	19,935	19,211	14,394	15,283	16,278	14,648	277	305	50,883	49,448
East North Central	**64,462**	**63,713**	**58,215**	**57,719**	**64,467**	**63,022**	**207**	**231**	**187,351**	**184,686**
Illinois	15,297	15,274	16,366	16,372	14,220	13,827	184	207	46,067	45,681
Indiana	11,732	11,847	7,474	7,558	15,431	14,881	8	7	34,645	34,292
Michigan	11,443	10,838	12,178	12,068	9,841	9,741	2	2	33,464	32,648
Ohio	18,579	18,488	14,854	14,432	17,483	17,056	14	15	50,930	49,991
Wisconsin	7,410	7,266	7,342	7,290	7,492	7,518	--	--	22,244	22,074
West North Central	**36,623**	**36,790**	**31,486**	**31,427**	**27,984**	**27,021**	**15**	**15**	**96,109**	**95,252**
Iowa	4,896	4,920	3,829	3,802	6,135	6,028	--	--	14,860	14,750
Kansas	4,306	4,377	4,702	4,655	3,551	3,390	--	--	12,560	12,422
Minnesota	7,803	7,709	7,170	7,088	7,381	6,914	7	7	22,361	21,719
Missouri	12,223	12,570	9,672	9,774	5,479	5,453	8	8	27,383	27,806
Nebraska	3,604	3,630	2,936	3,030	3,244	3,226	--	--	9,783	9,886
North Dakota	1,929	1,776	1,703	1,609	1,426	1,275	--	--	5,057	4,660
South Dakota	1,862	1,807	1,475	1,468	768	734	--	--	4,105	4,009
South Atlantic	**117,211**	**122,913**	**94,815**	**94,278**	**45,719**	**43,796**	**449**	**502**	**258,194**	**261,490**
Delaware	1,670	1,652	1,373	1,375	809	810	--	7	3,852	3,844
District of Columbia	670	654	2,759	2,756	81	96	101	126	3,610	3,632
Florida	34,997	37,295	27,919	27,337	5,579	5,473	27	27	68,523	70,132
Georgia	18,566	19,718	14,446	14,604	10,437	9,901	60	62	43,509	44,285
Maryland	9,606	9,802	9,679	9,506	1,531	1,674	192	213	21,008	21,195
North Carolina	20,306	21,434	14,586	14,700	8,433	8,105	2	2	43,328	44,241
South Carolina	10,166	10,863	6,524	6,701	9,153	8,610	--	--	25,843	26,175
Virginia	16,603	16,724	15,022	14,762	5,794	5,398	64	63	37,484	36,948
West Virginia	4,627	4,772	2,507	2,535	3,901	3,729	2	2	11,037	11,038
East South Central	**41,218**	**43,859**	**25,775**	**25,998**	**40,881**	**40,495**	*****	**1**	**107,875**	**110,354**
Alabama	10,579	11,435	6,812	6,874	11,033	10,366	--	--	28,424	28,675
Kentucky	9,576	10,105	5,941	6,076	15,102	15,989	--	--	30,619	32,171
Mississippi	6,191	6,544	4,060	3,980	5,450	5,095	--	--	15,701	15,619
Tennessee	14,872	15,775	8,963	9,068	9,296	9,045	*	1	33,132	33,889
West South Central	**65,178**	**65,541**	**54,032**	**52,936**	**51,004**	**48,187**	**25**	**27**	**170,240**	**166,692**
Arkansas	6,149	6,402	3,582	3,547	5,530	5,203	*	*	15,261	15,152
Louisiana	10,021	10,162	7,398	7,185	9,505	8,701	3	4	26,927	26,053
Oklahoma	7,050	7,246	5,730	5,564	5,005	4,793	--	--	17,784	17,602
Texas	41,959	41,731	37,323	36,639	30,964	29,490	22	23	110,267	107,884
Mountain	**28,428**	**27,810**	**28,497**	**28,169**	**24,457**	**23,518**	**30**	**30**	**81,412**	**79,526**
Arizona	8,453	8,211	8,613	8,413	3,757	3,561	--	--	20,823	20,184
Colorado	5,823	5,839	6,226	6,401	4,567	4,248	17	16	16,633	16,504
Idaho	3,183	3,016	1,985	1,905	2,203	2,226	--	--	7,371	7,147
Montana	1,958	1,830	1,650	1,589	1,363	1,385	--	--	4,971	4,804
Nevada	2,969	2,921	2,567	2,510	4,174	4,038	3	3	9,713	9,471
New Mexico	2,129	2,168	2,713	2,704	2,098	1,995	--	--	6,940	6,867
Utah	2,798	2,729	3,279	3,206	2,993	2,755	11	12	9,080	8,702
Wyoming	1,116	1,095	1,465	1,441	3,301	3,311	--	--	5,882	5,847
Pacific Contiguous	**50,763**	**49,142**	**50,848**	**50,832**	**26,775**	**26,087**	**284**	**278**	**128,670**	**126,339**
California	27,971	27,853	35,539	36,073	14,052	13,813	274	267	77,835	78,005
Oregon	7,630	7,117	5,191	4,978	3,763	3,637	9	9	16,593	15,740
Washington	15,162	14,173	10,118	9,780	8,961	8,638	2	2	34,242	32,594
Pacific Noncontiguous	**1,788**	**1,747**	**2,089**	**2,022**	**1,630**	**1,603**	**--**	**--**	**5,508**	**5,371**
Alaska	808	778	982	969	443	446	--	--	2,233	2,193
Hawaii	979	969	1,107	1,052	1,188	1,157	--	--	3,275	3,178
U.S. Total	**468,435**	**471,645**	**411,540**	**409,931**	**315,121**	**304,277**	**2,623**	**2,721**	**1,197,720**	**1,188,573**

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

* = 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 and 2011 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, April 2011 and 2010

(Million Dollars)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**565**	**556**	**488**	**503**	**276**	**284**	**4**	**4**	**1,334**	**1,346**
Connecticut	176	177	154	171	37	44	1	2	369	394
Maine	51	50	36	37	23	20	--	--	110	106
Massachusetts	221	218	188	191	177	180	2	2	589	591
New Hampshire	59	54	50	49	20	19	--	--	128	122
Rhode Island	32	33	38	34	9	11	*	*	79	79
Vermont	26	24	22	21	11	10	--	--	59	55
Middle Atlantic	**1,502**	**1,388**	**1,564**	**1,594**	**473**	**472**	**42**	**43**	**3,581**	**3,497**
New Jersey	297	287	385	390	71	73	3	4	755	754
New York	684	641	851	842	110	114	33	33	1,678	1,631
Pennsylvania	521	460	328	361	293	286	6	5	1,149	1,112
East North Central	**1,474**	**1,354**	**1,302**	**1,288**	**1,001**	**1,017**	**3**	**3**	**3,780**	**3,663**
Illinois	361	332	327	334	216	225	2	3	906	894
Indiana	213	198	149	147	236	221	*	*	599	566
Michigan	304	278	293	304	173	174	*	*	770	756
Ohio	389	363	356	334	245	273	*	*	991	970
Wisconsin	207	184	177	170	131	124	--	--	514	477
West North Central	**677**	**619**	**583**	**548**	**410**	**383**	*****	*****	**1,670**	**1,550**
Iowa	99	99	67	69	75	79	--	--	241	247
Kansas	84	76	100	91	60	52	--	--	244	219
Minnesota	170	151	145	133	115	104	*	*	430	389
Missouri	202	182	166	155	75	68	*	*	444	405
Nebraska	57	55	52	52	52	50	--	--	161	157
North Dakota	30	25	28	25	22	18	--	--	79	67
South Dakota	34	30	26	25	12	11	--	--	71	66
South Atlantic	**2,648**	**2,397**	**2,249**	**2,129**	**771**	**716**	**9**	**10**	**5,678**	**5,253**
Delaware	46	42	35	36	18	18	--	*	98	97
District of Columbia	18	15	87	95	2	2	3	2	109	114
Florida	965	841	748	686	133	125	1	1	1,847	1,652
Georgia	386	344	355	309	167	140	1	1	909	794
Maryland	249	261	264	256	37	38	4	5	554	560
North Carolina	382	367	284	291	121	124	*	*	788	782
South Carolina	213	192	150	138	135	119	--	--	498	449
Virginia	315	274	279	273	98	97	1	1	694	645
West Virginia	74	63	47	44	59	53	*	*	181	161
East South Central	**786**	**734**	**608**	**578**	**574**	**575**	**--**	*****	**1,968**	**1,886**
Alabama	227	214	174	171	149	154	--	--	551	540
Kentucky	159	146	117	109	189	196	--	--	465	451
Mississippi	126	119	99	94	85	79	--	--	310	292
Tennessee	273	254	218	204	150	146	--	*	642	604
West South Central	**1,451**	**1,332**	**1,182**	**1,171**	**760**	**753**	**1**	**1**	**3,393**	**3,256**
Arkansas	103	100	66	63	74	68	*	*	243	231
Louisiana	178	164	158	149	139	140	*	*	475	453
Oklahoma	132	123	103	100	64	60	--	--	300	283
Texas	1,037	945	855	858	482	485	1	1	2,375	2,289
Mountain	**637**	**606**	**625**	**609**	**351**	**352**	**1**	**1**	**1,613**	**1,568**
Arizona	215	186	210	196	60	57	--	--	486	440
Colorado	141	142	146	145	77	75	*	*	365	363
Idaho	50	49	30	30	26	29	--	--	105	108
Montana	37	33	35	30	17	20	--	--	90	83
Nevada	77	82	61	69	61	68	*	*	199	218
New Mexico	43	46	60	58	32	32	--	--	135	135
Utah	53	50	56	54	36	30	*	*	144	135
Wyoming	20	19	27	26	42	41	--	--	89	86
Pacific Contiguous	**1,328**	**1,293**	**1,415**	**1,441**	**509**	**509**	**5**	**6**	**3,257**	**3,249**
California	914	922	1,135	1,177	369	372	5	5	2,423	2,476
Oregon	152	137	103	95	52	51	*	*	307	283
Washington	262	235	177	169	88	86	*	*	527	490
Pacific Noncontiguous	**108**	**92**	**121**	**100**	**96**	**78**	**--**	**--**	**324**	**270**
Alaska	30	27	35	33	16	16	--	--	82	76
Hawaii	78	65	85	67	80	62	--	--	243	194
U.S. Total	**11,176**	**10,371**	**10,137**	**9,961**	**5,221**	**5,138**	**64**	**68**	**26,598**	**25,538**

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

* = 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 and 2011 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 April 2011 and 2010

(Million Dollars)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England	**2,656**	**2,662**	**2,082**	**2,198**	**1,131**	**1,121**	**17**	**18**	**5,886**	**6,000**
Connecticut	830	858	667	719	155	174	7	8	1,659	1,759
Maine	239	231	160	163	90	89	--	--	489	483
Massachusetts	1,041	1,059	804	874	727	697	9	9	2,581	2,638
New Hampshire	264	245	209	203	79	79	--	--	552	527
Rhode Island	159	155	151	153	35	39	1	1	345	348
Vermont	123	114	91	86	46	44	--	--	260	244
Middle Atlantic	**7,049**	**6,640**	**6,750**	**6,864**	**1,983**	**1,832**	**180**	**182**	**15,961**	**15,519**
New Jersey	1,456	1,398	1,651	1,672	299	292	13	20	3,419	3,383
New York	3,021	2,885	3,683	3,650	401	423	141	138	7,246	7,097
Pennsylvania	2,572	2,357	1,416	1,542	1,283	1,117	26	24	5,297	5,040
East North Central	**7,198**	**6,826**	**5,455**	**5,327**	**4,108**	**4,005**	**14**	**17**	**16,775**	**16,176**
Illinois	1,723	1,629	1,381	1,418	893	929	12	14	4,010	3,990
Indiana	1,143	1,068	654	618	956	856	1	1	2,754	2,543
Michigan	1,419	1,281	1,218	1,184	704	671	*	*	3,341	3,135
Ohio	1,972	1,964	1,453	1,401	1,025	1,062	1	1	4,452	4,428
Wisconsin	940	885	749	707	530	487	--	--	2,219	2,080
West North Central	**3,378**	**3,140**	**2,416**	**2,244**	**1,614**	**1,470**	**1**	**1**	**7,409**	**6,855**
Iowa	483	460	286	273	308	295	--	--	1,077	1,028
Kansas	426	405	392	363	228	198	--	--	1,046	966
Minnesota	821	754	596	556	462	425	1	1	1,879	1,735
Missouri	1,052	963	693	624	292	261	*	*	2,039	1,849
Nebraska	295	284	221	218	193	178	--	--	709	680
North Dakota	143	127	118	106	84	70	--	--	346	304
South Dakota	158	146	110	104	47	42	--	--	314	293
South Atlantic	**12,832**	**13,025**	**8,960**	**8,639**	**2,985**	**2,806**	**40**	**48**	**24,817**	**24,518**
Delaware	223	217	150	156	75	74	--	1	449	448
District of Columbia	92	86	368	379	6	8	11	14	477	487
Florida	4,074	4,090	2,804	2,584	499	463	2	2	7,379	7,139
Georgia	1,920	1,874	1,410	1,318	646	583	4	4	3,981	3,780
Maryland	1,311	1,407	1,123	1,109	140	160	17	22	2,591	2,698
North Carolina	2,021	2,138	1,159	1,186	487	473	*	*	3,668	3,797
South Carolina	1,117	1,098	598	577	519	466	--	--	2,234	2,140
Virginia	1,658	1,714	1,148	1,140	377	365	5	5	3,189	3,224
West Virginia	415	401	199	190	234	214	*	*	849	804
East South Central	**4,061**	**3,944**	**2,491**	**2,329**	**2,380**	**2,179**	*****	*****	**8,932**	**8,452**
Alabama	1,144	1,181	702	694	635	569	--	--	2,481	2,444
Kentucky	853	808	493	450	767	760	--	--	2,113	2,018
Mississippi	630	616	391	369	349	302	--	--	1,370	1,287
Tennessee	1,435	1,339	905	816	629	548	*	*	2,968	2,702
West South Central	**6,658**	**6,833**	**4,625**	**4,730**	**2,941**	**2,922**	**2**	**3**	**14,226**	**14,487**
Arkansas	503	553	251	267	282	281	*	*	1,036	1,101
Louisiana	847	880	618	625	512	532	*	*	1,977	2,037
Oklahoma	621	598	404	376	254	220	--	--	1,279	1,195
Texas	4,688	4,801	3,351	3,462	1,892	1,889	2	2	9,934	10,154
Mountain	**2,811**	**2,726**	**2,395**	**2,336**	**1,377**	**1,351**	**3**	**3**	**6,586**	**6,415**
Arizona	863	812	765	725	229	219	--	--	1,857	1,757
Colorado	619	621	550	550	304	278	2	1	1,475	1,450
Idaho	249	234	129	127	101	105	--	--	480	466
Montana	182	159	148	130	71	78	--	--	401	366
Nevada	352	370	239	258	237	262	*	*	828	890
New Mexico	216	215	230	225	123	119	--	--	569	559
Utah	233	225	223	215	140	126	1	1	597	568
Wyoming	96	91	111	105	173	163	--	--	379	359
Pacific Contiguous	**6,097**	**5,888**	**5,604**	**5,514**	**2,074**	**1,915**	**23**	**23**	**13,798**	**13,341**
California	4,164	4,184	4,421	4,426	1,390	1,369	22	22	9,997	10,002
Oregon	710	613	426	379	204	199	1	1	1,341	1,191
Washington	1,222	1,091	757	709	481	348	*	*	2,460	2,148
Pacific Noncontiguous	**445**	**390**	**468**	**398**	**367**	**309**	**--**	**--**	**1,280**	**1,097**
Alaska	137	126	147	133	69	63	--	--	353	321
Hawaii	308	264	322	266	298	246	--	--	928	776
U.S. Total	**53,186**	**52,075**	**41,246**	**40,580**	**20,959**	**19,911**	**279**	**294**	**115,670**	**112,860**

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

* = 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 and 2011 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, April 2011 and 2010

(Cents per Kilowatthour)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010	Apr 2011	Apr 2010
New England	**15.87**	**16.92**	**14.22**	**14.78**	**12.10**	**12.91**	**7.94**	**8.68**	**14.30**	**15.08**
Connecticut	18.15	19.72	15.63	16.58	13.35	14.60	10.36	13.04	16.41	17.54
Maine	15.37	15.76	11.98	11.94	8.59	8.30	--	--	12.23	12.34
Massachusetts	14.29	15.80	13.97	14.81	12.75	13.68	6.23	5.77	13.64	14.72
New Hampshire	16.53	16.30	13.99	13.97	12.41	12.51	--	--	14.75	14.63
Rhode Island	16.32	15.78	13.29	12.82	11.42	14.15	14.03	13.12	14.08	14.13
Vermont	16.39	15.87	13.98	13.50	9.47	8.93	--	--	13.69	13.09
Middle Atlantic	**15.58**	**15.97**	**12.93**	**13.07**	**8.36**	**8.53**	**12.27**	**13.61**	**12.91**	**13.08**
New Jersey	16.25	15.92	13.09	12.94	11.16	11.03	10.17	12.31	13.91	13.68
New York	17.52	19.09	14.59	14.97	9.68	10.40	13.29	15.65	15.09	15.85
Pennsylvania	13.34	13.02	9.89	10.18	7.52	7.55	9.19	8.00	10.27	10.17
East North Central	**11.79**	**11.68**	**9.63**	**9.43**	**6.26**	**6.40**	**6.35**	**7.40**	**8.99**	**8.89**
Illinois	11.90	11.62	8.60	8.72	6.19	6.53	5.76	7.18	8.75	8.79
Indiana	10.52	10.20	8.85	8.31	6.21	5.83	10.05	9.14	7.96	7.54
Michigan	12.61	12.80	10.07	10.44	7.08	7.11	9.23	10.20	9.92	10.04
Ohio	11.30	11.43	10.40	9.77	5.57	6.34	11.80	9.06	8.79	8.90
Wisconsin	13.01	12.65	10.36	9.76	7.04	6.48	--	--	9.98	9.36
West North Central	**9.95**	**9.52**	**7.91**	**7.34**	**5.83**	**5.46**	**6.86**	**6.59**	**7.88**	**7.39**
Iowa	10.56	10.87	7.47	7.55	4.92	5.10	--	--	7.18	7.31
Kansas	10.60	10.01	8.66	7.96	6.61	6.04	--	--	8.55	7.92
Minnesota	10.98	10.37	8.58	7.93	6.42	5.98	7.62	7.87	8.55	7.96
Missouri	9.48	8.80	7.36	6.62	5.34	4.85	5.96	4.99	7.65	6.97
Nebraska	8.93	8.63	7.85	7.36	6.14	5.40	--	--	7.50	6.92
North Dakota	8.29	7.90	7.36	6.77	6.01	5.54	--	--	7.22	6.73
South Dakota	8.90	8.72	7.63	7.37	5.91	5.83	--	--	7.77	7.57
South Atlantic	**11.29**	**11.25**	**9.45**	**9.27**	**6.54**	**6.30**	**8.57**	**9.31**	**9.60**	**9.42**
Delaware	13.95	14.26	10.81	11.26	8.82	8.90	--	9.44	11.55	11.73
District of Columbia	13.24	13.17	13.20	13.99	8.15	8.41	10.16	9.68	12.99	13.57
Florida	11.63	11.66	9.97	10.04	8.88	8.69	8.81	9.11	10.67	10.67
Georgia	10.84	9.91	9.77	8.78	6.34	5.52	7.43	6.94	9.23	8.33
Maryland	14.01	14.71	11.46	11.50	9.15	9.12	8.25	10.20	12.22	12.54
North Carolina	10.39	10.59	7.96	8.00	5.63	5.86	6.75	6.92	8.38	8.48
South Carolina	11.32	10.95	9.20	8.54	5.66	5.34	--	--	8.44	8.01
Virginia	10.50	10.79	7.72	7.69	6.48	6.58	7.92	8.28	8.51	8.51
West Virginia	9.44	8.93	8.20	7.72	6.14	5.67	9.05	7.43	7.76	7.24
East South Central	**10.23**	**9.87**	**9.65**	**9.29**	**5.73**	**5.58**	**--**	**11.32**	**8.20**	**7.87**
Alabama	11.05	11.30	10.14	10.29	5.67	5.76	--	--	8.59	8.65
Kentucky	9.33	8.79	8.46	7.80	5.11	4.86	--	--	6.85	6.36
Mississippi	10.76	10.41	9.53	9.42	6.31	6.09	--	--	8.71	8.49
Tennessee	9.95	9.31	10.07	9.42	6.45	6.35	--	11.32	8.86	8.40
West South Central	**10.74**	**11.08**	**8.55**	**8.90**	**5.76**	**6.03**	**9.82**	**9.59**	**8.37**	**8.64**
Arkansas	9.01	9.20	7.35	7.30	5.31	5.06	11.29	11.09	7.07	7.01
Louisiana	8.92	9.09	8.48	8.72	5.66	6.01	8.64	8.74	7.52	7.76
Oklahoma	10.07	9.61	7.14	6.93	5.12	4.90	--	--	7.46	7.17
Texas	11.45	12.04	8.88	9.40	5.97	6.39	10.00	9.70	8.87	9.31
Mountain	**10.35**	**10.16**	**8.67**	**8.58**	**5.74**	**5.90**	**9.25**	**9.05**	**8.28**	**8.23**
Arizona	10.97	10.25	9.27	8.79	6.33	6.27	--	--	9.38	8.86
Colorado	11.14	11.20	9.24	9.21	7.05	7.02	9.72	9.66	9.24	9.25
Idaho	7.84	7.84	6.59	6.71	4.55	4.77	--	--	6.37	6.43
Montana	9.52	8.89	9.09	8.14	5.02	5.69	--	--	7.99	7.62
Nevada	12.08	13.00	9.20	10.80	5.67	6.62	7.58	8.60	8.39	9.53
New Mexico	10.50	10.19	8.45	8.31	5.84	6.02	--	--	8.09	8.10
Utah	8.46	8.41	6.95	6.95	4.68	4.84	8.92	8.34	6.59	6.72
Wyoming	8.94	8.55	7.77	7.41	5.40	4.82	--	--	6.60	6.04
Pacific Contiguous	**11.98**	**11.80**	**11.20**	**11.06**	**7.40**	**7.50**	**7.86**	**8.11**	**10.62**	**10.53**
California	14.60	14.35	12.58	12.39	10.21	10.30	7.86	8.15	12.78	12.64
Oregon	9.43	8.84	8.30	7.74	5.34	5.34	7.94	7.06	8.02	7.59
Washington	8.14	7.86	7.45	7.32	3.85	3.86	8.21	7.15	6.69	6.51
Pacific Noncontiguous	**26.56**	**22.72**	**23.68**	**20.07**	**23.53**	**19.12**	**--**	**--**	**24.52**	**20.60**
Alaska	17.67	16.35	15.41	14.28	15.15	13.94	--	--	16.11	14.88
Hawaii	32.89	27.15	30.46	25.01	26.55	21.13	--	--	29.73	24.23
U.S. Total	**11.79**	**11.76**	**10.06**	**9.99**	**6.58**	**6.59**	**10.33**	**11.25**	**9.65**	**9.58**

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

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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 April 2011 and 2010

(Cents per Kilowatthour)

Census Division and State	Residential		Commercial[1]		Industrial[1]		Transportation[1]		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England	**15.96**	**16.63**	**14.36**	**15.15**	**12.53**	**12.47**	**8.06**	**9.23**	**14.58**	**15.11**
Connecticut	17.93	19.29	15.79	16.58	13.59	14.76	10.44	12.88	16.49	17.55
Maine	15.59	15.60	12.56	12.57	9.27	9.44	--	--	12.95	12.99
Massachusetts	14.63	15.53	14.09	15.49	13.16	12.71	6.50	7.21	13.97	14.60
New Hampshire	16.41	15.88	14.21	13.98	12.60	12.64	--	--	14.89	14.56
Rhode Island	16.15	16.04	12.96	13.55	11.47	12.97	13.79	12.83	14.05	14.48
Vermont	16.02	15.25	13.83	13.26	9.86	9.42	--	--	13.73	13.09
Middle Atlantic	**15.28**	**15.05**	**13.16**	**13.19**	**8.56**	**8.50**	**12.76**	**12.69**	**13.08**	**13.02**
New Jersey	16.35	15.88	13.25	13.36	11.57	11.01	10.62	12.42	14.20	14.01
New York	17.48	17.91	15.08	15.06	9.29	9.96	13.96	14.27	15.41	15.57
Pennsylvania	12.90	12.27	9.83	10.09	7.88	7.62	9.33	7.81	10.41	10.19
East North Central	**11.17**	**10.71**	**9.37**	**9.23**	**6.37**	**6.36**	**6.89**	**7.14**	**8.95**	**8.76**
Illinois	11.26	10.67	8.44	8.66	6.28	6.72	6.67	6.92	8.70	8.74
Indiana	9.74	9.02	8.75	8.17	6.20	5.75	9.56	8.66	7.95	7.42
Michigan	12.40	11.82	10.00	9.81	7.15	6.89	9.45	10.46	9.98	9.60
Ohio	10.62	10.62	9.78	9.71	5.86	6.23	7.89	8.96	8.74	8.86
Wisconsin	12.69	12.18	10.20	9.70	7.07	6.48	--	--	9.97	9.42
West North Central	**9.22**	**8.54**	**7.67**	**7.14**	**5.77**	**5.44**	**6.55**	**6.13**	**7.71**	**7.20**
Iowa	9.87	9.35	7.46	7.19	5.02	4.89	--	--	7.25	6.97
Kansas	9.88	9.26	8.35	7.80	6.43	5.84	--	--	8.33	7.78
Minnesota	10.52	9.78	8.31	7.84	6.26	6.15	7.60	7.77	8.40	7.99
Missouri	8.61	7.66	7.17	6.39	5.34	4.79	5.62	4.65	7.45	6.65
Nebraska	8.19	7.82	7.54	7.18	5.94	5.53	--	--	7.25	6.88
North Dakota	7.43	7.18	6.93	6.58	5.92	5.50	--	--	6.83	6.51
South Dakota	8.46	8.10	7.43	7.11	6.08	5.75	--	--	7.64	7.31
South Atlantic	**10.95**	**10.60**	**9.45**	**9.16**	**6.53**	**6.41**	**8.90**	**9.51**	**9.61**	**9.38**
Delaware	13.38	13.15	10.93	11.35	9.33	9.16	--	9.15	11.66	11.66
District of Columbia	13.76	13.18	13.33	13.75	7.86	8.48	10.69	10.97	13.21	13.41
Florida	11.64	10.97	10.04	9.45	8.94	8.46	8.99	7.82	10.77	10.18
Georgia	10.34	9.50	9.76	9.03	6.19	5.89	7.19	6.95	9.15	8.54
Maryland	13.65	14.36	11.60	11.67	9.12	9.56	8.89	10.13	12.33	12.73
North Carolina	9.95	9.98	7.95	8.07	5.78	5.84	6.82	7.14	8.47	8.58
South Carolina	10.99	10.11	9.17	8.60	5.67	5.41	--	--	8.65	8.18
Virginia	9.99	10.25	7.65	7.72	6.51	6.77	7.73	7.93	8.51	8.73
West Virginia	8.98	8.40	7.95	7.48	6.01	5.73	9.24	8.76	7.69	7.29
East South Central	**9.85**	**8.99**	**9.66**	**8.96**	**5.82**	**5.38**	**12.96**	**10.31**	**8.28**	**7.66**
Alabama	10.81	10.33	10.30	10.10	5.76	5.49	--	--	8.73	8.52
Kentucky	8.90	8.00	8.31	7.40	5.08	4.75	--	--	6.90	6.27
Mississippi	10.18	9.41	9.63	9.28	6.41	5.93	--	--	8.73	8.24
Tennessee	9.65	8.49	10.09	9.00	6.76	6.06	12.96	10.31	8.96	7.97
West South Central	**10.22**	**10.43**	**8.56**	**8.94**	**5.77**	**6.06**	**9.78**	**9.67**	**8.36**	**8.69**
Arkansas	8.18	8.64	7.01	7.52	5.10	5.40	11.04	10.75	6.79	7.27
Louisiana	8.45	8.66	8.36	8.71	5.39	6.11	8.57	9.11	7.34	7.82
Oklahoma	8.81	8.25	7.06	6.77	5.08	4.59	--	--	7.19	6.79
Texas	11.17	11.51	8.98	9.45	6.11	6.41	9.97	9.75	9.01	9.41
Mountain	**9.89**	**9.80**	**8.41**	**8.29**	**5.63**	**5.74**	**8.91**	**8.45**	**8.09**	**8.07**
Arizona	10.22	9.89	8.88	8.62	6.09	6.15	--	--	8.92	8.70
Colorado	10.64	10.63	8.83	8.59	6.66	6.55	9.31	8.78	8.87	8.79
Idaho	7.82	7.75	6.52	6.66	4.60	4.73	--	--	6.51	6.52
Montana	9.31	8.66	8.97	8.18	5.22	5.63	--	--	8.08	7.63
Nevada	11.87	12.66	9.29	10.29	5.67	6.49	7.82	9.34	8.52	9.40
New Mexico	10.14	9.91	8.49	8.32	5.84	5.96	--	--	8.19	8.14
Utah	8.33	8.25	6.82	6.72	4.67	4.58	8.56	7.83	6.57	6.52
Wyoming	8.59	8.28	7.56	7.32	5.23	4.93	--	--	6.45	6.15
Pacific Contiguous	**12.01**	**11.98**	**11.02**	**10.85**	**7.75**	**7.34**	**7.95**	**8.31**	**10.72**	**10.56**
California	14.89	15.02	12.44	12.27	9.89	9.91	7.95	8.36	12.84	12.82
Oregon	9.31	8.62	8.21	7.61	5.42	5.46	7.66	6.93	8.09	7.57
Washington	8.06	7.70	7.48	7.25	5.36	4.02	8.50	7.18	7.18	6.59
Pacific Noncontiguous	**24.88**	**22.31**	**22.42**	**19.69**	**22.50**	**19.29**	**--**	**--**	**23.24**	**20.42**
Alaska	16.97	16.14	14.94	13.68	15.53	14.16	--	--	15.79	14.65
Hawaii	31.41	27.26	29.05	25.23	25.10	21.26	--	--	28.32	24.41
U.S. Total	**11.35**	**11.04**	**10.02**	**9.90**	**6.65**	**6.54**	**10.64**	**10.82**	**9.66**	**9.50**

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

Notes: • See Glossary for definitions. • Values for 2010 and 2011 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, April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**7**	**14**	**--**	**1**	**0**	**0**	**8**
Connecticut	0	39	--	3	0	0	47
Maine	0	10	--	5	--	--	13
Massachusetts	10	42	--	1	--	0	16
New Hampshire	0	86	--	1	--	0	11
Rhode Island	--	80	--	2	--	--	502
Vermont	--	411	--	0	--	0	28
Middle Atlantic	**2**	**5**	**226**	**2**	**15**	**0**	**3**
New Jersey	4	43	--	3	58	0	13
New York	7	10	692	3	--	0	3
Pennsylvania	2	4	237	2	11	0	6
East North Central	*****	**4**	**18**	**2**	**9**	**0**	**10**
Illinois	1	14	--	10	73	0	67
Indiana	1	4	0	4	10	--	66
Michigan	2	8	177	5	0	0	12
Ohio	1	2	20	4	28	0	60
Wisconsin	1	49	0	5	0	0	23
West North Central	**1**	**19**	**0**	**12**	**76**	**0**	**5**
Iowa	2	20	0	50	--	0	33
Kansas	0	5	0	30	--	0	297
Minnesota	3	70	0	17	107	0	32
Missouri	1	16	0	14	0	0	7
Nebraska	3	22	--	73	--	0	27
North Dakota	10	113	--	279	124	--	0
South Dakota	9	163	--	191	--	--	0
South Atlantic	*****	**1**	**0**	**1**	**0**	**0**	**4**
Delaware	4	15	--	4	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	2	1	0	1	0	0	75
Georgia	*	10	0	1	--	0	9
Maryland	1	14	--	22	0	0	2
North Carolina	1	9	--	5	--	0	9
South Carolina	1	11	0	2	0	0	8
Virginia	2	12	--	2	--	0	6
West Virginia	1	4	--	66	0	--	15
East South Central	*****	**6**	**0**	**1**	**11**	**0**	**3**
Alabama	1	17	--	2	11	0	4
Kentucky	1	6	0	18	0	--	7
Mississippi	1	7	--	2	0	0	--
Tennessee	*	2	--	6	0	0	5
West South Central	*****	**12**	**9**	**1**	**3**	**0**	**9**
Arkansas	0	5	0	3	--	0	15
Louisiana	0	2	9	1	5	0	0
Oklahoma	1	30	0	2	--	--	13
Texas	0	25	0	1	3	0	36
Mountain	**2**	**32**	**0**	**2**	**12**	**0**	**3**
Arizona	*	14	0	1	--	0	2
Colorado	3	88	--	5	0	--	13
Idaho	104	517	--	19	--	--	6
Montana	12	147	0	190	524	--	4
Nevada	0	7	--	2	0	--	4
New Mexico	0	91	--	7	--	--	54
Utah	3	11	--	7	102	--	30
Wyoming	7	85	--	24	9	--	7
Pacific Contiguous	**12**	**80**	**124**	**3**	**5**	**0**	**1**
California	19	79	124	4	6	0	3
Oregon	0	229	--	2	--	--	2
Washington	0	180	--	14	0	0	1
Pacific Noncontiguous	**6**	**13**	**--**	**5**	**114**	**--**	**22**
Alaska	19	6	--	5	--	--	23
Hawaii	5	14	--	--	114	--	87
U.S. Total	*****	**8**	**13**	**1**	**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 2011 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, April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**5**	**--**	**4**	**89**	**4**	**--**	**3**	**1**
Connecticut	--	--	3	--	3	--	4	2
Maine	3	--	3	--	2	--	10	4
Massachusetts	90	--	6	89	6	--	4	2
New Hampshire	29	--	28	--	25	--	24	3
Rhode Island	241	--	12	--	14	--	--	2
Vermont	0	--	56	0	52	--	--	6
Middle Atlantic	**2**	**--**	**3**	**23**	**1**	**--**	**3**	**1**
New Jersey	51	--	5	27	6	--	7	1
New York	2	--	4	--	2	--	5	1
Pennsylvania	3	--	4	40	2	--	4	1
East North Central	**1**	**--**	**4**	**37**	**1**	**--**	**10**	*****
Illinois	1	--	5	57	1	--	35	*
Indiana	0	--	10	--	1	--	18	1
Michigan	19	--	8	--	7	--	9	1
Ohio	60	--	7	48	7	--	0	1
Wisconsin	4	--	6	--	3	--	26	1
West North Central	**1**	**--**	**6**	**--**	**1**	**--**	**13**	**1**
Iowa	1	--	14	--	1	--	0	2
Kansas	1	--	0	--	1	--	--	2
Minnesota	2	--	6	--	2	--	13	2
Missouri	1	--	28	--	1	--	0	1
Nebraska	1	--	25	--	2	--	--	3
North Dakota	3	--	99	--	3	--	0	8
South Dakota	5	--	0	--	5	--	0	3
South Atlantic	**1**	**--**	**2**	**14**	**1**	**--**	**2**	*****
Delaware	209	--	7	156	12	--	--	3
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	3	13	3	--	2	1
Georgia	--	--	4	--	4	--	33	*
Maryland	0	--	3	--	2	--	1	1
North Carolina	--	--	4	46	4	--	57	1
South Carolina	--	--	1	--	1	--	0	1
Virginia	--	--	3	--	3	--	6	1
West Virginia	0	--	0	--	0	--	0	1
East South Central	**0**	**--**	**3**	**--**	**3**	**--**	**26**	*****
Alabama	--	--	4	--	4	--	0	1
Kentucky	--	--	4	--	4	--	0	1
Mississippi	--	--	3	--	3	--	110	1
Tennessee	0	--	9	--	9	--	0	1
West South Central	**1**	**--**	**3**	**46**	**1**	**--**	**11**	*****
Arkansas	--	--	3	--	3	--	0	1
Louisiana	--	--	6	--	6	--	6	1
Oklahoma	3	--	24	--	3	--	0	1
Texas	1	--	6	46	1	--	19	*
Mountain	**1**	**6**	**6**	**5**	**1**	**--**	**4**	**1**
Arizona	23	--	5	28	16	--	0	*
Colorado	3	--	38	23	3	--	54	2
Idaho	10	30	0	--	8	--	0	5
Montana	2	--	37	--	3	--	0	5
Nevada	--	6	0	2	6	--	--	2
New Mexico	*	--	64	9	1	--	--	1
Utah	7	14	32	--	7	--	5	3
Wyoming	1	--	--	--	1	--	0	6
Pacific Contiguous	**1**	**3**	**5**	**3**	**1**	**--**	**8**	**1**
California	2	3	6	3	2	--	8	2
Oregon	2	--	10	--	2	--	50	2
Washington	1	--	5	0	1	--	24	1
Pacific Noncontiguous	**25**	**0**	**2**	**96**	**3**	**--**	**0**	**6**
Alaska	121	--	137	--	98	--	0	6
Hawaii	25	0	2	96	3	--	0	9
U.S. Total	**1**	**3**	**1**	**4**	**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 "*".)

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**--**	**1**	**0**	**0**	**4**
Connecticut	0	4	--	2	0	0	23
Maine	0	3	--	3	--	--	6
Massachusetts	4	6	--	1	--	0	7
New Hampshire	0	7	--	1	--	0	7
Rhode Island	--	44	--	1	--	--	254
Vermont	--	140	--	0	--	0	14
Middle Atlantic	**1**	**2**	**28**	**1**	**8**	**0**	**1**
New Jersey	2	8	--	1	31	0	5
New York	2	3	12	1	--	0	1
Pennsylvania	1	3	104	1	6	0	3
East North Central	*****	**2**	**10**	**1**	**5**	**0**	**5**
Illinois	*	7	--	5	39	0	36
Indiana	*	3	0	2	6	--	18
Michigan	1	4	95	2	0	0	6
Ohio	*	1	8	1	14	0	21
Wisconsin	1	21	0	3	0	0	12
West North Central	*****	**6**	**0**	**5**	**41**	**0**	**3**
Iowa	1	9	0	20	--	0	16
Kansas	0	2	0	14	--	0	148
Minnesota	1	24	0	9	58	0	16
Missouri	*	5	0	5	0	0	3
Nebraska	1	8	--	36	--	0	15
North Dakota	2	32	--	149	64	--	0
South Dakota	4	50	--	96	--	--	0
South Atlantic	*****	**1**	**0**	*****	**0**	**0**	**2**
Delaware	2	8	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	1	2	0	*	0	0	38
Georgia	*	8	0	1	--	0	4
Maryland	1	7	--	16	0	0	1
North Carolina	*	7	--	2	--	0	4
South Carolina	1	7	0	1	0	0	4
Virginia	1	4	--	1	--	0	3
West Virginia	*	1	--	25	0	--	7
East South Central	*****	**6**	**0**	**1**	**5**	**0**	**2**
Alabama	*	20	--	1	6	0	2
Kentucky	*	4	0	10	0	--	3
Mississippi	1	2	--	1	0	0	--
Tennessee	*	2	--	4	0	0	3
West South Central	*****	**6**	**5**	*****	**1**	**0**	**4**
Arkansas	0	5	0	1	--	0	7
Louisiana	0	1	5	1	3	0	0
Oklahoma	*	37	0	1	--	--	7
Texas	0	9	17	1	1	0	20
Mountain	**1**	**10**	**0**	**1**	**5**	**0**	**2**
Arizona	*	4	0	1	--	0	1
Colorado	1	57	--	3	0	--	7
Idaho	46	268	--	14	--	--	3
Montana	3	35	0	99	282	--	2
Nevada	0	3	--	1	0	--	2
New Mexico	0	39	--	3	--	--	28
Utah	2	5	--	4	51	--	16
Wyoming	2	23	--	13	4	--	6
Pacific Contiguous	**2**	**15**	**48**	**1**	**2**	**0**	**1**
California	6	17	48	2	3	0	2
Oregon	0	48	--	1	--	--	1
Washington	0	27	--	6	0	0	1
Pacific Noncontiguous	**3**	**3**	**--**	**3**	**56**	**--**	**11**
Alaska	9	2	--	3	--	--	11
Hawaii	3	3	--	--	56	--	47
U.S. Total	*****	**2**	**4**	*****	**2**	**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 2011 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 April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**3**	**--**	**2**	**56**	**1**	**--**	**2**	*****
Connecticut	--	--	3	--	3	--	3	1
Maine	2	--	1	--	1	--	5	2
Massachusetts	52	--	4	65	4	--	3	1
New Hampshire	20	--	7	--	7	--	17	1
Rhode Island	136	--	13	--	13	--	--	1
Vermont	0	--	8	112	8	--	--	3
Middle Atlantic	**1**	**--**	**2**	**17**	**1**	**--**	**2**	*****
New Jersey	35	--	4	20	4	--	4	1
New York	1	--	3	--	1	--	4	1
Pennsylvania	2	--	2	29	2	--	3	*
East North Central	**1**	**--**	**2**	**26**	**1**	**--**	**4**	*****
Illinois	1	--	6	40	1	--	30	*
Indiana	0	--	9	--	1	--	5	*
Michigan	8	--	3	--	3	--	6	1
Ohio	11	--	5	33	6	--	0	*
Wisconsin	2	--	4	--	2	--	14	1
West North Central	*****	**--**	**4**	**--**	*****	**--**	**8**	*****
Iowa	1	--	12	--	1	--	0	1
Kansas	1	--	0	--	1	--	--	1
Minnesota	1	--	4	--	1	--	9	1
Missouri	*	--	25	--	1	--	0	*
Nebraska	1	--	21	--	2	--	--	1
North Dakota	1	--	65	--	1	--	0	2
South Dakota	2	--	0	--	2	--	0	2
South Atlantic	*****	**--**	**1**	**9**	**1**	**--**	**1**	*****
Delaware	118	--	7	118	9	--	--	2
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	2	8	2	--	1	*
Georgia	--	--	2	--	2	--	19	*
Maryland	0	--	2	--	2	--	*	1
North Carolina	--	--	2	39	2	--	39	*
South Carolina	--	--	1	--	1	--	0	*
Virginia	--	--	2	--	2	--	3	*
West Virginia	0	--	0	--	0	--	0	*
East South Central	**0**	**--**	**1**	**--**	**1**	**--**	**17**	*****
Alabama	--	--	2	--	2	--	0	*
Kentucky	--	--	3	--	3	--	0	*
Mississippi	--	--	2	--	2	--	63	*
Tennessee	0	--	5	--	4	--	0	*
West South Central	**1**	**--**	**2**	**32**	**1**	**--**	**6**	*****
Arkansas	--	--	2	--	2	--	0	*
Louisiana	--	--	3	--	3	--	4	*
Oklahoma	1	--	13	--	1	--	0	*
Texas	1	--	4	32	1	--	11	*
Mountain	**1**	**3**	**3**	**3**	**1**	**--**	**2**	*****
Arizona	12	--	4	18	7	--	0	*
Colorado	2	--	25	17	2	--	30	1
Idaho	6	12	0	--	4	--	0	3
Montana	1	--	18	--	2	--	0	2
Nevada	--	3	0	2	3	--	--	1
New Mexico	1	--	38	3	1	--	--	1
Utah	4	4	29	--	3	--	2	1
Wyoming	1	--	--	--	1	--	0	2
Pacific Contiguous	**1**	**1**	**2**	**3**	**1**	**--**	**5**	*****
California	2	1	2	3	1	--	5	1
Oregon	1	--	5	--	1	--	27	1
Washington	1	--	3	0	1	--	17	*
Pacific Noncontiguous	**13**	**0**	**3**	**72**	**3**	**--**	**0**	**2**
Alaska	73	--	85	--	58	--	0	3
Hawaii	13	0	3	72	3	--	0	2
U.S. Total	*****	**1**	**1**	**3**	*****	**--**	**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, April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**31**	--	**15**	--	--	**25**
Connecticut	--	170	--	0	--	--	165
Maine	--	112	--	--	--	--	--
Massachusetts	--	66	--	15	--	--	63
New Hampshire	0	35	--	0	--	--	19
Rhode Island	--	32	--	--	--	--	--
Vermont	--	411	--	0	--	--	46
Middle Atlantic	**397**	**24**	--	**7**	--	--	**1**
New Jersey	397	694	--	--	--	--	0
New York	0	23	--	7	--	--	2
Pennsylvania	--	124	--	680	--	--	4
East North Central	**1**	**4**	**46**	**4**	**0**	**0**	**11**
Illinois	2	28	--	130	--	--	162
Indiana	1	3	--	2	--	--	66
Michigan	2	8	492	27	--	0	12
Ohio	1	1	--	71	0	--	60
Wisconsin	1	39	0	8	0	--	24
West North Central	**1**	**17**	**0**	**15**	**92**	**0**	**5**
Iowa	2	20	0	57	--	--	33
Kansas	0	5	0	30	--	0	--
Minnesota	3	49	0	23	107	0	40
Missouri	1	13	0	20	0	0	7
Nebraska	3	22	--	73	--	0	27
North Dakota	10	114	--	872	--	--	0
South Dakota	9	171	--	191	--	--	0
South Atlantic	*****	**1**	**0**	**1**	--	**0**	**4**
Delaware	--	1,610	--	437	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2	1	0	1	--	0	75
Georgia	*	12	--	2	--	0	9
Maryland	--	64	--	0	--	--	--
North Carolina	0	5	--	7	--	0	9
South Carolina	1	12	0	2	--	0	8
Virginia	0	18	--	0	--	0	6
West Virginia	1	4	--	0	--	--	45
East South Central	*****	**2**	**0**	**2**	**0**	**0**	**3**
Alabama	1	3	--	5	--	0	4
Kentucky	1	6	0	3	0	--	7
Mississippi	2	8	--	2	--	0	--
Tennessee	0	1	--	0	--	0	5
West South Central	**0**	**4**	**0**	**1**	--	**0**	**10**
Arkansas	0	2	--	13	--	0	15
Louisiana	0	3	0	1	--	0	--
Oklahoma	0	2	--	2	--	--	13
Texas	0	25	0	2	--	--	37
Mountain	**2**	**38**	--	**2**	--	**0**	**3**
Arizona	0	14	--	*	--	0	2
Colorado	3	269	--	3	--	--	13
Idaho	--	517	--	131	--	--	7
Montana	141	1,589	--	470	--	--	3
Nevada	0	26	--	0	--	--	2
New Mexico	0	91	--	11	--	--	54
Utah	3	11	--	4	--	--	31
Wyoming	7	82	--	149	--	--	6
Pacific Contiguous	**0**	**41**	--	**4**	**180**	**0**	**1**
California	--	33	--	4	180	0	3
Oregon	0	0	--	3	--	--	2
Washington	--	266	--	34	--	0	1
Pacific Noncontiguous	**0**	**11**	--	**5**	--	--	**23**
Alaska	0	5	--	5	--	--	23
Hawaii	--	13	--	--	--	--	189
U.S. Total	*****	**7**	**3**	**1**	**79**	**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 2011 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, April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**62**	**--**	**0**	**121**	**31**	**--**	**--**	**8**
Connecticut	--	--	--	--	--	--	--	162
Maine	--	--	--	--	--	--	--	112
Massachusetts	108	--	--	121	88	--	--	33
New Hampshire	--	--	0	--	0	--	--	3
Rhode Island	--	--	--	--	--	--	--	32
Vermont	0	--	0	--	0	--	--	44
Middle Atlantic	**--**	**--**	**--**	**84**	**84**	**--**	**--**	**2**
New Jersey	--	--	--	84	84	--	--	28
New York	--	--	--	--	--	--	--	2
Pennsylvania	--	--	--	--	--	--	--	4
East North Central	**3**	**--**	**5**	**163**	**3**	**--**	**0**	**1**
Illinois	123	--	--	--	123	--	--	3
Indiana	--	--	9	--	9	--	--	1
Michigan	--	--	192	--	192	--	0	1
Ohio	60	--	--	163	56	--	--	1
Wisconsin	1	--	3	--	1	--	0	2
West North Central	**2**	**--**	**15**	**--**	**2**	**--**	**15**	**1**
Iowa	1	--	28	--	1	--	0	2
Kansas	0	--	0	--	0	--	--	2
Minnesota	2	--	20	--	3	--	17	2
Missouri	--	--	24	--	24	--	0	1
Nebraska	7	--	20	--	7	--	--	3
North Dakota	11	--	--	--	11	--	0	9
South Dakota	24	--	0	--	24	--	0	3
South Atlantic	**--**	**--**	**2**	**9**	**2**	**--**	**0**	*****
Delaware	--	--	--	--	--	--	--	434
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	6	0	2	--	--	1
Georgia	--	--	0	--	0	--	--	1
Maryland	--	--	--	--	--	--	--	64
North Carolina	--	--	0	84	84	--	--	1
South Carolina	--	--	3	--	3	--	--	1
Virginia	--	--	0	--	0	--	--	1
West Virginia	--	--	0	--	0	--	0	1
East South Central	**0**	**--**	**14**	**--**	**14**	**--**	**0**	*****
Alabama	--	--	0	--	0	--	--	1
Kentucky	--	--	14	--	14	--	0	1
Mississippi	--	--	0	--	0	--	--	1
Tennessee	0	--	799	--	799	--	--	1
West South Central	**2**	**--**	**--**	**--**	**2**	**--**	**--**	*****
Arkansas	--	--	--	--	--	--	--	1
Louisiana	--	--	--	--	--	--	--	1
Oklahoma	0	--	--	--	0	--	--	1
Texas	274	--	--	--	274	--	--	1
Mountain	**1**	**0**	**33**	**21**	**1**	**--**	**--**	**1**
Arizona	--	--	33	21	19	--	--	*
Colorado	23	--	0	--	23	--	--	2
Idaho	--	--	0	--	0	--	--	7
Montana	28	--	--	--	28	--	--	5
Nevada	--	--	0	--	0	--	--	*
New Mexico	--	--	--	--	--	--	--	2
Utah	--	0	--	--	0	--	--	3
Wyoming	1	--	--	--	1	--	--	6
Pacific Contiguous	**2**	**0**	**3**	**52**	**2**	**--**	**0**	**1**
California	12	0	3	52	5	--	0	2
Oregon	0	--	18	--	1	--	--	2
Washington	2	--	4	0	2	--	--	1
Pacific Noncontiguous	**121**	**--**	**0**	**--**	**1**	**--**	**0**	**6**
Alaska	121	--	--	--	121	--	0	7
Hawaii	--	--	0	--	0	--	0	9
U.S. Total	**1**	**0**	**2**	**12**	**1**	**--**	**10**	*****

* = 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 April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**2**	--	**8**	--	--	**12**
Connecticut	--	116	--	0	--	--	82
Maine	--	58	--	--	--	--	--
Massachusetts	--	5	--	12	--	--	31
New Hampshire	0	1	--	0	--	--	10
Rhode Island	--	16	--	--	--	--	--
Vermont	--	140	--	0	--	--	23
Middle Atlantic	**152**	**5**	--	**3**	--	--	**1**
New Jersey	152	251	--	--	--	--	0
New York	0	5	--	3	--	--	1
Pennsylvania	--	64	--	378	--	--	2
East North Central	*	**2**	**18**	**2**	**0**	**0**	**6**
Illinois	1	14	--	91	--	--	82
Indiana	*	2	--	1	--	--	18
Michigan	1	4	222	26	--	0	6
Ohio	*	1	--	3	0	--	21
Wisconsin	1	19	0	6	0	--	13
West North Central	*	**5**	**0**	**6**	**50**	**0**	**3**
Iowa	1	9	0	21	--	--	16
Kansas	0	2	0	14	--	0	--
Minnesota	1	20	0	11	58	0	21
Missouri	*	5	0	5	0	0	3
Nebraska	1	8	--	36	--	0	15
North Dakota	2	31	--	495	--	--	0
South Dakota	4	52	--	96	--	--	0
South Atlantic	*	**1**	**0**	*	--	**0**	**2**
Delaware	--	426	--	246	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	*	1	0	*	--	0	38
Georgia	*	9	--	1	--	0	4
Maryland	--	42	--	0	--	--	--
North Carolina	0	4	--	3	--	0	4
South Carolina	1	8	0	1	--	0	4
Virginia	0	4	--	0	--	0	3
West Virginia	*	1	--	0	--	--	22
East South Central	*	**1**	**0**	**1**	**0**	**0**	**2**
Alabama	*	3	--	2	--	0	2
Kentucky	*	4	0	2	0	--	3
Mississippi	1	2	--	1	--	0	--
Tennessee	0	*	--	0	--	0	3
West South Central	**0**	**2**	**0**	**1**	--	**0**	**5**
Arkansas	0	1	--	6	--	0	7
Louisiana	0	1	0	1	--	0	--
Oklahoma	0	1	--	1	--	--	7
Texas	0	3	0	1	--	--	21
Mountain	**1**	**11**	--	**1**	--	**0**	**2**
Arizona	0	4	--	*	--	0	1
Colorado	1	104	--	1	--	--	7
Idaho	--	268	--	64	--	--	3
Montana	61	407	--	248	--	--	2
Nevada	0	4	--	*	--	--	1
New Mexico	0	39	--	4	--	--	28
Utah	1	5	--	2	--	--	16
Wyoming	2	22	--	96	--	--	6
Pacific Contiguous	**0**	**13**	--	**2**	**90**	**0**	**1**
California	--	7	--	2	90	0	2
Oregon	0	0	--	1	--	--	1
Washington	--	53	--	9	--	0	1
Pacific Noncontiguous	**0**	**2**	--	**3**	--	--	**11**
Alaska	0	2	--	3	--	--	11
Hawaii	--	3	--	--	--	--	93
U.S. Total	*	**2**	**1**	*	**41**	**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 2011 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 April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**35**	**--**	**0**	**85**	**2**	**--**	**--**	**3**
Connecticut	--	--	--	--	--	--	--	73
Maine	--	--	--	--	--	--	--	58
Massachusetts	62	--	--	85	54	--	--	16
New Hampshire	--	--	0	--	0	--	--	1
Rhode Island	--	--	--	--	--	--	--	16
Vermont	0	--	0	--	0	--	--	14
Middle Atlantic	**--**	**--**	**--**	**59**	**59**	**--**	**--**	**1**
New Jersey	--	--	--	59	59	--	--	13
New York	--	--	--	--	--	--	--	1
Pennsylvania	--	--	--	--	--	--	--	3
East North Central	**2**	**--**	**5**	**115**	**2**	**--**	**0**	*****
Illinois	72	--	--	--	72	--	--	1
Indiana	--	--	10	--	10	--	--	*
Michigan	--	--	154	--	154	--	0	1
Ohio	42	--	--	115	39	--	--	*
Wisconsin	1	--	2	--	1	--	0	1
West North Central	**1**	**--**	**7**	**--**	**1**	**--**	**11**	*****
Iowa	*	--	29	--	*	--	0	1
Kansas	0	--	0	--	0	--	--	1
Minnesota	1	--	8	--	2	--	12	1
Missouri	--	--	26	--	26	--	0	*
Nebraska	5	--	22	--	5	--	--	1
North Dakota	5	--	--	--	5	--	0	2
South Dakota	8	--	0	--	8	--	0	2
South Atlantic	**--**	**--**	**2**	**5**	**1**	**--**	**0**	*****
Delaware	--	--	--	--	--	--	--	240
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	5	0	2	--	--	*
Georgia	--	--	0	--	0	--	--	*
Maryland	--	--	--	--	--	--	--	42
North Carolina	--	--	0	59	59	--	--	*
South Carolina	--	--	3	--	3	--	--	*
Virginia	--	--	0	--	0	--	--	*
West Virginia	--	--	0	--	0	--	0	*
East South Central	**0**	**--**	**15**	**--**	**15**	**--**	**0**	*****
Alabama	--	--	280	--	280	--	--	*
Kentucky	--	--	15	--	15	--	0	*
Mississippi	--	--	0	--	0	--	--	*
Tennessee	0	--	714	--	714	--	--	*
West South Central	**1**	**--**	**--**	**--**	**1**	**--**	**--**	*****
Arkansas	--	--	--	--	--	--	--	*
Louisiana	--	--	--	--	--	--	--	*
Oklahoma	0	--	--	--	0	--	--	*
Texas	174	--	--	--	174	--	--	*
Mountain	**1**	**0**	**34**	**14**	**1**	**--**	**--**	*****
Arizona	--	--	36	14	19	--	--	*
Colorado	13	--	98	--	13	--	--	1
Idaho	--	--	0	--	0	--	--	3
Montana	19	--	--	--	19	--	--	3
Nevada	--	--	0	--	0	--	--	*
New Mexico	--	--	--	--	--	--	--	1
Utah	--	0	--	--	0	--	--	1
Wyoming	*	--	--	--	*	--	--	2
Pacific Contiguous	**2**	**0**	**3**	**37**	**1**	**--**	**0**	*****
California	8	0	4	37	3	--	0	1
Oregon	0	--	19	--	2	--	--	1
Washington	1	--	5	0	1	--	--	*
Pacific Noncontiguous	**73**	**--**	**0**	**--**	**2**	**--**	**0**	**2**
Alaska	73	--	--	--	73	--	0	3
Hawaii	--	--	0	--	0	--	0	2
U.S. Total	**1**	**0**	**2**	**7**	*****	**--**	**8**	*****

* = 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, April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**10**	**28**	**--**	**1**	**0**	**0**	**9**
Connecticut	0	31	--	3	0	0	49
Maine	0	6	--	*	--	--	15
Massachusetts	10	55	--	1	--	0	15
New Hampshire	--	7,819	--	0	--	0	13
Rhode Island	--	401	--	1	--	--	502
Vermont	--	--	--	--	--	0	34
Middle Atlantic	**2**	**5**	**274**	**1**	**0**	**0**	**10**
New Jersey	0	31	--	2	--	0	194
New York	7	17	692	3	--	0	14
Pennsylvania	2	4	295	2	0	0	12
East North Central	**1**	**14**	**0**	**2**	**0**	**0**	**48**
Illinois	1	15	--	6	0	0	60
Indiana	0	66,397	0	12	--	--	--
Michigan	22	1,157	0	4	0	0	73
Ohio	1	0	0	3	0	0	--
Wisconsin	151	759	--	0	--	0	120
West North Central	**0**	**102**	**--**	**11**	**--**	**0**	**70**
Iowa	--	176	--	4,764	--	0	359
Kansas	--	--	--	--	--	--	297
Minnesota	0	150	--	9	--	--	73
Missouri	--	--	--	18	--	--	--
Nebraska	--	--	--	2,608	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	160	--	--	--	--	--
South Atlantic	**2**	**10**	**--**	**2**	**0**	**0**	**4**
Delaware	4	14	--	3	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	6	33	--	4	0	--	--
Georgia	--	2,726	--	1	--	--	385
Maryland	1	15	--	21	0	0	2
North Carolina	22	203	--	1	--	--	201
South Carolina	60	0	--	21	--	--	150
Virginia	13	15	--	5	--	--	127
West Virginia	1	0	--	0	--	--	15
East South Central	**0**	**30**	**--**	**1**	**--**	**--**	**346**
Alabama	0	30	--	1	--	--	--
Kentucky	--	--	--	0	--	--	346
Mississippi	0	0	--	0	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**8**
Arkansas	0	0	--	0	--	--	147
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	3	--	--	--
Texas	0	0	0	1	1	0	159
Mountain	**11**	**25**	**0**	**3**	**0**	**--**	**9**
Arizona	--	--	--	2	--	--	--
Colorado	72	4	--	7	0	--	67
Idaho	--	--	--	10	--	--	21
Montana	11	128	0	240	0	--	10
Nevada	0	0	--	7	0	--	157
New Mexico	--	0	--	6	--	--	--
Utah	117	0	--	94	--	--	314
Wyoming	97	--	--	554	--	--	403
Pacific Contiguous	**24**	**1,618**	**124**	**3**	**0**	**--**	**19**
California	24	1,618	124	4	0	--	21
Oregon	--	--	--	2	--	--	50
Washington	0	0	--	0	0	--	67
Pacific Noncontiguous	**6**	**3**	**--**	**--**	**--**	**--**	**0**
Alaska	61	--	--	--	--	--	--
Hawaii	0	3	--	--	--	--	0
U.S. Total	**1**	**3**	**35**	**1**	**1**	**0**	**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. • 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 2011 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, April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**5**	**--**	**6**	**135**	**5**	**--**	**3**	**1**
Connecticut	--	--	3	--	3	--	4	2
Maine	3	--	5	--	3	--	8	5
Massachusetts	165	--	6	135	6	--	4	2
New Hampshire	29	--	28	--	26	--	24	3
Rhode Island	241	--	12	--	14	--	--	1
Vermont	--	--	60	0	60	--	--	6
Middle Atlantic	**2**	**--**	**3**	**24**	**1**	**--**	**3**	**1**
New Jersey	51	--	6	29	6	--	8	1
New York	2	--	4	--	2	--	5	1
Pennsylvania	3	--	3	44	2	--	4	1
East North Central	**1**	**--**	**6**	**38**	**1**	**--**	**16**	*****
Illinois	1	--	5	57	1	--	60	*
Indiana	0	--	--	--	0	--	--	2
Michigan	19	--	11	--	9	--	12	2
Ohio	0	--	12	50	12	--	--	1
Wisconsin	7	--	7	--	5	--	--	1
West North Central	**1**	**--**	**7**	**--**	**1**	**--**	**20**	**1**
Iowa	1	--	15	--	1	--	--	1
Kansas	1	--	0	--	1	--	--	2
Minnesota	3	--	7	--	2	--	20	3
Missouri	1	--	0	--	1	--	--	6
Nebraska	0	--	170	--	1	--	--	1
North Dakota	2	--	--	--	2	--	--	2
South Dakota	2	--	--	--	2	--	--	2
South Atlantic	**1**	**--**	**2**	**35**	**1**	**--**	**2**	**1**
Delaware	209	--	7	156	12	--	--	3
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	2	44	2	--	3	3
Georgia	--	--	28	--	28	--	--	1
Maryland	0	--	2	--	1	--	0	1
North Carolina	--	--	4	53	4	--	53	11
South Carolina	--	--	29	--	29	--	--	22
Virginia	--	--	4	--	4	--	0	5
West Virginia	0	--	0	--	0	--	--	1
East South Central	**0**	**--**	**3**	**--**	**2**	**--**	**0**	**1**
Alabama	--	--	0	--	0	--	--	1
Kentucky	--	--	--	--	--	--	--	139
Mississippi	--	--	0	--	0	--	0	0
Tennessee	0	--	26	--	7	--	--	7
West South Central	**1**	**--**	**7**	**46**	**1**	**--**	**0**	*****
Arkansas	--	--	30	--	30	--	--	1
Louisiana	--	--	17	--	17	--	--	*
Oklahoma	3	--	0	--	3	--	--	2
Texas	1	--	7	46	1	--	0	1
Mountain	**2**	**7**	**9**	**5**	**2**	**--**	**2**	**3**
Arizona	23	--	0	106	18	--	0	2
Colorado	3	--	38	23	3	--	0	4
Idaho	10	30	0	--	9	--	--	9
Montana	1	--	--	--	1	--	0	7
Nevada	--	6	--	1	6	--	--	4
New Mexico	*	--	64	9	1	--	--	3
Utah	7	80	32	--	10	--	154	38
Wyoming	3	--	--	--	3	--	--	17
Pacific Contiguous	**1**	**3**	**6**	**3**	**1**	**--**	**9**	**2**
California	2	3	7	3	2	--	9	3
Oregon	2	--	22	--	2	--	50	2
Washington	0	--	5	--	*	--	24	3
Pacific Noncontiguous	**25**	**0**	**--**	**96**	**12**	**--**	**0**	**3**
Alaska	--	--	--	--	--	--	--	61
Hawaii	25	0	--	96	12	--	0	2
U.S. Total	**1**	**3**	**3**	**4**	**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 "*".)

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**3**	--	*	**0**	**0**	**5**
Connecticut	0	4	--	1	0	0	24
Maine	0	1	--	*	--	--	7
Massachusetts	4	7	--	1	--	0	6
New Hampshire	--	121	--	0	--	0	9
Rhode Island	--	208	--	1	--	--	254
Vermont	--	--	--	--	--	0	17
Middle Atlantic	**1**	**2**	**23**	**1**	**0**	**0**	**4**
New Jersey	2	6	--	1	--	0	99
New York	2	4	12	1	--	0	7
Pennsylvania	1	2	136	1	0	0	4
East North Central	*	**5**	**0**	**1**	**0**	**0**	**27**
Illinois	*	7	--	3	0	0	33
Indiana	0	24,956	0	5	--	--	--
Michigan	12	571	0	2	0	0	42
Ohio	*	0	0	1	0	0	--
Wisconsin	58	67	--	0	--	0	63
West North Central	**78**	**24**	--	**7**	--	**0**	**35**
Iowa	--	80	--	2,490	--	0	178
Kansas	--	--	--	--	--	--	148
Minnesota	78	10	--	9	--	--	37
Missouri	--	--	--	10	--	--	--
Nebraska	--	--	--	2,028	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	83	--	--	--	--	--
South Atlantic	**1**	**4**	--	**1**	**0**	**0**	**2**
Delaware	2	7	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	4	39	--	5	0	--	--
Georgia	--	21	--	*	--	--	214
Maryland	1	7	--	16	0	0	1
North Carolina	13	278	--	*	--	--	103
South Carolina	34	0	--	18	--	--	76
Virginia	6	2	--	1	--	--	64
West Virginia	*	0	--	0	--	--	5
East South Central	**0**	**3**	--	*	--	--	**172**
Alabama	0	3	--	*	--	--	--
Kentucky	--	--	--	0	--	--	172
Mississippi	0	0	--	0	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	**0**	**0**	**0**	*	**1**	**0**	**5**
Arkansas	0	0	--	0	--	--	73
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	2	--	--	--
Texas	0	0	0	1	1	0	80
Mountain	**4**	**14**	**0**	**2**	**0**	--	**5**
Arizona	--	--	--	1	--	--	--
Colorado	40	7	--	5	0	--	36
Idaho	--	--	--	8	--	--	17
Montana	3	29	0	118	0	--	6
Nevada	0	0	--	3	0	--	81
New Mexico	--	0	--	3	--	--	--
Utah	66	0	--	43	--	--	163
Wyoming	45	--	--	299	--	--	223
Pacific Contiguous	**3**	**11**	**48**	**1**	**0**	--	**11**
California	8	51	48	1	0	--	13
Oregon	--	--	--	1	--	--	26
Washington	0	0	--	0	0	--	36
Pacific Noncontiguous	**3**	**3**	--	--	--	--	**0**
Alaska	27	--	--	--	--	--	--
Hawaii	0	3	--	--	--	--	0
U.S. Total	*	**1**	**12**	*	*	**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 2011 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 April 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**3**	**--**	**2**	**76**	**2**	**--**	**2**	*****
Connecticut	--	--	3	--	3	--	3	1
Maine	2	--	2	--	1	--	5	2
Massachusetts	93	--	4	102	4	--	3	1
New Hampshire	20	--	9	--	9	--	17	1
Rhode Island	136	--	13	--	13	--	--	1
Vermont	--	--	19	112	19	--	--	2
Middle Atlantic	**1**	**--**	**2**	**18**	**1**	**--**	**2**	*****
New Jersey	35	--	5	21	5	--	5	*
New York	1	--	3	--	1	--	3	1
Pennsylvania	2	--	3	32	2	--	3	*
East North Central	**1**	**--**	**3**	**26**	**1**	**--**	**12**	*****
Illinois	1	--	6	40	1	--	43	*
Indiana	0	--	--	--	0	--	--	1
Michigan	8	--	4	--	4	--	8	1
Ohio	12	--	10	35	9	--	--	*
Wisconsin	4	--	8	--	4	--	--	1
West North Central	**1**	**--**	**5**	**--**	**1**	**--**	**15**	**1**
Iowa	1	--	16	--	1	--	--	1
Kansas	1	--	0	--	1	--	--	1
Minnesota	2	--	6	--	2	--	15	2
Missouri	*	--	0	--	*	--	--	3
Nebraska	0	--	103	--	1	--	--	1
North Dakota	1	--	--	--	1	--	--	1
South Dakota	1	--	--	--	1	--	--	1
South Atlantic	*****	**--**	**1**	**26**	**1**	**--**	**2**	**1**
Delaware	118	--	7	118	9	--	--	2
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	2	31	2	--	2	3
Georgia	--	--	30	--	30	--	--	1
Maryland	0	--	2	--	1	--	0	*
North Carolina	--	--	3	49	3	--	37	5
South Carolina	--	--	31	--	31	--	--	15
Virginia	--	--	4	--	4	--	0	2
West Virginia	0	--	0	--	0	--	--	*
East South Central	**0**	**--**	**5**	**--**	**3**	**--**	**0**	*****
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	70
Mississippi	--	--	0	--	0	--	0	0
Tennessee	0	--	28	--	8	--	--	8
West South Central	**1**	**--**	**7**	**32**	**1**	**--**	**0**	*****
Arkansas	--	--	24	--	24	--	--	*
Louisiana	--	--	18	--	18	--	--	*
Oklahoma	1	--	0	--	1	--	--	1
Texas	1	--	8	32	1	--	0	*
Mountain	**1**	**3**	**6**	**3**	**1**	**--**	**1**	**1**
Arizona	12	--	0	75	7	--	0	1
Colorado	2	--	26	17	2	--	0	3
Idaho	6	12	0	--	5	--	--	6
Montana	1	--	--	--	1	--	0	3
Nevada	--	3	--	2	3	--	--	2
New Mexico	1	--	38	3	1	--	--	2
Utah	4	80	29	--	5	--	86	22
Wyoming	1	--	--	--	1	--	--	8
Pacific Contiguous	**1**	**1**	**2**	**3**	**1**	**--**	**7**	**1**
California	2	1	3	3	1	--	6	1
Oregon	2	--	11	--	2	--	27	1
Washington	0	--	5	--	*	--	17	1
Pacific Noncontiguous	**13**	**0**	**--**	**72**	**7**	**--**	**0**	**2**
Alaska	--	--	--	--	--	--	--	27
Hawaii	13	0	--	72	7	--	0	1
U.S. Total	*****	**1**	**1**	**3**	*****	**--**	**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, April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**65**	--	**42**	--	--	**438**
Connecticut	--	0	--	243	--	--	--
Maine	--	531	--	1,682	--	--	--
Massachusetts	0	80	--	33	--	--	438
New Hampshire	--	110	--	--	--	--	--
Rhode Island	--	421	--	204	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**0**	**77**	--	**45**	--	--	**539**
New Jersey	--	766	--	179	--	--	--
New York	0	64	--	34	--	--	539
Pennsylvania	0	109	--	169	--	--	--
East North Central	**17**	**124**	--	**28**	--	--	**0**
Illinois	0	181	--	23	--	--	--
Indiana	51	1,013	--	258	--	--	--
Michigan	0	10	--	105	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	177	0	--	101	--	--	0
West North Central	**47**	**326**	**0**	**122**	--	--	--
Iowa	74	248	0	387	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	344	--	126	--	--	--
Missouri	0	274	--	0	--	--	--
Nebraska	--	--	--	1,521	--	--	--
North Dakota	--	392	--	--	--	--	--
South Dakota	--	468	--	--	--	--	--
South Atlantic	**91**	**85**	--	**188**	--	--	**208**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	0	--	200	--	--	--
Georgia	--	59	--	0	--	--	--
Maryland	0	2,379	--	633	--	--	--
North Carolina	0	544	--	0	--	--	191
South Carolina	--	522	--	0	--	--	991
Virginia	177	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**193**	--	--	**140**	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	194	--	--	--
Tennessee	193	--	--	169	--	--	--
West South Central	--	**205**	--	**22**	--	--	--
Arkansas	--	--	--	1,605	--	--	--
Louisiana	--	--	--	142	--	--	--
Oklahoma	--	3,522	--	176	--	--	--
Texas	--	156	--	19	--	--	--
Mountain	--	**328**	--	**88**	--	--	--
Arizona	--	328	--	124	--	--	--
Colorado	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	0	--	--	--
New Mexico	--	0	--	125	--	--	--
Utah	--	0	--	631	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	**1,227**	--	**21**	**0**	--	**55**
California	--	168	--	21	0	--	222
Oregon	--	--	--	--	--	--	--
Washington	--	2,211	--	280	--	--	0
Pacific Noncontiguous	**17**	**227**	--	**0**	--	--	--
Alaska	17	262	--	0	--	--	--
Hawaii	--	0	--	--	--	--	--
U.S. Total	**15**	**63**	**0**	**13**	**0**	--	**57**

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 2011 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, April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**263**	**--**	**34**	**238**	**34**	**--**	**34**	**29**
Connecticut	--	--	--	--	--	--	--	243
Maine	--	--	34	--	34	--	34	25
Massachusetts	263	--	177	238	147	--	--	31
New Hampshire	--	--	--	--	--	--	--	110
Rhode Island	--	--	--	--	--	--	--	198
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	**--**	**--**	**11**	**382**	**11**	**--**	**12**	**21**
New Jersey	--	--	7	382	8	--	0	66
New York	--	--	33	--	33	--	32	23
Pennsylvania	--	--	0	--	0	--	0	37
East North Central	**--**	**--**	**17**	**--**	**17**	**--**	**18**	**13**
Illinois	--	--	487	--	487	--	--	22
Indiana	--	--	81	--	81	--	80	64
Michigan	--	--	16	--	16	--	18	6
Ohio	--	--	--	--	--	--	--	--
Wisconsin	--	--	56	--	56	--	--	67
West North Central	**139**	**--**	**53**	**--**	**56**	**--**	**62**	**36**
Iowa	--	--	73	--	73	--	--	65
Kansas	--	--	--	--	--	--	--	--
Minnesota	139	--	126	--	105	--	62	68
Missouri	--	--	--	--	--	--	0	*
Nebraska	--	--	99	--	99	--	--	131
North Dakota	--	--	--	--	--	--	--	392
South Dakota	--	--	--	--	--	--	--	468
South Atlantic	**--**	**--**	**14**	**--**	**14**	**--**	**15**	**15**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	58	--	58	--	--	86
Georgia	--	--	80	--	80	--	--	70
Maryland	--	--	55	--	55	--	436	69
North Carolina	--	--	--	--	--	--	--	59
South Carolina	--	--	--	--	--	--	--	970
Virginia	--	--	13	--	13	--	14	14
West Virginia	--	--	--	--	--	--	--	--
East South Central	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**123**
Alabama	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	194
Tennessee	--	--	--	--	--	--	--	143
West South Central	**--**	**--**	**60**	**--**	**60**	**--**	**--**	**21**
Arkansas	--	--	238	--	238	--	--	356
Louisiana	--	--	--	--	--	--	--	142
Oklahoma	--	--	--	--	--	--	--	176
Texas	--	--	62	--	62	--	--	18
Mountain	**--**	**--**	**192**	**--**	**192**	**--**	**--**	**86**
Arizona	--	--	192	--	192	--	--	119
Colorado	--	--	--	--	--	--	--	0
Idaho	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	0
New Mexico	--	--	--	--	--	--	--	125
Utah	--	--	--	--	--	--	--	631
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**--**	**18**	**94**	**18**	**--**	**0**	**16**
California	--	--	18	94	18	--	0	17
Oregon	--	--	83	--	83	--	--	83
Washington	--	--	--	--	--	--	--	30
Pacific Noncontiguous	**--**	**--**	**0**	**--**	**0**	**--**	**0**	**9**
Alaska	--	--	--	--	--	--	--	20
Hawaii	--	--	0	--	0	--	0	0
U.S. Total	**133**	**--**	**8**	**91**	**8**	**--**	**7**	**8**

* = 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 April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**29**	--	**16**	--	--	**221**
Connecticut	--	0	--	110	--	--	--
Maine	--	200	--	874	--	--	--
Massachusetts	0	35	--	12	--	--	221
New Hampshire	--	51	--	--	--	--	--
Rhode Island	--	158	--	98	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	**0**	**39**	--	**19**	--	--	**277**
New Jersey	--	322	--	80	--	--	--
New York	0	19	--	14	--	--	277
Pennsylvania	0	73	--	94	--	--	--
East North Central	**6**	**46**	--	**14**	--	--	**0**
Illinois	0	43	--	10	--	--	--
Indiana	17	76	--	118	--	--	--
Michigan	0	8	--	43	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	78	0	--	52	--	--	0
West North Central	**18**	**118**	**0**	**61**	--	--	--
Iowa	30	106	0	225	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	128	--	65	--	--	--
Missouri	0	142	--	0	--	--	--
Nebraska	--	--	--	1,205	--	--	--
North Dakota	--	203	--	--	--	--	--
South Dakota	--	243	--	--	--	--	--
South Atlantic	**25**	**50**	--	**131**	--	--	**90**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	0	--	137	--	--	--
Georgia	--	30	--	0	--	--	--
Maryland	0	1,099	--	725	--	--	--
North Carolina	0	282	--	0	--	--	82
South Carolina	--	271	--	700	--	--	536
Virginia	99	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	**85**	--	--	**67**	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	135	--	--	--
Tennessee	85	--	--	77	--	--	--
West South Central	--	**198**	--	**18**	--	--	--
Arkansas	--	--	--	980	--	--	--
Louisiana	--	--	--	99	--	--	--
Oklahoma	--	3,880	--	125	--	--	--
Texas	--	147	--	15	--	--	--
Mountain	--	**94**	--	**45**	--	--	--
Arizona	--	170	--	64	--	--	--
Colorado	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	0	--	--	--
New Mexico	--	0	--	65	--	--	--
Utah	--	0	--	347	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	**376**	--	**11**	**0**	--	**25**
California	--	86	--	11	0	--	140
Oregon	--	--	--	--	--	--	--
Washington	--	797	--	143	--	--	0
Pacific Noncontiguous	**9**	**86**	--	**0**	--	--	--
Alaska	9	100	--	0	--	--	--
Hawaii	--	0	--	--	--	--	--
U.S. Total	**6**	**22**	**0**	**7**	**0**	--	**25**

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 2011 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 April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	**255**	**--**	**20**	**310**	**20**	**--**	**19**	**12**
Connecticut	--	--	--	--	--	--	--	110
Maine	--	--	20	--	20	--	19	14
Massachusetts	255	--	123	310	108	--	--	12
New Hampshire	--	--	--	--	--	--	--	51
Rhode Island	--	--	--	--	--	--	--	92
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	**--**	**--**	**6**	**269**	**6**	**--**	**6**	**8**
New Jersey	--	--	3	269	3	--	0	18
New York	--	--	19	--	19	--	18	10
Pennsylvania	--	--	0	--	0	--	0	18
East North Central	**--**	**--**	**12**	**--**	**12**	**--**	**12**	**6**
Illinois	--	--	295	--	295	--	--	9
Indiana	--	--	48	--	48	--	44	23
Michigan	--	--	12	--	12	--	12	4
Ohio	--	--	--	--	--	--	--	--
Wisconsin	--	--	33	--	33	--	--	35
West North Central	**79**	**--**	**32**	**--**	**31**	**--**	**36**	**16**
Iowa	--	--	43	--	43	--	--	26
Kansas	--	--	--	--	--	--	--	--
Minnesota	79	--	81	--	59	--	38	40
Missouri	--	--	--	--	--	--	0	*
Nebraska	--	--	59	--	59	--	--	74
North Dakota	--	--	--	--	--	--	--	203
South Dakota	--	--	--	--	--	--	--	243
South Atlantic	**--**	**--**	**9**	**--**	**9**	**--**	**9**	**9**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	34	--	34	--	--	65
Georgia	--	--	47	--	47	--	--	41
Maryland	--	--	30	--	30	--	396	33
North Carolina	--	--	--	--	--	--	--	11
South Carolina	--	--	--	--	--	--	--	453
Virginia	--	--	9	--	9	--	9	9
West Virginia	--	--	--	--	--	--	--	--
East South Central	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**57**
Alabama	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	135
Tennessee	--	--	--	--	--	--	--	63
West South Central	**--**	**--**	**36**	**--**	**36**	**--**	**--**	**17**
Arkansas	--	--	154	--	154	--	--	238
Louisiana	--	--	--	--	--	--	--	99
Oklahoma	--	--	--	--	--	--	--	125
Texas	--	--	37	--	37	--	--	15
Mountain	**--**	**--**	**115**	**--**	**115**	**--**	**--**	**44**
Arizona	--	--	115	--	115	--	--	61
Colorado	--	--	--	--	--	--	--	0
Idaho	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	0
New Mexico	--	--	--	--	--	--	--	65
Utah	--	--	--	--	--	--	--	347
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	**--**	**--**	**11**	**74**	**10**	**--**	**0**	**8**
California	--	--	11	74	11	--	0	9
Oregon	--	--	49	--	49	--	--	49
Washington	--	--	--	--	--	--	--	18
Pacific Noncontiguous	**--**	**--**	**0**	**--**	**0**	**--**	**0**	**4**
Alaska	--	--	--	--	--	--	--	9
Hawaii	--	--	0	--	0	--	0	0
U.S. Total	**77**	**--**	**5**	**70**	**5**	**--**	**4**	**4**

* = 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, April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**98**	**14**	**--**	**32**	**--**	**--**	**18**
Connecticut	--	416	--	92	--	--	--
Maine	0	11	--	33	--	--	16
Massachusetts	195	421	--	108	--	--	358
New Hampshire	--	581	--	339	--	--	359
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	209
Middle Atlantic	**13**	**11**	**381**	**44**	**15**	**--**	**117**
New Jersey	--	365	--	79	58	--	--
New York	0	4	--	82	--	--	117
Pennsylvania	18	300	381	64	11	--	--
East North Central	**8**	**127**	**103**	**39**	**11**	**--**	**80**
Illinois	8	2,467	--	82	73	--	--
Indiana	133	6	--	58	10	--	--
Michigan	59	0	533	54	--	--	197
Ohio	24	295	497	194	58	--	--
Wisconsin	14	468	0	102	--	--	88
West North Central	**15**	**368**	**--**	**79**	**124**	**--**	**74**
Iowa	14	282	--	108	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota	35	1,167	--	123	--	--	74
Missouri	99	1,543	--	886	--	--	--
Nebraska	145	--	--	--	--	--	--
North Dakota	83	399	--	273	124	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**12**	**15**	**0**	**17**	**0**	**--**	**8**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	62	45	--	17	0	--	--
Georgia	12	16	0	34	--	--	352
Maryland	0	0	--	182	--	--	--
North Carolina	60	55	--	16	--	--	747
South Carolina	28	0	--	0	0	--	--
Virginia	24	26	--	105	--	--	341
West Virginia	12	--	--	461	0	--	0
East South Central	**10**	**49**	**--**	**20**	**11**	**--**	**--**
Alabama	41	50	--	18	11	--	--
Kentucky	--	--	--	95	--	--	--
Mississippi	0	0	--	45	0	--	--
Tennessee	7	589	--	56	0	--	--
West South Central	**10**	**45**	**164**	**2**	**5**	**--**	**--**
Arkansas	0	131	0	32	--	--	--
Louisiana	0	0	259	2	6	--	--
Oklahoma	43	330	0	79	--	--	--
Texas	0	51	0	3	7	--	--
Mountain	**39**	**715**	**0**	**27**	**13**	**--**	**--**
Arizona	55	396	0	1,353	--	--	--
Colorado	--	2,963	--	234	--	--	--
Idaho	104	--	--	29	--	--	--
Montana	--	950	--	350	532	--	--
Nevada	--	--	--	60	--	--	--
New Mexico	--	1,058	--	143	--	--	--
Utah	0	--	--	68	102	--	--
Wyoming	62	3,323	--	14	9	--	--
Pacific Contiguous	**0**	**201**	**0**	**10**	**6**	**--**	**704**
California	0	898	0	10	6	--	--
Oregon	--	398	--	84	--	--	--
Washington	0	220	--	0	--	--	704
Pacific Noncontiguous	**111**	**149**	**--**	**145**	**114**	**--**	**130**
Alaska	--	18	--	145	--	--	--
Hawaii	111	170	--	--	114	--	130
U.S. Total	**5**	**50**	**57**	**2**	**4**	**--**	**13**

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 2011 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, April 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	--	--	**3**	--	**3**	--	**33**	**12**
Connecticut	--	--	--	--	--	--	88	87
Maine	--	--	3	--	3	--	0	10
Massachusetts	--	--	--	--	--	--	--	96
New Hampshire	--	--	340	--	340	--	--	247
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	209
Middle Atlantic	--	--	**9**	**99**	**9**	--	**0**	**14**
New Jersey	--	--	--	--	--	--	0	59
New York	--	--	0	--	0	--	--	20
Pennsylvania	--	--	12	99	12	--	--	17
East North Central	--	--	**6**	--	**6**	--	**16**	**7**
Illinois	--	--	0	--	0	--	0	14
Indiana	--	--	78	--	78	--	18	12
Michigan	--	--	9	--	9	--	0	24
Ohio	--	--	9	--	9	--	0	37
Wisconsin	--	--	10	--	10	--	47	11
West North Central	--	--	**9**	--	**9**	--	**46**	**12**
Iowa	--	--	0	--	0	--	--	14
Kansas	--	--	--	--	--	--	--	0
Minnesota	--	--	9	--	9	--	46	20
Missouri	--	--	130	--	130	--	--	92
Nebraska	--	--	--	--	--	--	--	145
North Dakota	--	--	99	--	99	--	--	63
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	--	--	**2**	--	**2**	--	**3**	**3**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	6	--	6	--	2	6
Georgia	--	--	4	--	4	--	33	5
Maryland	--	--	0	--	0	--	--	20
North Carolina	--	--	5	--	5	--	0	10
South Carolina	--	--	0	--	0	--	0	4
Virginia	--	--	5	--	5	--	0	10
West Virginia	--	--	--	--	--	--	0	5
East South Central	--	--	**3**	--	**3**	--	**73**	**4**
Alabama	--	--	4	--	4	--	0	6
Kentucky	--	--	3	--	3	--	--	38
Mississippi	--	--	3	--	3	--	110	7
Tennessee	--	--	10	--	10	--	0	6
West South Central	--	--	**4**	--	**4**	--	**11**	**2**
Arkansas	--	--	3	--	3	--	0	4
Louisiana	--	--	6	--	6	--	6	2
Oklahoma	--	--	24	--	24	--	0	29
Texas	--	--	9	--	9	--	19	2
Mountain	--	--	**8**	**171**	**8**	--	**11**	**14**
Arizona	--	--	--	--	--	--	--	57
Colorado	--	--	--	--	--	--	54	87
Idaho	--	--	0	--	0	--	0	14
Montana	--	--	37	--	37	--	--	48
Nevada	--	--	--	171	171	--	--	60
New Mexico	--	--	--	--	--	--	--	143
Utah	--	--	--	--	--	--	0	35
Wyoming	--	--	--	--	--	--	0	15
Pacific Contiguous	--	--	**7**	--	**7**	--	**12**	**7**
California	--	--	14	--	14	--	12	8
Oregon	--	--	9	--	9	--	0	16
Washington	--	--	9	--	9	--	--	9
Pacific Noncontiguous	--	--	**37**	--	**37**	--	--	**80**
Alaska	--	--	137	--	137	--	--	65
Hawaii	--	--	38	--	38	--	--	91
U.S. Total	--	--	**2**	**86**	**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 April 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**32**	**9**	**--**	**10**	**--**	**--**	**8**
Connecticut	--	144	--	44	--	--	--
Maine	0	7	--	9	--	--	8
Massachusetts	86	152	--	54	--	--	179
New Hampshire	--	349	--	150	--	--	180
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	104
Middle Atlantic	**7**	**6**	**155**	**20**	**8**	**--**	**58**
New Jersey	--	194	--	34	31	--	--
New York	10	4	--	37	--	--	58
Pennsylvania	9	122	155	30	6	--	--
East North Central	**4**	**37**	**51**	**19**	**6**	**--**	**41**
Illinois	4	1,281	--	39	39	--	--
Indiana	59	2	--	24	6	--	--
Michigan	22	0	207	50	--	--	99
Ohio	12	116	228	99	30	--	--
Wisconsin	6	185	0	54	--	--	45
West North Central	**7**	**133**	**--**	**45**	**64**	**--**	**39**
Iowa	7	146	--	59	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota	16	231	--	75	--	--	39
Missouri	43	580	--	471	--	--	--
Nebraska	65	--	--	--	--	--	--
North Dakota	37	170	--	145	64	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	**6**	**16**	**0**	**10**	**0**	**--**	**3**
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	31	49	--	11	0	--	--
Georgia	7	15	0	25	--	--	190
Maryland	0	0	--	87	--	--	--
North Carolina	34	55	--	72	--	--	400
South Carolina	17	0	--	0	0	--	--
Virginia	15	43	--	58	--	--	172
West Virginia	2	--	--	241	0	--	0
East South Central	**5**	**64**	**--**	**11**	**6**	**--**	**--**
Alabama	22	69	--	12	6	--	--
Kentucky	--	--	--	44	--	--	--
Mississippi	0	0	--	30	0	--	--
Tennessee	3	222	--	29	0	--	--
West South Central	**3**	**75**	**75**	**1**	**2**	**--**	**--**
Arkansas	0	114	0	17	--	--	--
Louisiana	0	0	101	1	3	--	--
Oklahoma	24	534	0	48	--	--	--
Texas	0	100	68	2	3	--	--
Mountain	**20**	**226**	**0**	**13**	**5**	**--**	**--**
Arizona	31	130	0	1,530	--	--	--
Colorado	--	1,537	--	123	--	--	--
Idaho	46	--	--	19	--	--	--
Montana	--	405	--	206	285	--	--
Nevada	--	--	--	32	--	--	--
New Mexico	--	549	--	79	--	--	--
Utah	0	--	--	41	51	--	--
Wyoming	28	1,408	--	7	4	--	--
Pacific Contiguous	**0**	**45**	**0**	**5**	**3**	**--**	**359**
California	0	251	0	5	3	--	--
Oregon	--	88	--	41	--	--	--
Washington	0	49	--	0	--	--	359
Pacific Noncontiguous	**63**	**73**	**--**	**74**	**56**	**--**	**66**
Alaska	--	9	--	74	--	--	--
Hawaii	63	97	--	--	56	--	66
U.S. Total	**2**	**16**	**31**	**1**	**2**	**--**	**7**

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 2011 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 April 2011 (Continued)

(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England	--	--	**1**	--	**1**	--	**11**	**5**
Connecticut	--	--	--	--	--	--	50	41
Maine	--	--	1	--	1	--	0	4
Massachusetts	--	--	--	--	--	--	--	46
New Hampshire	--	--	132	--	132	--	--	113
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	104
Middle Atlantic	--	--	**4**	**70**	**4**	--	**0**	**7**
New Jersey	--	--	--	--	--	--	0	26
New York	--	--	0	--	0	--	--	10
Pennsylvania	--	--	6	70	6	--	--	9
East North Central	--	--	**3**	--	**3**	--	**5**	**4**
Illinois	--	--	0	--	0	--	0	6
Indiana	--	--	46	--	46	--	5	6
Michigan	--	--	4	--	4	--	0	15
Ohio	--	--	5	--	5	--	0	13
Wisconsin	--	--	5	--	5	--	30	6
West North Central	--	--	**4**	--	**4**	--	**26**	**6**
Iowa	--	--	0	--	0	--	--	7
Kansas	--	--	--	--	--	--	--	0
Minnesota	--	--	4	--	4	--	26	9
Missouri	--	--	74	--	74	--	--	41
Nebraska	--	--	--	--	--	--	--	65
North Dakota	--	--	65	--	65	--	--	30
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	--	--	**1**	--	**1**	--	**1**	**2**
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	3	--	3	--	1	4
Georgia	--	--	2	--	2	--	19	3
Maryland	--	--	0	--	0	--	--	11
North Carolina	--	--	3	--	3	--	0	6
South Carolina	--	--	0	--	0	--	0	3
Virginia	--	--	3	--	3	--	0	7
West Virginia	--	--	--	--	--	--	0	2
East South Central	--	--	**1**	--	**1**	--	**47**	**2**
Alabama	--	--	2	--	2	--	0	4
Kentucky	--	--	2	--	2	--	--	17
Mississippi	--	--	2	--	2	--	63	5
Tennessee	--	--	5	--	5	--	0	3
West South Central	--	--	**2**	--	**2**	--	**6**	**1**
Arkansas	--	--	1	--	1	--	0	2
Louisiana	--	--	3	--	3	--	4	2
Oklahoma	--	--	13	--	13	--	0	17
Texas	--	--	5	--	5	--	11	1
Mountain	--	--	**4**	**120**	**4**	--	**5**	**7**
Arizona	--	--	--	--	--	--	--	32
Colorado	--	--	--	--	--	--	30	45
Idaho	--	--	0	--	0	--	0	8
Montana	--	--	18	--	18	--	--	26
Nevada	--	--	--	120	120	--	--	32
New Mexico	--	--	--	--	--	--	--	79
Utah	--	--	--	--	--	--	0	17
Wyoming	--	--	--	--	--	--	0	7
Pacific Contiguous	--	--	**3**	--	**3**	--	**6**	**4**
California	--	--	7	--	7	--	6	4
Oregon	--	--	4	--	4	--	0	8
Washington	--	--	3	--	3	--	--	3
Pacific Noncontiguous	--	--	**22**	--	**22**	--	--	**30**
Alaska	--	--	85	--	85	--	--	39
Hawaii	--	--	23	--	23	--	--	35
U.S. Total	--	--	**1**	**60**	**1**	--	**3**	**1**

Table A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	**1**	**2**	**2**	**0**	**2**
Connecticut	*	1	4	0	1
Maine	1	1	1	0	1
Massachusetts	1	1	2	0	2
New Hampshire	1	1	3	0	1
Rhode Island	20	18	40	0	22
Vermont	2	3	4	0	5
Middle Atlantic	*****	*****	**0**	**0**	*****
New Jersey	*	*	1	0	1
New York	*	*	2	0	1
Pennsylvania	*	*	0	0	1
East North Central	*****	**1**	**1**	**0**	**1**
Illinois	1	1	1	0	1
Indiana	1	2	1	0	2
Michigan	1	1	1	0	1
Ohio	1	1	1	0	1
Wisconsin	1	1	2	0	2
West North Central	**1**	**1**	**1**	**0**	**2**
Iowa	2	3	2	0	3
Kansas	5	2	5	0	4
Minnesota	1	2	2	0	3
Missouri	1	1	2	0	2
Nebraska	3	1	2	0	8
North Dakota	2	1	4	0	9
South Dakota	3	2	3	0	11
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	1	2	4	0	3
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	3	1	3	0	2
Maryland	1	1	2	0	2
North Carolina	2	1	2	0	2
South Carolina	3	1	2	0	2
Virginia	2	1	3	0	1
West Virginia	1	1	0	0	1
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	3	2	2	0	2
Kentucky	1	2	1	0	2
Mississippi	5	2	3	0	4
Tennessee	1	2	2	0	2
West South Central	**2**	**1**	**1**	**0**	**1**
Arkansas	4	2	3	*	3
Louisiana	3	2	1	0	2
Oklahoma	4	2	4	0	3
Texas	2	1	1	0	2
Mountain	*****	*****	**1**	**0**	**1**
Arizona	*	*	2	0	1
Colorado	1	*	3	0	1
Idaho	2	1	1	0	4
Montana	3	1	2	0	8
Nevada	1	*	0	0	1
New Mexico	2	1	3	0	2
Utah	1	1	1	0	1
Wyoming	3	1	1	0	4
Pacific Contiguous	*****	*****	**1**	**0**	**1**
California	*	*	1	0	*
Oregon	2	1	2	0	5
Washington	1	1	2	0	4
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**4**
Alaska	3	2	4	0	10
Hawaii	0	0	0	0	0
U.S. Total	**1**	*****	**0**	**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 2011 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 April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**0**	*****
Connecticut	*	1	3	0	1
Maine	*	*	1	0	*
Massachusetts	1	1	1	0	1
New Hampshire	*	*	1	0	1
Rhode Island	4	4	10	0	5
Vermont	2	2	2	0	2
Middle Atlantic	*****	*****	**1**	**0**	*****
New Jersey	*	*	1	0	*
New York	1	1	4	0	1
Pennsylvania	*	*	0	0	*
East North Central	*****	*****	**0**	**0**	*****
Illinois	*	*	0	0	*
Indiana	1	1	1	0	1
Michigan	*	*	1	0	*
Ohio	*	*	1	0	*
Wisconsin	1	1	1	0	1
West North Central	**1**	*****	**1**	**0**	**1**
Iowa	1	1	1	0	1
Kansas	2	1	2	0	2
Minnesota	1	1	1	0	1
Missouri	1	1	1	0	1
Nebraska	1	1	1	0	3
North Dakota	1	*	2	0	4
South Dakota	1	1	1	0	4
South Atlantic	**1**	*****	**1**	**0**	**1**
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	1	*	2	0	1
Georgia	2	1	1	0	1
Maryland	1	*	1	0	1
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	*	1	0	1
West Virginia	*	*	0	0	*
East South Central	**1**	**1**	**0**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	1	2	0	2
Tennessee	1	1	1	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	1	1	*	2
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	1
Mountain	*****	*****	**0**	**0**	*****
Arizona	*	*	1	0	*
Colorado	1	1	2	0	1
Idaho	1	*	1	0	2
Montana	1	1	1	0	3
Nevada	*	1	0	0	*
New Mexico	1	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	*	0	0	2
Pacific Contiguous	*****	*****	**1**	**0**	**1**
California	*	*	1	0	*
Oregon	1	*	1	0	2
Washington	*	*	2	0	2
Pacific Noncontiguous	**1**	*****	**0**	**0**	**2**
Alaska	1	1	2	0	4
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 2011 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, April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	*	1	2	0	1
Maine	*	1	1	0	1
Massachusetts	1	1	1	0	1
New Hampshire	*	1	2	0	1
Rhode Island	20	17	33	0	19
Vermont	2	3	5	0	4
Middle Atlantic	*****	*****	*****	**0**	*****
New Jersey	*	*	1	0	1
New York	*	*	1	0	*
Pennsylvania	*	*	*	0	1
East North Central	*****	**1**	**1**	**0**	**1**
Illinois	1	1	1	0	1
Indiana	1	2	1	0	2
Michigan	*	1	1	0	1
Ohio	1	1	1	0	1
Wisconsin	1	1	2	0	2
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	4	3	0	4
Kansas	4	2	5	0	3
Minnesota	1	2	2	0	3
Missouri	1	2	3	0	3
Nebraska	3	2	3	0	3
North Dakota	2	1	6	0	3
South Dakota	3	2	4	0	4
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	1	2	5	0	3
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	3	1	3	0	2
Maryland	1	1	2	0	1
North Carolina	2	1	3	0	2
South Carolina	3	1	2	0	2
Virginia	2	1	3	0	2
West Virginia	1	1	*	0	1
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	3	1	2	0	2
Kentucky	1	2	2	0	2
Mississippi	4	2	4	0	3
Tennessee	1	2	3	0	2
West South Central	**2**	**1**	**1**	**1**	**1**
Arkansas	3	2	4	123	3
Louisiana	3	1	1	0	2
Oklahoma	3	2	4	0	3
Texas	2	1	2	0	1
Mountain	**1**	*****	**1**	**0**	**1**
Arizona	1	*	1	0	1
Colorado	2	1	2	0	1
Idaho	2	1	2	0	2
Montana	3	1	4	0	3
Nevada	1	1	*	0	1
New Mexico	3	1	3	0	2
Utah	2	1	1	0	2
Wyoming	3	1	1	0	2
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	1	3	0	2
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	3	3	4	0	4
Hawaii	0	0	0	0	0
U.S. Total	**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 "*".)

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 2011 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 April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	1	1	1	0	1
New Hampshire	*	*	1	0	*
Rhode Island	4	4	9	0	4
Vermont	1	2	2	0	2
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	1	1	1	*	1
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	*	1	*	0	*
Indiana	1	1	1	0	1
Michigan	*	*	1	0	*
Ohio	*	*	1	0	*
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	1	2	1	0	1
Kansas	2	1	2	0	2
Minnesota	1	1	1	0	1
Missouri	1	1	2	0	1
Nebraska	1	1	2	0	2
North Dakota	1	1	3	0	2
South Dakota	1	1	2	0	2
South Atlantic	**1**	*****	**1**	**0**	**1**
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	1	*	2	0	1
Georgia	2	1	1	0	1
Maryland	*	*	1	0	*
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	1	2	0	1
West Virginia	*	1	*	0	*
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	1	2	0	2
Tennessee	1	1	1	0	1
West South Central	**1**	**1**	**1**	*****	**1**
Arkansas	2	1	2	66	2
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	0	2
Texas	1	1	1	0	1
Mountain	*****	*****	**1**	**0**	*****
Arizona	1	*	1	0	*
Colorado	1	1	2	0	1
Idaho	1	1	1	0	1
Montana	1	1	2	0	2
Nevada	*	*	*	0	*
New Mexico	2	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	*	2	0	1
Washington	*	*	2	0	1
Pacific Noncontiguous	*****	*****	*****	**0**	**1**
Alaska	2	1	2	0	2
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

* = 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 2011 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, April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	**1**	**2**	**2**	**0**	**2**
Connecticut	*	1	0	0	1
Maine	1	1	1	0	2
Massachusetts	1	2	2	0	2
New Hampshire	1	1	3	0	2
Rhode Island	28	24	52	0	29
Vermont	0	4	6	0	6
Middle Atlantic	**0**	*****	**1**	**0**	*****
New Jersey	*	*	2	0	1
New York	0	*	2	0	1
Pennsylvania	*	1	1	0	1
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	1	1	0	2
Indiana	2	3	2	0	3
Michigan	0	0	0	0	0
Ohio	1	1	2	0	2
Wisconsin	1	2	3	0	3
West North Central	**1**	**1**	**2**	**0**	**2**
Iowa	3	5	4	0	5
Kansas	6	3	6	0	5
Minnesota	2	2	3	0	4
Missouri	2	2	4	0	4
Nebraska	0	0	2	0	7
North Dakota	3	0	0	0	9
South Dakota	4	2	4	0	11
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	2	2	6	0	4
District of Columbia	0	0	0	0	0
Florida	2	1	5	0	2
Georgia	3	1	4	0	0
Maryland	1	1	3	0	2
North Carolina	3	1	3	0	3
South Carolina	3	1	3	0	3
Virginia	0	0	0	0	0
West Virginia	1	1	*	0	1
East South Central	**2**	**2**	**1**	**0**	*****
Alabama	4	2	2	0	3
Kentucky	1	3	2	0	2
Mississippi	6	3	5	0	4
Tennessee	1	3	3	0	0
West South Central	**2**	**1**	**1**	**0**	**1**
Arkansas	5	3	0	*	0
Louisiana	4	2	2	0	3
Oklahoma	5	2	5	0	4
Texas	2	1	2	0	2
Mountain	**1**	*****	**1**	**0**	**1**
Arizona	0	0	2	0	1
Colorado	0	1	4	0	2
Idaho	2	1	2	0	5
Montana	4	1	0	0	8
Nevada	1	1	1	0	1
New Mexico	3	1	3	0	3
Utah	2	1	2	0	2
Wyoming	4	1	2	0	5
Pacific Contiguous	**0**	**0**	**0**	**0**	**0**
California	0	0	0	0	0
Oregon	2	1	4	0	5
Washington	0	*	3	0	0
Pacific Noncontiguous	**2**	**1**	**1**	**0**	**4**
Alaska	4	3	5	0	10
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 2011 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 April 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	**1**	**1**	**1**	**0**	**1**
Connecticut	*	1	3	0	1
Maine	1	1	1	0	1
Massachusetts	1	1	1	0	1
New Hampshire	1	1	2	0	1
Rhode Island	6	6	14	0	7
Vermont	2	2	3	0	2
Middle Atlantic	**1**	**1**	**1**	**0**	*****
New Jersey	*	*	1	0	*
New York	1	1	4	0	1
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	1	1	1	0	1
Indiana	1	1	1	0	1
Michigan	1	1	1	0	1
Ohio	1	1	1	0	1
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	2	2	0	2
Kansas	3	1	3	0	3
Minnesota	2	1	2	0	1
Missouri	1	1	2	0	1
Nebraska	1	1	2	0	4
North Dakota	1	1	4	0	4
South Dakota	2	1	3	0	5
South Atlantic	**1**	*****	**1**	**0**	**1**
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	1
Georgia	2	1	2	0	2
Maryland	1	1	2	0	1
North Carolina	2	1	2	0	1
South Carolina	2	1	1	0	2
Virginia	1	1	2	0	1
West Virginia	*	1	*	0	*
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	1	1	0	2
Kentucky	1	2	1	0	1
Mississippi	3	2	3	0	2
Tennessee	1	2	2	0	1
West South Central	**2**	**1**	**1**	**0**	**1**
Arkansas	3	2	2	*	2
Louisiana	2	1	1	0	1
Oklahoma	3	1	3	0	2
Texas	2	1	1	0	1
Mountain	*****	*****	**1**	**0**	**1**
Arizona	1	1	1	0	1
Colorado	1	1	2	0	1
Idaho	1	1	1	0	2
Montana	1	1	3	0	4
Nevada	1	1	*	0	*
New Mexico	2	2	3	0	2
Utah	2	1	1	0	1
Wyoming	2	1	1	0	2
Pacific Contiguous	*****	*****	**1**	**0**	**1**
California	*	*	1	0	*
Oregon	1	1	2	0	2
Washington	1	*	3	0	2
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**2**
Alaska	2	2	2	0	5
Hawaii	0	0	0	0	0
U.S. Total	**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 2011 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 April 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
January							
01/11/11	New Athens Generating Co. LLC(NPCC)	11:08 p.m.	Athens, New York	Electrical Fault at Generator	0	0	11:08 p.m. January 11
01/12/11	National Grid(NPCC)	6:00 a.m.	Massachusetts	Winter Storm	N/A	80,000	2:00 p.m. January 12
01/13/11	JEA(FRCC)	7:21 a.m.	North Florida	Firm System Load Shed	150	20,900	8:13 a.m. January 13
01/26/11	Potomac Electric Power Co/ PEPCO Holdings Inc.(RFC)	5:00 p.m.	Montgomery and Prince George's County, Maryland and District of Columbia	Winter Storm	N/A	210,000	8:00 a.m. January 31
01/26/11	Baltimore Gas and Electric Company(RFC)	6:28 p.m.	Maryland	Winter Storm	N/A	234,326	5:00 p.m. January 29
01/26/11	Dominion - Virginia Power(SERC)	7:43 p.m.	Northern Virginia	Winter Storm	600	150,084	6:18 p.m. January 27
01/27/11	Delmarva Power & Light Company(RFC)	9:30 a.m.	Hockessin, Delaware	Vandalism	0	0	9:30 a.m. January 27
01/27/11	AES Greenidge, LLC(NPCC)	5:00 p.m.	Central New York	Fuel Supply Deficiency (Coal)	108	N/A	5:00 a.m. January 30
01/31/11	Duke Energy Midwest(RFC)	10:00 p.m.	Southwestern Ohio and Indiana	Ice Storm	996	272,880	12:00 p.m. February 03
February							
02/01/11	American Electric Power - Ohio(RFC)	3:00 p.m.	Indiana, Ohio	Winter Storm	Unknown	158,013	12:00 p.m. February 03
02/01/11	Exelon Corp/ComEd - Commonwealth Edison(RFC)	9:00 p.m.	Northern Illinois	Winter Storm	Unknown	190,000	2:00 p.m. February 02
02/02/11	Exelon Corporation/PECO(RFC)	3:00 a.m.	Philadelphia area, Pennsylvania	Winter Storm	Unknown	213,000	11:59 p.m. February 04
02/02/11	ERCOT ISO(TRE)	5:43 a.m.	Texas	Generation Inadequacy/Load Shed	4,000	1,069,730	10:00 a.m. February 03
02/02/11	Salt River Project(WECC)	6:22 a.m.	Central Arizona	Generation Inadequacy/Load Shed	3,963	69,000	9:57 a.m. February 02
02/02/11	El Paso Electric Company(WECC)	7:24 a.m.	Dona Ana and El Paso Counties, Texas and Hudspeth County, New Mexico	Generation Inadequacy/Load Shed	280	178,000	10:23 p.m. February 02
02/02/11	Southwestern Public Service(SPP)	5:00 p.m.	Texas Panhandle, Southeastern New Mexico	Fuel Supply Deficiency (Natural Gas)	Unknown	Unknown	10:00 p.m. February 03
02/03/11	San Diego Gas and Electric Company(WECC)	3:00 p.m.	San Diego area, California	Fuel Supply Deficiency (Natural Gas)	N/A	Unknown	12:00 p.m. February 04
02/03/11	ERCOT ISO(TRE)	10:04 p.m.	Texas	Generation Inadequacy/Load Shed	400	86,013	12:32 p.m. February 04
02/09/11	CenterPoint Energy(TRE)	3:45 a.m.	Western Houston, Texas	Winter Storm	399	60,000	9:12 a.m. February 09
02/09/11	ERCOT ISO(TRE)	4:30 p.m.	Texas	Cold Weather Event	N/A	N/A	12:33 p.m. February 10
02/17/11	Pacific Gas and Electric(WECC)	1:25 a.m.	Northern and Central California	Major Storm	91	80,000	10:13 a.m. February 19
02/19/11	Exelon Corporation/PECO(RFC)	12:30 p.m.	Philadelphia area, Pennsylvania	Major Storm	Unknown	118,000	4:00 a.m. February 20
02/20/11	Consumers Energy(RFC)	4:00 p.m.	Southern Lower Peninsula, Michigan	Winter Storm	262	160,000	4:00 p.m. February 23
02/24/11	American Electric Power (CSWS-SPP)(SPP)	4:51 p.m.	Arkansas	Electrical System Separation (Islanding)	4	Unknown	4:54 p.m. February 24
02/25/11	Pacific Gas and Electric(WECC)	8:00 a.m.	Northern and Central California	Winter Storm	91	80,000	5:30 p.m. February 28
02/25/11	Dominion - Virginia Power(SERC)	3:20 p.m.	Virginia	Severe Weather	Unknown	50,000	6:00 p.m. February 25
02/25/11	Baltimore Gas & Electric(RFC)	3:23 p.m.	Maryland	Severe Weather	Unknown	93,000	6:00 p.m. February 27
March							
03/01/11	AES Somerset(NPCC)	8:00 a.m.	Western New York	Fuel Supply Deficiency (Coal)	675	Unknown	9:30 a.m. March 05
03/08/11	AES Somerset(NPCC)	8:00 a.m.	Western New York	Fuel Supply Deficiency (Coal)	676	Unknown	9:00 a.m. March 18
03/11/11	Pacific Gas and Electric(WECC)	7:02 a.m.	Humboldt and Eureka, California	Generation Inadequacy/Load Shed	15	6,800	9:15 a.m. March 11

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through April 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected [1]	Restoration Date/Time
03/13/11	PacifiCorp(WECC)	2:20 p.m.	Oregon	Severe Weather	Unknown	9,000	3:46 p.m. March 14
03/19/11	Pacific Gas and Electric(WECC)	11:56 p.m.	Northern and Central California	Major Storm	91	128,000	7:10 p.m. March 24
03/20/11	Los Angeles Department of Water and Power(WECC)	9:44 a.m.	Los Angeles, California	Major Storm	Unknown	79,000	10:00 a.m. March 21
03/21/11	Southern California Edison Company (SCE)(WECC)	12:35 p.m.	Southern California	Major Storm	150	54,332	2:45 p.m. March 21
03/23/11	American Electric Power - AEP(RFC)	6:30 p.m.	Indiana. Kentucky, Michigan, Ohio, Tennessee, Virginia, West Virginia	Major Storm	Unknown	60,596	4:55 a.m. March 24
03/27/11	Pacific Gas and Electric(WECC)	1:27 p.m.	Sonoma and Central Valley, California	Transmission Level Outage	295	165,000	5:00 p.m. March 27
03/31/11	Tampa Electric Company(FRCC)	11:30 a.m.	Greater Tampa Bay, Florida	Severe Weather	206	87,000	8:30 p.m. March 31
03/31/11	Progress Energy Florida (PEF)(FRCC)	2:30 p.m.	Central and Western Florida	Severe Weather	Unknown	50,000	11:59 p.m. April 01
April							
04/04/11	Tennessee Valley Authority(RFC)	11:47 a.m.	Memphis, Tennessee	Severe Weather	359	63,000	12:01 a.m. April 08
04/04/11	Memphis Light Gas and Water Division(SERC)	1:00 p.m.	Shelby County, Tennessee	Severe Weather	300	63,000	12:00 a.m. April 05
04/04/11	Tennessee Valley Authority(SERC)	2:00 p.m.	Davidson Count, Tennessee	Severe Weather	300	73,000	12:01 a.m. April 08
04/04/11	Entergy Corporation(RFC)	7:00 p.m.	Southeast Arkansas, Southeast Louisiana, Western Mississippi, Eastern Texas	Severe Weather	Unknown	74,645	8:00 p.m. April 05
04/04/11	American Electric Power (AEP) (WECC)	7:00 p.m.	Kentucky, West Virginia	Severe Weather	Unknown	52,920	12:00 p.m. April 05
04/04/11	Southern Company(SERC)	9:00 p.m.	Alabama, Florida, Georgia, Mississippi	Severe Weather	674	303,434	11:30 p.m. April 05
04/05/11	Duke Energy Carolinas(SERC)	2:00 a.m.	North Carolina, South Carolina	Severe Weather	1,200	256,000	11:00 p.m. April 07
04/16/11	Progress Energy Carolinas Inc(SERC)	2:16 p.m.	Central and Eastern North Carolina	Severe Weather	Unknown	220,000	4:30 p.m. April 17
04/19/11	Ameren Illinois(SERC)	8:00 p.m.	Illinois	Severe Weather	Unknown	80,000	10:00 p.m. April 19
04/19/11	Memphis Light Gas and Water Division(SERC)	10:44 p.m.	Memphis, Tennessee	Severe Weather	100	64,000	2:00 a.m. April 20
04/19/11	Tennessee Valley Authority(WECC)	11:02 p.m.	Memphis, Tennessee	Severe Weather	300	105,000	5:32 p.m. April 21
04/19/11	Constellation Energy Control and Dispatch(RFC)	11:13 p.m.	Osceola, Arkansas	Severe Weather	22	Unknown	7:14 p.m. April 20
04/20/11	Duke Energy Midwest(SERC)	2:00 a.m.	Indiana, Kentucky, Ohio	Severe Weather - High Winds	Unknown	165,711	12:00 p.m. April 21
04/20/11	City of Ruston & Constellation Energy(SERC)	8:07 a.m.	Ruston, Louisiana	Equipment Malfunction	33	11,000	8:14 a.m. April 20
04/22/11	Ameren(SERC)	9:00 p.m.	Metro St. Louis area, Missouri	Severe Weather	0	55,000	11:00 p.m. April 22
04/25/11	Tennessee Valley Authority(WECC)	4:33 p.m.	Northeast Tennessee	Equipment Malfunction	140	Unknown	5:19: p.m. April 25
04/25/11	Entergy Corporation(SPP)	5:30 p.m.	Arkansas, Louisiana, Mississippi	Severe Weather	Unknown	141,700	6:00 p.m. April 27
04/26/11	Entergy Corporation(SERC)	5:49 a.m.	Southern Louisiana	Severe Weather	120	Unknown	9:59 a.m. April 27
04/26/11	Tennessee Valley Authority(SERC)	9:51 a.m.	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	Unknown	55,000	9:51 a.m. April 28
04/26/11	West Memphis Utilities(RFC)	6:14 p.m.	Eastern Arkansas	Severe Weather	50	13,000	5:00 p.m. April 28
04/27/11	Southern Company(WECC)	8:00 a.m.	Alabama, Florida, Georgia, Mississippi	Severe Weather	1,422	426,640	4:03 p.m. May 02
04/27/11	Tennessee Valley Authority(SERC)	10:00 a.m.	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	Unknown	612,000	4:29 p.m. April 29
04/27/11	American Electric Power(SERC)	10:00 p.m.	Ohio, Tennessee, Virginia	Severe Weather	0	69,000	10:00 a.m. April 28
04/28/11	FirstEnergy Service Company(RFC)	5:00 a.m.	Cleveland area, Ohio	Severe Weather	Unknown	86,000	6:30 p.m. April 30
04/28/11	Mesquite Power, LLC(WECC)	4:09 p.m.	Phoenix, Arizona	Equipment Malfunction	960	Unknown	4:10 p.m. April 28

[1] Estimated values.
Note: Estimates for 2011 are preliminary.
Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Table B.2. Major Disturbances and Unusual Occurrences, 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.2. Major Disturbances and Unusual Occurrences, 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.2. Major Disturbances and Unusual Occurrences, 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.2. Major Disturbances and Unusual Occurrences, 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
December							
12/03/10	Pacific Gas and Electric (WECC)	9:32 p.m.	California	Electrical System Separation - Islanding	22	7,077	2:00 a.m. December 04
12/12/10	Detroit Edison (RFC)	4:30 p.m.	Southeastern Michigan	Severe Weather	210	60,175	2:00 p.m. December 15
12/14/10	Pacific Gas and Electric (WECC)	7:20 a.m.	California	Electrical System Separation - Islanding	9	6,635	7:25 a.m. December 14
12/14/10	California Department of Water Resources (WECC)	7:36 a.m.	Southern California	Transmission Equipment/Firm System Load	464	N/A	9:00 a.m. December 15
12/18/10	Puget Sound Energy (WECC)	5:00 a.m.	Redmond, Washington	Severe Weather	184	92,090	10:00 p.m. December 19
12/26/10	Progress Energy Carolinas (SERC)	8:15 a.m.	Carolina	Severe Weather	N/A	42,000	4:15 p.m. December 26
12/30/10	AES Cayuga (RFC)	2:00 p.m.	New York	Fuel Supply Deficiency	300	N/A	6:00 a.m. January 12

[1] Estimated values.
Note: Estimates for 2010 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[2,3,8,18,19,23,33].

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[15,18,21]. 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[16].

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[18, 22, 31].

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[19, 20, 21, 24]. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample[21,24]. 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[22]. 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[18].

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[15,16,22,23,25]. 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[16]," 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[15, 17, 18].

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[10,11,12,13]. 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[3,10,23].

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.[22,23,25,26,27,28,29] 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[17].

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[15,16,17,18,19,24].

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

[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.

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.

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[14]. 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[15]. 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.

Estimation. Regression prediction is used for all missing data, both for imputation for nonresponse, and to estimate for data not collected in the sample. 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.[20,22,23,25,26,27,28,29]

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 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, $\sum$, 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

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

contents of the components of MSW were obtained from various sources[1,7,,26,28].

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.

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

[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.

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, April 2011

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	**23.95**	**6.10**	**--**	**1.04**
Connecticut	--	5.90	--	1.02
Maine	25.28	6.17	--	1.05
Massachusetts	23.32	5.98	--	1.04
New Hampshire	25.51	6.17	--	1.04
Rhode Island	--	6.04	--	1.03
Vermont	--	5.81	--	1.00
Middle Atlantic	**22.41**	**5.98**	**28.65**	**1.02**
New Jersey	25.30	5.75	--	1.03
New York	22.64	6.11	28.65	1.02
Pennsylvania	22.28	5.85	28.65	1.03
East North Central	**20.04**	**5.86**	**28.07**	**1.02**
Illinois	17.77	5.77	--	1.01
Indiana	21.37	5.80	--	1.01
Michigan	19.35	5.93	28.43	1.01
Ohio	23.43	5.80	28.65	1.03
Wisconsin	18.31	5.99	27.61	1.01
West North Central	**16.84**	**5.82**	**27.66**	**1.01**
Iowa	17.29	5.73	27.66	1.01
Kansas	17.18	5.80	--	1.01
Minnesota	17.65	5.86	--	1.00
Missouri	17.62	5.82	--	1.02
Nebraska	16.94	5.80	--	1.01
North Dakota	13.34	5.94	--	1.01
South Dakota	16.49	5.97	--	1.01
South Atlantic	**23.52**	**6.22**	**28.22**	**1.01**
Delaware	24.49	5.75	--	1.02
District of Columbia	--	--	--	--
Florida	23.58	6.26	28.42	1.01
Georgia	20.92	6.19	26.51	1.02
Maryland	24.69	5.86	--	1.03
North Carolina	24.17	6.08	--	1.01
South Carolina	24.78	5.96	--	1.04
Virginia	24.75	6.24	--	1.03
West Virginia	23.99	5.90	--	1.02
East South Central	**21.39**	**5.83**	**28.62**	**1.01**
Alabama	20.78	5.82	--	1.02
Kentucky	22.74	5.83	28.62	1.02
Mississippi	15.56	5.80	--	1.01
Tennessee	21.47	5.89	--	1.01
West South Central	**15.89**	**5.90**	**28.98**	**1.02**
Arkansas	17.57	5.86	--	1.02
Louisiana	16.70	5.93	29.04	1.03
Oklahoma	17.04	6.00	28.64	1.04
Texas	15.35	5.88	28.65	1.02
Mountain	**18.96**	**5.68**	**29.10**	**1.02**
Arizona	19.18	5.80	--	1.01
Colorado	19.23	5.13	--	1.03
Idaho	21.54	5.83	--	1.01
Montana	16.72	4.87	29.10	1.01
Nevada	20.81	5.79	--	1.02
New Mexico	18.38	5.68	--	1.03
Utah	21.58	5.86	--	1.04
Wyoming	17.98	5.87	--	1.00
Pacific Contiguous	**19.41**	**5.80**	**28.74**	**1.02**
California	23.73	5.72	28.74	1.02
Oregon	16.65	5.84	--	1.02
Washington	16.81	5.80	--	1.02
Pacific Noncontiguous	**19.05**	**6.01**	**--**	**1.01**
Alaska	17.07	5.42	--	1.01
Hawaii	20.23	6.07	--	--
U.S. Total	**19.53**	**6.06**	**28.65**	**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 2011 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	1.45
Petroleum Coke	3.16	1.40	1.48
Natural Gas[3]	.69	.69	.45
Other Gases	12.61	2.37	1.48
Hydroelectric[4]	.46	2.73	.90
Nuclear	.01	*	.01
Other[5]	2.25	2.94	2.64
Total	**.17**	**.22**	**.11**
Consumption of Fossil Fuels for Electric Generation			
Coal[1]	.62	.32	.36
Petroleum Liquids[2]	5.15	3.54	1.80
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	.12
Commercial[7]	.48	1.22	1.20
Industrial[7]	2.19	2.76	4.03
Other[8]	--	--	--
Transportation[7]	5.63	.66	1.63
Total	**.44**	**.31**	**.60**
Revenue			
Residential[7]	.21	.77	.22
Commercial[7]	.66	.36	1.59
Industrial	2.71	.33	3.59
Other[8]	--	--	--
Transportation[7]	3.65	4.05	3.48
Total	**.33**	**.47**	**.14**
Average Retail Price			
Residential	.17	.83	.34
Commercial[7]	.35	.88	.41
Industrial[7]	.64	2.67	.57
Other[8]	--	--	--
Transportation[7]	8.18	4.66	4.60
Total	**.15**	**.78**	**.70**
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	25,972	.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	920,979	.1
Other Gases	15,414	13,453	-12.7	11,573	11,707	1.2	10,698	10,632	-.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	156,207	2.6
Total	**4,159,514**	**4,156,745**	**-.1**	**4,110,259**	**4,119,388**	**.2**	**3,953,111**	**3,950,331**	**-.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	43,562	-.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	7,121,069	.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	1,364,474	.1
Commercial[7]	1,342,673	1,336,315	-.5	1,352,453	1,335,981	-1.2	1,322,989	1,307,168	-1.2
Industrial[7]	1,005,828	1,027,832	2.2	982,150	1,009,300	2.8	881,903	917,442	4.0
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	7,738	8,173	5.6	7,652	7,700	.6	7,689	7,781	1.2
Total	**3,748,149**	**3,764,561**	**.4**	**3,721,562**	**3,732,962**	**.3**	**3,575,450**	**3,596,865**	**.6**
Retail Revenue (Million Dollars)									
Residential	148,027	148,295	.2	156,633	155,433	-.8	157,351	157,008	-.2
Commercial[7]	129,765	128,903	-.7	138,970	138,469	-.4	135,084	132,940	-1.6
Industrial[7]	63,972	65,712	2.7	68,889	68,920	*	60,341	62,504	3.6
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	805	792	-1.6	863	827	-4.2	859	828	-3.6
Total	**342,569**	**343,703**	**.3**	**365,355**	**363,650**	**-.5**	**353,635**	**353,280**	**-.1**
Average Retail Price (Cents/kWh)									
Residential	10.64	10.65	.1	11.36	11.26	-.9	11.55	11.51	-.4
Commercial[7]	9.67	9.65	-.2	10.28	10.36	.8	10.21	10.17	-.4
Industrial[7]	6.36	6.39	.5	7.01	6.83	-2.6	6.84	6.81	-.4
Other[8]	--	--	--	--	--	--	--	--	--
Transportation[7]	10.40	9.70	-6.7	11.28	10.74	-4.8	11.17	10.65	-4.7
Total	**9.14**	**9.13**	**-.1**	**9.82**	**9.74**	**-.8**	**9.89**	**9.82**	**-.7**
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.