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Contacts

The Electric Power Monthly is prepared by the U.S. Energy Information Administration.

Questions and comments concerning the contents of the Electric Power Monthly may be directed to:

Ronald Hankey, Project Leader
U.S. Energy Information Administration, EI-23
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC, 20585-0650

Email address: infoelectric@eia.gov

Subject specialists:

Subject	Specialist
U.S. electric net generation	Ronald Hankey
U.S. electric consumption of fuels	Christopher Cassar
U.S. electric stocks of fuels	Christopher Cassar
U.S. electric fossil-fuel receipts	Rebecca Peterson
U.S. electric fossil-fuel costs	Rebecca Peterson
U.S. retail sales of electricity	Charlene Harris-Russell
Sampling and estimation methodologies	James Knaub, Jr.

Requests for additional information on other statistics available from the U.S. Energy Information Administration or questions concerning subscriptions and report distribution may be directed to the Office of Communications of the U.S. Energy Information Administration at infoctr@eia.gov.

Preface

The Electric Power Monthly (EPM) presents monthly elec-tricity statistics for a wide audience including Con¬gress, Federal and State agencies, the electric power industry, and the general public. The purpose of this pub¬lication 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 responsi-bilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93 275) as amended.

Background

The Office of Electricity, Renewables & Uranium Statistics, U.S. EIA, U.S. 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;" and Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from: http://www.eia.gov/survey/#electricity. A detailed description of these forms and associated algorithms are found in Appendix C, “Technical Notes.”

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				Electric Utilities		Independent Power Producers					
Fuel	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Net Generation (Thousand Megawatthours)											
Coal	112,293	96,466	16.4%	84,568	75,189	26,701	20,214	58	64	965	998
Petroleum Liquids	965	1,030	-6.4%	729	814	193	152	6	6	36	58
Petroleum Coke	875	534	63.9%	574	293	148	86	0	0	153	156
Natural Gas	77,502	95,346	-18.7%	31,874	38,919	38,502	49,438	414	468	6,712	6,522
Other Gas	853	980	-12.9%	8	NM	199	233	0	NM	646	745
Nuclear	56,767	55,871	1.6%	28,991	27,884	27,776	27,987	0	0	0	0
Hydroelectric Conventional	24,764	26,136	-5.2%	22,537	24,033	1,971	1,940	NM	NM	252	160
Other Renewables	23,542	18,828	25.0%	2,983	2,390	18,266	14,121	235	221	2,059	2,097
Wood and Wood-Derived Fuels	2,594	2,666	-2.7%	99	95	513	547	NM	NM	1,980	2,022
Other Biomass	1,594	1,668	-4.4%	114	123	1,206	1,272	199	202	75	72
Geothermal	1,372	1,335	2.7%	74	87	1,298	1,248	0	0	0	0
Solar Thermal and Photovoltaic	683	346	97.3%	68	54	588	280	26	11	NM	NM
Wind	17,299	12,812	35.0%	2,628	2,031	14,660	10,773	8	6	NM	NM
Hydroelectric Pumped Storage	-264	-242	9.2%	-204	-227	-60	-15	0	0	0	0
Other Energy Sources	964	991	-2.7%	29	27	556	598	91	81	288	285
All Energy Sources	298,261	295,940	0.8%	172,088	169,322	114,254	114,753	808	843	11,111	11,022
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	60,957	51,893	17.5%	45,661	39,963	14,940	11,541	24	22	332	366
Petroleum Liquids (1000 barrels)	1,617	1,729	-6.5%	1,294	1,423	264	230	9	NM	49	66
Petroleum Coke (1000 tons)	335	202	65.2%	217	120	63	33	0	0	54	50
Natural Gas (1000 Mcf)	588,124	742,266	-20.8%	255,482	323,441	282,176	369,861	3,574	3,883	46,893	45,082
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,524	1,514	0.6%	0	0	257	247	90	92	1,177	1,175
Petroleum Liquids (1000 barrels)	228	225	1.3%	0	0	86	65	7	NM	135	154
Petroleum Coke (1000 tons)	98	114	-14.5%	0	0	10	9	0	0	88	105
Natural Gas (1000 Mcf)	72,001	72,067	-0.1%	0	0	25,648	26,221	3,251	3,546	43,101	42,301
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	62,481	53,407	17.0%	45,661	39,963	15,198	11,787	114	115	1,509	1,542
Petroleum Liquids (1000 barrels)	1,845	1,954	-5.6%	1,294	1,423	350	295	17	NM	184	220
Petroleum Coke (1000 tons)	432	317	36.5%	217	120	73	42	0	0	142	155
Natural Gas (1000 Mcf)	660,124	814,334	-18.9%	255,482	323,441	307,824	396,082	6,825	7,429	89,993	87,382
Fuel Stocks (end-of-month)											
Coal (1000 tons)	175,633	204,080	-13.9%	143,480	162,262	29,598	39,106	405	429	2,150	2,282
Petroleum Liquids (1000 barrels)	34,187	36,717	-6.9%	23,441	25,283	7,872	8,980	260	240	2,615	2,214
Petroleum Coke (1000 tons)	917	1,066	-13.9%	387	W	69	W	W	W	W	W

Sales, Revenue, and Average Retail Price for April									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	April 2013	April 2012	Percentage Change	April 2013	April 2012	Percentage Change	April 2013	April 2012	Percentage Change
Residential	95,334	88,300	8.0%	11,368	10,517	8.1%	11.92	11.91	0.1%
Commercial	101,380	100,839	0.5%	10,098	9,915	1.8%	9.96	9.83	1.3%
Industrial	77,691	80,604	-3.6%	5,060	5,158	-1.9%	6.51	6.40	1.7%
Transportation	625	604	3.4%	64	61	5.5%	10.23	10.02	2.1%
All Sectors	275,029	270,348	1.7%	26,590	25,651	3.7%	9.67	9.49	1.9%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Other Renewables include Wood and Wood-Derived Fuels, Other Biomass, Geothermal, Solar Thermal and Photovoltaic, and Wind.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
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 presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values are preliminary. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.
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 2013 and 2012

Net Generation and Consumption of Fuels for January through April											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	505,709	445,033	13.6%	377,820	339,102	123,418	101,312	295	296	4,175	4,324
Petroleum Liquids	4,656	4,037	15.3%	3,158	3,142	1,299	679	34	21	165	195
Petroleum Coke	3,741	3,458	8.2%	2,577	2,049	594	703	2	2	567	704
Natural Gas	330,839	370,581	-10.7%	137,778	148,154	162,305	192,962	1,871	1,970	28,885	27,494
Other Gas	3,490	3,974	-12.2%	18	NM	781	941	NM	NM	2,691	3,029
Nuclear	252,603	253,828	-0.5%	128,309	129,871	124,295	123,957	0	0	0	0
Hydroelectric Conventional	90,954	95,626	-4.9%	81,664	86,644	8,010	8,291	NM	NM	1,264	677
Other Renewables	87,309	76,593	14.0%	11,290	9,875	65,993	56,769	914	863	9,112	9,086
Wood and Wood-Derived Fuels	12,119	12,096	0.2%	641	561	2,662	2,742	8	8	8,807	8,785
Other Biomass	6,240	6,497	-4.0%	438	462	4,701	4,940	812	806	289	289
Geothermal	5,563	5,502	1.1%	355	373	5,207	5,129	0	0	0	0
Solar Thermal and Photovoltaic	2,032	819	148.1%	210	139	1,749	650	68	27	NM	NM
Wind	61,355	51,678	18.7%	9,644	8,340	51,674	43,307	25	22	12	9
Hydroelectric Pumped Storage	-1,339	-1,067	25.5%	-1,155	-898	-184	-169	0	0	0	0
Other Energy Sources	3,914	3,986	-1.8%	134	127	2,192	2,364	347	318	1,241	1,177
All Energy Sources	1,281,876	1,256,050	2.1%	741,593	718,070	488,703	487,809	3,480	3,485	48,100	46,686
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	273,748	243,087	12.6%	202,822	182,752	69,366	58,630	112	104	1,448	1,602
Petroleum Liquids (1000 barrels)	7,822	6,785	15.3%	5,576	5,501	1,991	1,016	50	31	205	237
Petroleum Coke (1000 tons)	1,376	1,256	9.6%	927	754	263	270	1	0	186	231
Natural Gas (1000 Mcf)	2,474,290	2,792,649	-11.4%	1,077,832	1,178,144	1,177,975	1,408,936	15,886	16,493	202,597	189,076
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	6,662	6,860	-2.9%	0	0	1,080	1,145	441	449	5,141	5,267
Petroleum Liquids (1000 barrels)	929	922	0.9%	0	0	302	277	51	33	576	612
Petroleum Coke (1000 tons)	446	431	3.5%	0	0	38	41	5	4	403	386
Natural Gas (1000 Mcf)	297,978	297,888	0.0%	0	0	105,402	105,528	14,174	15,645	178,402	176,714
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	280,410	249,948	12.2%	202,822	182,752	70,445	59,774	553	553	6,590	6,869
Petroleum Liquids (1000 barrels)	8,752	7,707	13.6%	5,576	5,501	2,293	1,293	101	64	781	849
Petroleum Coke (1000 tons)	1,822	1,687	8.0%	927	754	301	311	5	4	589	617
Natural Gas (1000 Mcf)	2,772,268	3,090,536	-10.3%	1,077,832	1,178,144	1,283,377	1,514,464	30,059	32,137	380,999	365,790

Sales, Revenue, and Average Retail Price for January through April									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	Percentage Change
Residential	451,277	421,612	7.0%	52,486	48,945	7.2%	11.63	11.61	0.2%
Commercial	413,522	407,570	1.5%	41,104	40,249	2.1%	9.94	9.88	0.6%
Industrial	308,325	318,235	-3.1%	20,149	20,546	-1.9%	6.53	6.46	1.1%
Transportation	2,565	2,535	1.2%	263	248	6.3%	10.26	9.77	5.0%
All Sectors	1,175,690	1,149,951	2.2%	114,002	109,987	3.7%	9.70	9.56	1.5%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Other Renewables include Wood and Wood-Derived Fuels, Other Biomass, Geothermal, Solar Thermal and Photovoltaic, and Wind.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
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 presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values are preliminary. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.
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, 2013 and 2012

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal (1000 tons)	61,218	60,281	46.63	48.01	328	547	254,503	275,701	45.67	46.97
Petroleum Liquids (1000 barrels)	1,020	1,785	128.89	139.30	175	1,259	6,880	8,123	126.74	133.21
Petroleum Coke (1000 tons)	387	362	74.26	75.81	11	26	1,355	1,609	72.32	74.16
Natural Gas (1000 Mcf)	591,634	841,659	4.79	2.75	709	1,843	2,472,596	3,177,867	4.54	3.22

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal (1000 tons)	45,280	43,369	47.68	49.77	230	296	187,780	197,504	46.79	47.70
Petroleum Liquids (1000 barrels)	638	1,221	131.95	142.34	115	843	4,491	5,576	128.40	136.04
Petroleum Coke (1000 tons)	291	169	63.79	57.09	6	4	972	755	59.40	59.25
Natural Gas (1000 Mcf)	248,814	328,913	5.00	3.18	358	809	1,052,696	1,194,565	4.60	3.60

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal (1000 tons)	15,251	15,226	42.45	41.10	75	115	63,888	71,059	41.27	43.31
Petroleum Liquids (1000 barrels)	349	288	W	141.28	48	204	2,235	1,404	124.28	136.42
Petroleum Coke (1000 tons)	54	69	W	W	2	6	210	382	W	W
Natural Gas (1000 Mcf)	286,246	398,841	4.68	2.46	309	576	1,184,916	1,515,885	4.64	3.00

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal (1000 tons)	10	121	W	61.89	2	22	65	520	W	57.83
Petroleum Liquids (1000 barrels)	0	78	--	127.42	0	88	0	126	--	128.47
Petroleum Coke (1000 tons)	0	NM	--	W	0	1	0	5	--	W
Natural Gas (1000 Mcf)	371	NM	W	NM	2	131	1,465	NM	W	3.92

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal (1000 tons)	677	1,566	W	65.23	21	114	2,770	6,619	W	63.83
Petroleum Liquids (1000 barrels)	34	199	W	122.45	12	124	154	1,017	112.21	113.83
Petroleum Coke (1000 tons)	43	125	W	W	3	15	173	468	W	W
Natural Gas (1000 Mcf)	56,203	106,067	W	2.44	40	327	233,519	433,511	W	2.88

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... A plant using more than one fuel may be counted multiple times.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Petroleum Coke includeds petroleum coke and synthesis gas derived from petroleum coke.
Note: Values are preliminary. Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2013 and 2012

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal	1,202,262	1,186,122	2.37	2.44	328	547	4,939,786	5,354,100	2.35	2.42
Petroleum Liquids	6,103	10,588	21.54	23.49	175	1,259	41,865	48,494	20.81	22.31
Petroleum Coke	11,010	10,386	2.61	2.64	11	26	38,553	46,074	2.54	2.59
Natural Gas	606,640	862,401	4.67	2.68	709	1,843	2,533,640	3,248,851	4.43	3.15
Fossil Fuels	1,826,015	2,069,451	3.16	2.65	914	2,886	7,553,832	8,697,386	3.12	2.80

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal	895,095	864,158	2.41	2.50	230	296	3,680,688	3,871,133	2.39	2.43
Petroleum Liquids	3,826	7,261	21.99	23.94	115	843	27,428	33,389	21.03	22.72
Petroleum Coke	8,309	4,870	2.23	1.98	6	4	27,846	21,754	2.07	2.06
Natural Gas	254,221	337,428	4.90	3.10	358	809	1,074,935	1,217,710	4.51	3.53
Fossil Fuels	1,161,452	1,213,689	3.02	2.79	499	1,500	4,810,885	5,143,908	2.96	2.82

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal	291,480	285,836	2.22	2.19	75	115	1,195,047	1,331,668	2.21	2.31
Petroleum Liquids	2,068	1,673	W	24.29	48	204	13,488	8,261	20.56	23.19
Petroleum Coke	1,507	1,982	W	W	2	6	5,849	10,914	W	W
Natural Gas	294,213	408,056	4.56	2.41	309	576	1,216,568	1,551,597	4.53	2.93
Fossil Fuels	589,268	697,530	W	W	369	787	2,430,951	2,902,386	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal	241	2,537	W	2.95	2	22	1,514	10,786	W	2.79
Petroleum Liquids	0	461	--	21.60	0	88	0	745	--	21.65
Petroleum Coke	0	NM	--	W	0	1	0	129	--	W
Natural Gas	375	NM	W	NM	2	131	1,479	NM	W	3.84
Fossil Fuels	615	NM	W	W	2	183	2,993	NM	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
Coal	15,446	33,592	W	3.04	21	114	62,537	140,513	W	3.01
Petroleum Liquids	209	1,194	W	20.37	12	124	949	6,099	18.22	18.98
Petroleum Coke	1,194	3,531	W	W	3	15	4,858	13,276	W	W
Natural Gas	57,831	108,912	W	2.38	40	327	240,658	444,911	W	2.81
Fossil Fuels	74,680	147,228	W	W	44	416	309,003	604,799	W	W

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Petroleum Coke includeds petroleum coke and synthesis gas derived from petroleum coke.
Note: Values are preliminary.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	1	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	2	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	3	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	4	50.3	NG	CA
2013	1	56615	First Solar Energy LLC	IPP	Avra Valley Solar	AZ	57657	1	25.0	SUN	PV
2013	1	7353	Golden Valley Elec Assn Inc	IPP	Eva Creek Wind	AK	57935	EVW	24.0	WND	WT
2013	1	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	3	2.1	DFO	IC
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2B	86.5	SUN	PV
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2D	40.0	SUN	PV
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL1	4.6	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL2	4.6	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL3	4.6	LFG	GT
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN1	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN2	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN3	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN4	1.6	LFG	IC
2013	1	56748	RP1 Fuel Cell LLC	Electric CHP	RPI Fuel Cell LLC	CA	57419	1	2.8	OBG	FC
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010A	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010B	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010C	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015A	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015B	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015C	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015D	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015E	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015F	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015G	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023A	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023B	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023C	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023D	0.5	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023E	0.5	SUN	PV
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine I	CA	57834	AW07	150.0	WND	WT
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine II	CA	57837	AW09	150.0	WND	WT
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN1	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN2	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN3	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN4	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN5	0.8	LFG	IC
2013	1	20323	Wellhead Services Inc	IPP	Wellhead Power Delano LLC	CA	58122	GEN1	35.0	NG	GT
2013	2	57369	Apple, Inc	Commercial	Apple Data Center PV	NC	57994	PV1	20.0	SUN	PV
2013	2	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	GEN2	28.0	MSW	ST
2013	2	56615	First Solar Energy LLC	IPP	Alpine Solar	CA	57295	1	66.0	SUN	PV
2013	2	57389	IKEA Property Inc	Commercial	IKEA Perryville 460	MD	58014	PV	2.0	SUN	PV
2013	2	57389	IKEA Property Inc	Commercial	IKEA Westhampton 061	NJ	58016	PV	1.8	SUN	PV
2013	2	11208	Los Angeles Department of Water & Power	Commercial	Occidental College Solar Project	CA	57311	1	1.0	SUN	PV
2013	2	57271	NRG Solar Borrego I	IPP	NRG Solar Borrego I	CA	57455	SB1	26.0	SUN	PV
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN1	1.6	LFG	IC
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN2	1.6	LFG	IC
2013	3	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV1	17.0	SUN	PV
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	34	1.8	WAT	HY
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	35	1.8	WAT	HY
2013	3	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	PARKG	1.2	SUN	PV
2013	3	58332	Dibrell Farm LLC	IPP	Dibrell Farm	NC	58346	1	5.0	SUN	PV
2013	3	11208	Los Angeles Department of Water & Power	IPP	Pine Tree Solar Project	CA	57306	1	8.5	SUN	PV
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	3A	1.2	OBG	IC
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	4A	1.2	OBG	IC
2013	3	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI9	60.5	WAT	HY
2013	3	58355	SPS Atwell Island LLC		Atwell Island	CA	58366	1	20.2	SUN	PV
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN10	1.6	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN11	1.6	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN9	1.6	LFG	IC
2013	3	58112	TA-High Desert LLC	IPP	TA-High Desert LLC	CA	58149	TAHD	20.0	SUN	PV
2013	3	54842	WM Renewable Energy LLC	IPP	Tullytown	PA	58250	GEN1	1.6	LFG	IC
2013	4	57369	Apple, Inc	Commercial	Apple Data Center - Fuel Cell 1&2	NC	58264	FC2	5.2	LFG	FC
2013	4	58373	CU Solar LLC		CU Solar Plant	OH	58386	CU	1.8	SUN	PV
2013	4	3179	Caterpillar Inc	Industrial	Caterpillar	IN	50935	ET4	2.5	NG	IC
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT1	96.0	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT2	96.0	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT3	96.0	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT4	96.0	NG	GT
2013	4	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ1	35.3	SUN	PV
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3A	1,210.0	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3B	.	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3C	.	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3ST	.	NG	CA
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-1	1.3	SUN	PV
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-2	3.4	SUN	PV
2013	4	58358	Light Beam Power Co LLC		Gridley Main Two	CA	58371	GEN1	2.5	SUN	PV
2013	4	26616	North Slope Borough Power & Light	Electric Utility	NSB Nuiqsut Utility	AK	7484	PG3B	0.8	NG	IC
2013	4	57282	Piedmont Green Power	IPP	Piedmont Green Power	GA	57909	GEN1	53.5	WDS	ST
2013	4	15394	Procter & Gamble Ppr Prdts Co	Industrial	Procter & Gamble Mehoopany Mill	PA	50463	GEN3	64.0	NG	GT
2013	4	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	2	14.0	GEO	BT
2013	5	807	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	C	20.0	NG	GT
2013	5	34	City of Abbeville - (SC)	Electric Utility	Rocky River	SC	3305	IC2	1.0	DFO	IC
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGRI	1.9	SUN	PV
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	NG	GT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG3	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG4	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG5	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG6	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG7	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG8	100.0	NG	GT
2013	5	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT5	96.0	NG	GT
2013	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	9	88.9	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	NG	GT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	WND	WT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	WND	WT
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	SUN	PV
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	SUN	PV
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	SUN	PV
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	SUB	ST
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	NG	GT
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	LFG	IC

As of the time of the publication of this report, the data for the latest month may not include all operational status updates.
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 found in the Technical Notes.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
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.'

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	5,731.8
Total Capacity of Retired Units Shown	4,643.6
U.S. Capacity	1,065,826.2

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	RFO	ST
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	RFO	ST
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	NG	IC
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	OG	ST
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	NUC	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	NG	ST
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	DFO	IC
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	NG	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	NG	ST
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	DFO	IC
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	NG	CA
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	DFO	IC
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	DFO	IC
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	DFO	CT
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	1	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	2	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	3	2.0	BIT	ST
2013	4	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT4	0.2	NG	FC
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ16	1.4	WAT	HY
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ17	1.4	WAT	HY
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	1	52.5	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	2	51.0	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	3	137.5	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	4	232.0	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	5	2.5	DFO	IC
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	6	2.5	DFO	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	1	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	2	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	3	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	4	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	5	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	6	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	7	0.6	NG	IC
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI1	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI2	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI3	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI4	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI5	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI6	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI7	6.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI8	6.0	WAT	HY
2013	5	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ14	0.3	WAT	HY
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	10	2.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	11	3.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	12	3.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	18	8.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	8	2.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	9	2.0	NG	IC
2013	5	54718	Dominion Energy Kewaunee Inc.	IPP	Kewaunee	WI	8024	1	566.0	NUC	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	5	128.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	6	128.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	4	94.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	5	94.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	6	133.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	7	133.0	BIT	ST
2013	5	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	6	335.0	NG	ST
2013	5	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	7	337.0	NG	ST
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	DFO	IC

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Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
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.'

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	5,731.8
Total Capacity of Retired Units Shown	4,643.6
U.S. Capacity	1,065,826.2

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-April 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
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	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	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-5,905	14,154	4,100,656
2012	1,517,203	13,209	9,691	1,230,708	11,212	769,331	276,535	218,787	-4,658	12,466	4,054,485
2011											
January	170,803	1,902	1,555	74,254	930	72,743	25,531	14,742	-426	1,071	363,105
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-247	1,027	313,293
March	134,845	1,276	1,416	65,947	945	65,662	31,134	16,650	-349	1,182	318,710
April	124,488	1,459	965	70,029	918	54,547	31,194	18,125	-466	1,141	302,400
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-418	1,210	323,627
June	158,055	1,374	1,220	90,691	1,013	65,270	32,151	17,284	-567	1,236	367,727
July	176,586	1,714	1,440	119,624	1,098	72,345	31,285	14,000	-708	1,309	418,693
August	171,281	1,295	1,299	119,856	1,087	71,339	25,764	14,054	-663	1,230	406,541
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-553	1,132	337,961
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-572	1,176	308,727
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-441	1,187	304,119
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-496	1,254	335,753
2012											
January	129,115	1,143	1,301	91,641	980	72,381	23,359	20,302	-330	1,027	340,919
February	113,908	917	1,009	91,091	1,005	63,847	20,361	17,303	-226	937	310,151
March	105,546	947	614	92,503	1,010	61,729	25,770	20,160	-268	1,031	309,040
April	96,466	1,030	534	95,346	980	55,871	26,136	18,828	-242	991	295,940
May	116,345	1,081	647	107,927	969	62,081	28,542	19,216	-343	1,066	337,530
June	131,569	1,317	739	116,015	945	65,140	26,611	18,631	-475	1,014	361,506
July	160,938	1,517	772	140,202	968	69,129	26,758	15,731	-587	1,087	416,515
August	152,743	1,191	881	131,828	1,024	69,602	23,146	15,125	-496	1,063	396,108
Sept	125,767	985	879	108,206	893	64,511	17,562	15,291	-401	1,042	334,735
October	121,587	1,132	729	92,141	820	59,743	16,207	19,091	-351	1,057	312,157
November	128,992	976	803	79,707	759	56,713	18,834	18,106	-390	1,049	305,548
December	134,230	973	784	84,103	858	68,584	23,248	21,004	-549	1,101	334,335
2013											
January	138,447	1,651	1,018	88,375	919	71,406	25,123	21,152	-442	993	348,642
February	123,936	1,078	847	80,250	804	61,483	20,493	20,072	-275	912	309,601
March	131,032	962	1,000	84,713	915	62,947	20,573	22,542	-358	1,046	325,372
April	112,293	965	875	77,502	853	56,767	24,764	23,542	-264	964	298,261
Year to Date											
2011	568,447	5,854	5,153	276,154	3,600	257,741	111,991	65,633	-1,488	4,421	1,297,507
2012	445,033	4,037	3,458	370,581	3,974	253,828	95,626	76,593	-1,067	3,986	1,256,050
2013	505,709	4,656	3,741	330,839	3,490	252,603	90,954	87,309	-1,339	3,914	1,281,876
Rolling 12 Months Ending in April											
2012	1,610,016	14,269	12,401	1,108,115	11,941	786,291	302,990	204,941	-5,484	13,718	4,059,199
2013	1,577,878	13,828	9,973	1,190,967	10,728	768,107	271,863	229,503	-4,930	12,394	4,080,311

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources 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.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
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 Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 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. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; 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 Renewable Sources: Total (All Sectors), 2003-April 2013
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewable Sources)
Annual Totals						
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	73,886	891	36,050	15,009	18,443	144,279
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	120,177	1,818	37,449	15,316	19,222	193,981
2012	140,089	4,342	37,540	16,791	20,025	218,787
2011						
January	8,550	40	3,290	1,347	1,515	14,742
February	10,452	85	2,937	1,215	1,427	16,116
March	10,545	122	3,081	1,337	1,565	16,650
April	12,422	164	2,798	1,239	1,503	18,125
May	11,772	191	2,794	1,318	1,563	17,638
June	10,985	223	3,230	1,215	1,632	17,284
July	7,489	191	3,362	1,269	1,690	14,000
August	7,474	229	3,384	1,275	1,692	14,054
Sept	6,869	186	3,178	1,226	1,589	13,048
October	10,525	159	2,954	1,281	1,631	16,550
November	12,439	107	3,088	1,271	1,684	18,589
December	10,656	121	3,353	1,324	1,731	17,185
2012						
January	13,806	86	3,366	1,415	1,629	20,302
February	11,164	137	3,126	1,339	1,537	17,303
March	13,897	249	2,938	1,413	1,663	20,160
April	12,812	346	2,666	1,335	1,668	18,828
May	12,573	511	2,997	1,422	1,713	19,216
June	11,944	561	3,060	1,380	1,687	18,631
July	8,724	522	3,296	1,421	1,769	15,731
August	8,287	464	3,311	1,388	1,676	15,125
Sept	8,680	462	3,143	1,377	1,628	15,291
October	12,514	431	3,073	1,413	1,660	19,091
November	11,513	314	3,216	1,429	1,633	18,106
December	14,175	258	3,350	1,459	1,762	21,004
2013						
January	14,535	288	3,299	1,444	1,587	21,152
February	13,884	441	3,032	1,322	1,392	20,072
March	15,638	619	3,194	1,425	1,667	22,542
April	17,299	683	2,594	1,372	1,594	23,542
Year to Date						
2011	41,968	411	12,105	5,138	6,009	65,633
2012	51,678	819	12,096	5,502	6,497	76,593
2013	61,355	2,032	12,119	5,563	6,240	87,309
Rolling 12-Month Ending in April						
2012	129,887	2,225	37,440	15,680	19,710	204,941
2013	149,766	5,555	37,563	16,851	19,767	229,503

Wood and Wood-derived fuels include 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.
Other Biomass includes 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 Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 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. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
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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, 2003-April 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
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	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,298	604	2,461,045
2012	1,147,861	9,990	5,680	507,801	10	394,823	253,304	27,830	-3,911	397	2,343,786
2011											
January	126,539	1,210	1,082	29,515	1	37,742	23,602	1,713	-500	46	220,951
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-304	49	188,727
March	102,328	982	922	26,612	1	34,201	28,401	1,930	-277	49	195,148
April	93,647	1,178	600	29,154	1	28,964	28,280	2,098	-404	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-367	55	196,993
June	119,780	976	831	38,311	6	34,635	29,631	1,795	-491	60	225,535
July	133,078	1,110	983	49,479	1	38,444	29,180	1,428	-612	51	253,142
August	128,915	924	908	49,617	1	37,435	23,866	1,418	-569	55	242,570
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-470	48	199,174
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-488	46	181,388
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-381	45	176,532
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-437	49	197,318
2012											
January	96,778	850	843	37,033	NM	38,270	20,934	2,660	-283	40	197,126
February	86,532	711	658	35,265	NM	33,117	18,322	2,127	-191	34	176,574
March	80,602	768	256	36,938	NM	30,601	23,356	2,699	-197	27	175,049
April	75,189	814	293	38,919	NM	27,884	24,033	2,390	-227	27	169,322
May	87,977	814	380	45,922	NM	31,384	26,152	2,622	-264	32	195,022
June	100,067	945	473	48,949	NM	34,052	24,683	2,416	-397	40	211,229
July	121,198	1,134	467	58,989	NM	35,999	25,094	1,798	-498	30	244,213
August	115,324	907	477	54,268	NM	36,149	21,621	1,803	-411	41	230,180
Sept	95,104	746	536	44,686	NM	33,384	16,234	1,806	-338	42	192,200
October	91,264	853	409	38,530	NM	31,289	14,704	2,465	-295	30	179,250
November	96,346	712	454	32,760	NM	29,038	17,001	2,456	-338	28	178,459
December	101,480	737	434	35,541	NM	33,656	21,171	2,590	-472	26	195,163
2013											
January	103,762	993	700	36,509	NM	36,748	22,674	2,902	-380	34	203,944
February	91,599	698	616	33,615	NM	31,144	18,200	2,629	-259	31	178,275
March	97,890	738	687	35,779	8	31,426	18,254	2,776	-311	39	187,286
April	84,568	729	574	31,874	8	28,991	22,537	2,983	-204	29	172,088
Year to Date											
2011	426,122	4,258	3,422	110,736	4	135,026	102,470	7,646	-1,484	194	788,393
2012	339,102	3,142	2,049	148,154	NM	129,871	86,644	9,875	-898	127	718,070
2013	377,820	3,158	2,577	137,778	18	128,309	81,664	11,290	-1,155	134	741,593
Rolling 12 Months Ending in April											
2012	1,214,087	10,572	8,056	452,261	NM	410,143	275,587	24,162	-4,712	537	2,390,722
2013	1,186,580	10,006	6,208	497,424	NM	393,261	248,325	29,245	-4,168	403	2,367,308

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources 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.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
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 Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-April 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
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	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-607	7,059	1,487,657
2012	354,870	2,628	1,823	630,271	2,708	374,509	21,340	160,308	-746	7,205	1,554,916
2011											
January	42,852	588	349	37,417	242	35,000	1,785	10,446	74	530	129,282
February	33,475	252	298	33,924	206	30,670	1,782	11,904	58	503	113,071
March	31,255	229	393	32,750	251	31,461	2,544	12,260	-72	589	111,660
April	29,625	221	258	34,103	243	25,583	2,728	13,669	-63	584	106,952
May	31,525	242	259	36,802	235	28,511	2,950	13,346	-51	590	114,409
June	36,936	347	284	45,115	253	30,635	2,367	12,911	-76	621	129,393
July	42,051	554	358	62,024	261	33,901	1,993	9,969	-96	645	151,659
August	40,884	320	298	61,922	263	33,903	1,800	9,991	-94	614	149,901
Sept	34,521	246	261	46,908	251	32,210	1,965	9,121	-83	569	125,969
October	31,395	213	225	38,745	239	29,779	2,150	12,071	-84	582	115,317
November	30,220	204	207	37,730	224	30,367	1,801	13,840	-60	593	115,124
December	32,045	238	241	44,007	244	32,885	2,252	12,425	-59	639	124,919
2012											
January	31,078	233	218	46,786	236	34,111	2,247	14,938	-47	599	130,400
February	26,244	156	202	48,365	232	30,730	1,879	12,643	-35	553	120,970
March	23,777	138	197	48,374	240	31,128	2,225	15,066	-71	614	121,687
April	20,214	152	86	49,438	233	27,987	1,940	14,121	-15	598	114,753
May	27,235	227	120	54,289	225	30,697	2,204	14,086	-80	617	129,622
June	30,303	314	110	59,307	227	31,088	1,793	13,727	-78	605	137,397
July	38,318	335	135	72,767	236	33,130	1,552	11,304	-89	631	158,319
August	36,049	242	187	69,526	243	33,453	1,424	10,712	-84	591	152,343
Sept	29,481	194	150	55,995	224	31,126	1,233	10,933	-62	587	129,861
October	29,128	218	155	46,044	206	28,455	1,393	14,061	-55	590	120,193
November	31,489	225	130	39,190	182	27,674	1,594	13,027	-52	593	114,053
December	31,555	195	133	40,190	224	34,928	1,855	15,690	-77	628	125,319
2013											
January	33,539	585	154	43,604	220	34,658	2,102	15,594	-61	551	130,945
February	31,209	335	137	39,217	176	30,340	1,918	14,974	-15	495	118,785
March	31,969	185	155	40,983	186	31,522	2,019	17,159	-47	590	124,720
April	26,701	193	148	38,502	199	27,776	1,971	18,266	-60	556	114,254
Year to Date											
2011	137,206	1,290	1,298	138,194	942	122,715	8,838	48,280	-3	2,206	460,965
2012	101,312	679	703	192,962	941	123,957	8,291	56,769	-169	2,364	487,809
2013	123,418	1,299	594	162,305	781	124,295	8,010	65,993	-184	2,192	488,703
Rolling 12 Months Ending in April											
2012	380,889	3,044	2,836	566,215	2,910	376,148	25,570	150,442	-772	7,217	1,514,500
2013	376,976	3,248	1,715	599,614	2,548	374,846	21,059	169,532	-762	7,034	1,555,811

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources 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.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
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 Renewable Sources.
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Table 1.4. Net Generation by Energy Source: Commerical Sector, 2003-April 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	1,206	416	8	3,899	0	0	72	1,302	0	594	7,496
2004	1,340	493	7	3,969	0	0	105	1,575	0	781	8,270
2005	1,353	368	7	4,249	0	0	86	1,673	0	756	8,492
2006	1,310	228	7	4,355	0	0	93	1,619	0	758	8,371
2007	1,371	180	9	4,257	0	0	77	1,614	0	764	8,273
2008	1,261	136	6	4,188	0	0	60	1,555	0	720	7,926
2009	1,096	157	5	4,225	0	0	71	1,769	0	842	8,165
2010	1,111	117	7	4,725	3	0	80	1,714	0	834	8,592
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	837	84	6	5,870	NM	0	NM	2,746	0	1,036	10,621
2011											
January	108	20	1	421	0	0	2	194	0	71	817
February	104	10	1	367	0	0	2	180	0	61	725
March	100	6	1	373	0	0	3	200	0	71	753
April	77	4	0	357	0	0	3	195	0	71	706
May	82	5	0	471	0	0	3	218	0	88	867
June	90	3	0	463	0	0	2	218	0	84	860
July	104	7	0	605	0	0	2	220	0	85	1,023
August	94	7	0	571	0	0	2	225	0	87	985
Sept	84	7	0	487	0	0	2	208	0	83	870
October	65	6	0	438	0	0	2	204	0	84	799
November	62	6	0	437	0	0	2	208	0	84	800
December	78	5	1	499	0	0	2	207	0	81	874
2012											
January	84	NM	1	528	NM	0	NM	214	0	78	913
February	78	4	1	499	NM	0	NM	213	0	77	875
March	70	5	1	476	0	0	NM	216	0	83	853
April	64	6	0	468	NM	0	NM	221	0	81	843
May	70	6	0	480	NM	0	NM	234	0	87	880
June	68	10	0	493	NM	0	NM	225	0	79	880
July	78	11	1	553	0	0	NM	239	0	94	980
August	71	9	1	498	NM	0	NM	238	0	95	917
Sept	58	7	1	480	NM	0	NM	231	0	89	869
October	43	8	1	471	0	0	NM	239	0	91	855
November	72	7	1	447	0	0	NM	232	0	85	845
December	81	6	1	478	0	0	NM	245	0	98	911
2013											
January	77	NM	1	522	NM	0	NM	220	0	84	923
February	89	NM	1	459	NM	0	NM	209	0	78	848
March	71	5	1	476	NM	0	NM	250	0	94	900
April	58	6	0	414	0	0	NM	235	0	91	808
Year to Date											
2011	390	40	2	1,517	1	0	9	768	0	274	3,002
2012	296	21	2	1,970	NM	0	NM	863	0	318	3,485
2013	295	34	2	1,871	NM	0	NM	914	0	347	3,480
Rolling 12 Months Ending in April											
2012	955	NM	3	5,940	NM	0	NM	2,571	0	993	10,563
2013	837	NM	6	5,770	NM	0	NM	2,797	0	1,065	10,617

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources 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.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
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 Renewable Sources.
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Table 1.5. Net Generation by Energy Source: Industrial Sector, 2003-April 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	19,817	3,726	1,559	78,705	12,953	0	4,222	28,704	0	4,843	154,530
2004	19,773	4,128	1,839	78,959	11,684	0	3,248	29,164	0	5,129	153,925
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	29,003	0	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	28,972	0	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	28,919	0	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	27,462	0	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	26,033	0	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	0	1,668	26,576	0	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	0	1,799	27,619	0	5,541	141,875
2012	13,634	506	2,182	86,767	8,490	0	1,851	27,903	0	3,828	145,162
2011											
January	1,304	84	123	6,901	687	0	143	2,389	0	423	12,054
February	1,125	68	100	6,177	600	0	160	2,126	0	414	10,770
March	1,161	59	101	6,212	693	0	187	2,260	0	474	11,149
April	1,139	56	107	6,416	674	0	184	2,164	0	436	11,175
May	1,199	47	109	6,597	633	0	198	2,099	0	477	11,359
June	1,249	48	104	6,802	753	0	150	2,360	0	471	11,938
July	1,353	43	98	7,517	836	0	109	2,384	0	529	12,868
August	1,389	45	94	7,745	823	0	96	2,420	0	474	13,085
Sept	1,209	46	99	6,953	752	0	122	2,336	0	432	11,948
October	1,120	58	104	6,419	700	0	126	2,233	0	463	11,224
November	1,077	49	95	6,742	715	0	146	2,374	0	465	11,663
December	1,165	55	100	7,429	758	0	178	2,474	0	483	12,642
2012											
January	1,175	54	239	7,293	743	0	175	2,491	0	310	12,480
February	1,055	46	149	6,963	771	0	157	2,319	0	274	11,733
March	1,097	36	161	6,716	769	0	186	2,179	0	308	11,452
April	998	58	156	6,522	745	0	160	2,097	0	285	11,022
May	1,063	34	146	7,235	742	0	182	2,273	0	330	12,006
June	1,130	48	157	7,266	717	0	131	2,264	0	290	12,000
July	1,344	37	168	7,892	731	0	109	2,390	0	332	13,003
August	1,299	34	216	7,535	779	0	97	2,373	0	336	12,669
Sept	1,124	38	192	7,045	668	0	92	2,321	0	324	11,805
October	1,152	53	164	7,096	614	0	107	2,326	0	347	11,860
November	1,085	32	219	7,309	576	0	236	2,392	0	343	12,191
December	1,115	36	216	7,894	634	0	218	2,479	0	350	12,942
2013											
January	1,069	58	163	7,740	698	0	344	2,435	0	324	12,831
February	1,039	37	93	6,958	627	0	371	2,260	0	308	11,693
March	1,102	34	158	7,475	720	0	297	2,358	0	322	12,466
April	965	36	153	6,712	646	0	252	2,059	0	288	11,111
Year to Date											
2011	4,730	266	431	25,707	2,654	0	674	8,939	0	1,747	45,148
2012	4,324	195	704	27,494	3,029	0	677	9,086	0	1,177	46,686
2013	4,175	165	567	28,885	2,691	0	1,264	9,112	0	1,241	48,100
Rolling 12 Months Ending in April											
2012	14,084	586	1,507	83,699	8,999	0	1,802	27,766	0	4,971	143,413
2013	13,486	476	2,045	88,158	8,152	0	2,437	27,929	0	3,893	146,576

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources 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.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
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 Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 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. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	8,366	8,534	-2.0%	170	170	7,778	7,897	72	70	345	397
Connecticut	2,388	2,737	-12.8%	NM	NM	2,348	2,693	NM	NM	NM	NM
Maine	1,010	943	7.1%	NM	NM	725	571	16	16	270	356
Massachusetts	2,687	2,432	10.5%	38	56	2,559	2,326	37	33	54	NM
New Hampshire	1,201	1,346	-10.8%	66	52	1,132	1,291	NM	NM	NM	NM
Rhode Island	565	556	1.5%	1	1	560	551	NM	NM	0	0
Vermont	516	521	-0.9%	59	53	455	465	NM	NM	NM	NM
Middle Atlantic	32,573	30,529	6.7%	2,737	2,697	29,392	27,349	147	140	297	342
New Jersey	4,845	4,782	1.3%	-4	1	4,764	4,688	41	45	44	48
New York	10,101	9,982	1.2%	2,596	2,629	7,355	7,207	82	69	69	77
Pennsylvania	17,627	15,764	11.8%	145	68	17,273	15,453	25	26	185	217
East North Central	45,419	44,489	2.1%	23,083	21,186	21,455	22,366	144	161	736	775
Illinois	14,899	14,706	1.3%	682	932	13,991	13,530	36	41	191	203
Indiana	8,253	8,233	0.2%	7,082	7,160	929	817	12	NM	229	243
Michigan	7,317	7,542	-3.0%	5,242	5,142	1,913	2,230	72	79	90	91
Ohio	9,720	9,657	0.6%	6,541	5,258	3,102	4,313	NM	NM	63	72
Wisconsin	5,230	4,351	20.2%	3,536	2,694	1,519	1,476	NM	NM	163	166
West North Central	24,463	23,345	4.8%	20,570	19,801	3,568	3,196	48	47	277	302
Iowa	4,364	3,972	9.9%	3,091	2,724	1,118	1,082	16	14	140	152
Kansas	3,519	3,055	15.2%	2,714	2,764	802	288	0	0	3	NM
Minnesota	3,866	3,862	0.1%	2,994	2,941	765	793	15	NM	91	109
Missouri	6,715	6,248	7.5%	6,519	5,939	177	294	15	13	NM	NM
Nebraska	2,524	2,492	1.3%	2,358	2,378	138	90	NM	NM	27	23
North Dakota	2,662	2,785	-4.4%	2,290	2,348	360	426	NM	NM	NM	NM
South Dakota	813	930	-12.6%	604	708	209	222	NM	NM	0	0
South Atlantic	53,828	53,788	0.1%	44,314	43,036	7,995	9,252	80	64	1,439	1,436
Delaware	509	779	-34.7%	NM	NM	445	718	NM	NM	62	57
District of Columbia	NM	NM	NM	0	NM	0	2	NM	0	0	0
Florida	17,069	16,955	0.7%	15,417	15,093	1,226	1,444	NM	NM	418	410
Georgia	8,540	9,708	-12.0%	7,540	7,817	607	1,497	NM	NM	390	392
Maryland	2,333	2,962	-21.2%	NM	NM	2,289	2,872	NM	NM	25	69
North Carolina	7,854	7,953	-1.2%	6,862	7,284	803	536	NM	NM	182	132
South Carolina	7,577	6,900	9.8%	7,382	6,485	NM	233	NM	NM	142	182
Virginia	5,199	3,647	42.5%	4,128	3,011	905	495	39	34	126	108
West Virginia	4,743	4,877	-2.7%	2,981	3,337	1,668	1,454	0	0	94	85
East South Central	27,744	26,403	5.1%	24,204	21,899	2,709	3,815	NM	NM	820	677
Alabama	10,581	10,266	3.1%	8,138	6,829	2,116	3,090	0	0	326	347
Kentucky	6,235	5,983	4.2%	6,196	5,932	NM	34	0	0	37	NM
Mississippi	3,814	3,847	-0.9%	3,005	3,019	581	684	NM	NM	225	141
Tennessee	7,115	6,307	12.8%	6,864	6,119	9	6	NM	NM	231	172
West South Central	47,711	51,220	-6.9%	16,167	18,523	25,748	27,223	50	53	5,747	5,420
Arkansas	3,442	5,007	-31.3%	2,346	3,210	934	1,636	NM	NM	161	161
Louisiana	7,182	7,511	-4.4%	3,675	3,874	1,496	1,581	NM	NM	2,008	2,054
Oklahoma	5,391	6,232	-13.5%	3,825	4,162	1,504	2,011	NM	NM	59	55
Texas	31,697	32,470	-2.4%	6,321	7,278	21,814	21,996	43	45	3,520	3,150
Mountain	27,325	25,867	5.6%	21,035	20,763	6,020	4,819	20	23	250	262
Arizona	7,690	7,998	-3.8%	6,506	6,898	1,179	1,078	NM	6	0	NM
Colorado	4,060	3,894	4.3%	3,127	3,057	925	830	NM	NM	NM	5
Idaho	1,563	1,577	-0.9%	1,093	1,188	428	345	0	0	41	45
Montana	2,491	2,046	21.8%	627	901	1,864	1,145	0	0	NM	NM
Nevada	2,375	2,231	6.5%	1,695	1,572	647	627	NM	8	NM	24
New Mexico	2,624	2,216	18.4%	2,026	1,804	586	399	NM	6	NM	7
Utah	2,826	2,908	-2.8%	2,646	2,702	114	139	NM	NM	67	67
Wyoming	3,695	2,997	23.3%	3,314	2,641	277	257	0	0	103	98
Pacific Contiguous	29,510	30,343	-2.7%	18,891	20,224	9,260	8,538	194	230	1,165	1,352
California	14,494	14,892	-2.7%	6,014	6,183	7,273	7,258	189	222	1,020	1,229
Oregon	5,167	4,943	4.5%	3,744	4,048	1,377	859	NM	NM	40	29
Washington	9,849	10,509	-6.3%	9,133	9,993	610	421	NM	NM	105	94
Pacific Noncontiguous	1,322	1,421	-7.0%	917	1,022	328	297	41	44	35	58
Alaska	524	574	-8.7%	481	525	21	15	12	24	9	NM
Hawaii	798	847	-5.8%	436	497	307	282	30	21	26	48
U.S. Total	298,261	295,940	0.8%	172,088	169,322	114,254	114,753	808	843	11,111	11,022

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	36,738	38,704	-5.1%	1,727	1,240	32,883	35,360	325	322	1,804	1,783
Connecticut	11,678	11,316	3.2%	NM	NM	11,499	11,132	65	70	84	82
Maine	4,742	5,197	-8.7%	NM	0	3,240	3,517	66	65	1,435	1,616
Massachusetts	10,159	10,535	-3.6%	214	169	9,510	10,134	169	166	265	66
New Hampshire	6,603	6,799	-2.9%	1,175	802	5,411	5,982	NM	NM	NM	NM
Rhode Island	1,508	2,556	-41.0%	3	4	1,488	2,536	NM	NM	0	0
Vermont	2,049	2,301	-11.0%	304	233	1,734	2,059	NM	NM	NM	NM
Middle Atlantic	142,326	136,409	4.3%	11,026	12,240	129,289	122,113	615	553	1,396	1,503
New Jersey	20,472	20,188	1.4%	-37	-19	20,139	19,802	165	183	205	222
New York	43,629	43,003	1.5%	10,540	11,788	32,418	30,603	353	271	318	340
Pennsylvania	78,225	73,219	6.8%	524	471	76,731	71,708	97	99	872	942
East North Central	202,241	196,706	2.8%	103,691	95,436	94,743	97,281	598	665	3,208	3,324
Illinois	66,669	63,588	4.8%	3,858	3,959	61,775	58,567	165	171	872	891
Indiana	35,594	36,693	-3.0%	30,689	31,161	3,862	4,432	68	70	976	1,029
Michigan	33,613	34,786	-3.4%	26,099	24,861	6,857	9,213	272	308	384	404
Ohio	44,488	42,185	5.5%	28,297	23,548	15,831	18,260	60	59	300	318
Wisconsin	21,876	19,453	12.5%	14,748	11,906	6,418	6,809	33	56	676	681
West North Central	108,370	101,704	6.6%	93,327	88,152	13,502	12,026	189	208	1,353	1,318
Iowa	19,047	18,370	3.7%	13,961	13,353	4,363	4,327	75	66	649	625
Kansas	14,626	11,316	29.3%	11,772	10,129	2,845	1,179	0	0	9	NM
Minnesota	17,478	16,680	4.8%	14,155	13,221	2,754	2,874	69	81	500	504
Missouri	30,106	28,128	7.0%	29,138	27,247	911	812	39	55	18	13
Nebraska	11,876	11,181	6.2%	11,219	10,686	531	379	NM	NM	120	109
North Dakota	11,946	12,386	-3.6%	10,550	10,717	1,339	1,610	NM	NM	57	59
South Dakota	3,290	3,643	-9.7%	2,530	2,798	759	845	NM	NM	0	0
South Atlantic	233,203	225,054	3.6%	191,133	183,086	35,621	35,764	314	268	6,135	5,936
Delaware	2,187	2,545	-14.1%	NM	NM	1,890	2,331	NM	NM	289	205
District of Columbia	NM	NM	NM	0	NM	0	3	NM	0	0	0
Florida	64,601	66,912	-3.5%	58,898	59,918	3,929	5,249	NM	NM	1,746	1,720
Georgia	35,913	36,064	-0.4%	31,382	29,613	2,951	4,878	NM	9	1,570	1,564
Maryland	10,595	9,767	8.5%	NM	3	10,395	9,446	74	83	124	235
North Carolina	38,684	36,104	7.1%	34,022	33,520	3,750	2,023	37	17	875	544
South Carolina	31,840	30,265	5.2%	31,045	28,946	210	627	NM	NM	584	692
Virginia	24,456	21,791	12.2%	20,210	17,056	3,530	4,052	141	129	576	554
West Virginia	24,905	21,575	15.4%	15,568	13,998	8,966	7,156	0	0	371	422
East South Central	122,471	113,821	7.6%	105,577	94,635	13,200	16,154	NM	51	3,644	2,982
Alabama	47,923	47,049	1.9%	35,874	32,553	10,620	13,010	0	0	1,430	1,486
Kentucky	30,727	27,938	10.0%	30,541	27,747	37	53	0	0	149	138
Mississippi	16,299	16,477	-1.1%	12,834	12,800	2,516	3,061	NM	NM	941	608
Tennessee	27,522	22,358	23.1%	26,327	21,535	27	30	43	43	1,124	750
West South Central	197,007	204,740	-3.8%	68,429	74,873	104,451	106,686	192	197	23,935	22,985
Arkansas	19,508	21,751	-10.3%	13,291	15,016	5,542	6,077	NM	NM	673	656
Louisiana	29,657	31,479	-5.8%	14,058	15,970	6,661	6,858	NM	NM	8,924	8,637
Oklahoma	21,684	23,943	-9.4%	15,985	17,542	5,467	6,150	NM	NM	220	240
Texas	126,157	127,567	-1.1%	25,095	26,345	86,781	87,601	163	167	14,118	13,453
Mountain	117,479	113,403	3.6%	91,744	88,833	24,673	23,476	82	84	979	1,010
Arizona	31,650	33,763	-6.3%	28,091	28,904	3,519	4,769	24	24	NM	66
Colorado	17,437	16,880	3.3%	13,393	13,178	4,017	3,675	6	NM	21	21
Idaho	5,278	5,466	-3.4%	3,375	3,735	1,732	1,560	0	0	172	170
Montana	10,133	8,853	14.5%	1,964	2,301	8,166	6,550	0	0	NM	NM
Nevada	10,982	9,336	17.6%	7,320	6,282	3,536	2,937	27	28	99	88
New Mexico	11,672	11,044	5.7%	9,640	8,886	1,979	2,108	24	26	28	25
Utah	13,089	11,920	9.8%	12,372	11,122	508	605	NM	NM	208	193
Wyoming	17,237	16,141	6.8%	15,590	14,424	1,215	1,272	0	0	433	445
Pacific Contiguous	116,755	119,687	-2.4%	71,090	75,297	39,213	37,784	940	942	5,512	5,665
California	58,459	60,972	-4.1%	22,773	24,207	29,923	30,807	913	910	4,851	5,048
Oregon	21,596	21,621	-0.1%	15,728	16,698	5,647	4,746	25	28	196	149
Washington	36,700	37,094	-1.1%	32,590	34,392	3,643	2,231	NM	NM	465	468
Pacific Noncontiguous	5,287	5,821	-9.2%	3,849	4,279	1,129	1,166	174	196	134	180
Alaska	2,199	2,516	-12.6%	2,014	2,301	88	68	57	101	40	46
Hawaii	3,087	3,306	-6.6%	1,835	1,979	1,041	1,098	117	95	95	134
U.S. Total	1,281,876	1,256,050	2.1%	741,593	718,070	488,703	487,809	3,480	3,485	48,100	46,686

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	268	59	357.0%	10	8	254	48	0	0	NM	3
Connecticut	-2	-1	57.8%	0	0	-2	-1	0	0	0	0
Maine	4	2	143.0%	0	0	3	1	0	0	1	1
Massachusetts	256	51	404.6%	0	0	253	48	0	0	NM	NM
New Hampshire	10	8	34.8%	10	8	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	7,478	5,209	43.6%	NM	0	7,408	5,114	0	0	67	95
New Jersey	97	80	21.3%	0	0	97	80	0	0	0	0
New York	260	46	459.1%	NM	0	231	20	0	0	26	26
Pennsylvania	7,121	5,082	40.1%	0	0	7,080	5,013	0	0	41	69
East North Central	27,568	24,121	14.3%	19,898	17,412	7,417	6,455	23	26	230	228
Illinois	6,216	5,218	19.1%	592	777	5,494	4,306	6	3	125	132
Indiana	7,059	6,559	7.6%	6,623	6,163	427	387	5	5	NM	NM
Michigan	3,727	3,647	2.2%	3,674	3,599	25	21	10	17	18	10
Ohio	7,552	6,650	13.6%	6,063	4,889	1,471	1,741	NM	0	17	21
Wisconsin	3,014	2,048	47.2%	2,946	1,985	0	0	NM	NM	66	62
West North Central	15,765	13,577	16.1%	15,516	13,326	0	0	19	13	229	238
Iowa	2,322	2,098	10.7%	2,172	1,938	0	0	NM	10	138	151
Kansas	2,147	1,577	36.2%	2,147	1,577	0	0	0	0	0	0
Minnesota	1,536	1,458	5.3%	1,478	1,399	0	0	NM	NM	57	59
Missouri	5,926	4,645	27.6%	5,917	4,640	0	0	6	2	NM	NM
Nebraska	1,647	1,637	0.6%	1,623	1,617	0	0	0	0	24	20
North Dakota	1,967	1,977	-0.5%	1,960	1,971	0	0	0	0	NM	NM
South Dakota	220	185	18.8%	220	185	0	0	0	0	0	0
South Atlantic	16,470	17,972	-8.4%	13,689	15,355	2,618	2,456	NM	NM	160	160
Delaware	113	65	73.7%	0	0	113	65	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,604	3,175	13.5%	3,470	3,069	119	91	0	0	NM	NM
Georgia	2,185	3,189	-31.5%	2,144	3,145	0	0	0	0	41	44
Maryland	661	840	-21.3%	0	0	645	828	0	0	16	12
North Carolina	2,797	3,284	-14.8%	2,666	3,157	116	112	1	0	NM	NM
South Carolina	1,609	2,322	-30.7%	1,598	2,294	0	NM	0	0	12	18
Virginia	1,066	527	102.3%	876	396	146	NM	NM	NM	42	38
West Virginia	4,434	4,571	-3.0%	2,935	3,295	1,480	1,258	0	0	19	18
East South Central	13,853	11,549	20.0%	13,533	11,305	191	119	NM	NM	128	123
Alabama	3,713	2,956	25.6%	3,699	2,941	0	2	0	0	14	13
Kentucky	5,653	5,114	10.5%	5,653	5,114	0	0	0	0	0	0
Mississippi	817	621	31.6%	626	504	191	117	0	0	0	0
Tennessee	3,671	2,857	28.5%	3,555	2,745	0	0	NM	NM	114	110
West South Central	15,512	11,808	31.4%	8,502	6,749	6,973	5,025	0	0	37	34
Arkansas	2,331	1,563	49.1%	2,029	1,205	293	352	0	0	9	7
Louisiana	1,230	720	70.9%	498	404	731	315	0	0	NM	NM
Oklahoma	1,995	1,528	30.5%	1,879	1,430	89	74	0	0	NM	NM
Texas	9,956	7,996	24.5%	4,096	3,711	5,860	4,285	0	0	0	NM
Mountain	14,917	11,881	25.6%	13,225	11,016	1,613	769	0	0	79	96
Arizona	3,554	2,721	30.6%	3,554	2,706	0	0	0	0	0	NM
Colorado	2,635	2,419	8.9%	2,626	2,411	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,402	629	122.9%	NM	NM	1,380	610	0	0	NM	NM
Nevada	387	122	217.5%	244	49	143	73	0	0	0	0
New Mexico	1,595	1,294	23.2%	1,595	1,294	0	0	0	0	0	0
Utah	2,180	2,206	-1.2%	2,108	2,136	NM	NM	0	0	42	42
Wyoming	3,159	2,484	27.2%	3,078	2,402	NM	NM	0	0	31	32
Pacific Contiguous	306	109	181.5%	188	0	90	91	0	0	28	18
California	94	107	-11.7%	0	0	68	91	0	0	26	16
Oregon	188	0	--	188	0	0	0	0	0	0	0
Washington	24	2	NM	0	0	23	0	0	0	1	2
Pacific Noncontiguous	155	181	-14.5%	4	18	136	137	11	23	NM	NM
Alaska	30	56	-47.0%	4	18	NM	15	11	23	0	0
Hawaii	125	125	0.1%	0	0	122	122	0	0	NM	NM
U.S. Total	112,293	96,466	16.4%	84,568	75,189	26,701	20,214	58	64	965	998

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Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	3,074	1,198	156.6%	880	559	2,170	624	0	0	24	15
Connecticut	303	19	NM	0	0	303	19	0	0	0	0
Maine	31	12	150.1%	0	0	18	8	0	0	13	4
Massachusetts	1,860	608	206.1%	0	0	1,849	597	0	0	11	11
New Hampshire	880	559	57.3%	880	559	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	34,376	27,672	24.2%	NM	0	33,997	27,246	NM	NM	370	425
New Jersey	723	396	82.5%	0	0	723	396	0	0	0	0
New York	2,170	1,052	106.2%	NM	0	2,060	940	0	0	102	112
Pennsylvania	31,483	26,223	20.1%	0	0	31,214	25,910	NM	NM	268	313
East North Central	120,670	105,540	14.3%	87,243	75,349	32,295	29,077	117	106	1,016	1,007
Illinois	28,894	24,826	16.4%	3,680	3,502	24,640	20,737	25	17	549	570
Indiana	29,809	28,552	4.4%	28,021	26,231	1,734	2,266	38	40	15	16
Michigan	17,797	15,507	14.8%	17,557	15,299	114	108	46	43	80	56
Ohio	31,613	27,602	14.5%	25,715	21,548	5,806	5,966	NM	NM	90	88
Wisconsin	12,557	9,052	38.7%	12,269	8,770	0	0	7	NM	282	277
West North Central	71,861	65,835	9.2%	70,714	64,745	0	0	91	68	1,056	1,022
Iowa	10,781	10,725	0.5%	10,081	10,059	0	0	58	48	642	618
Kansas	9,652	7,819	23.4%	9,652	7,819	0	0	0	0	0	0
Minnesota	7,702	7,108	8.4%	7,437	6,837	0	0	NM	NM	261	269
Missouri	24,890	22,084	12.7%	24,844	22,056	0	0	29	17	17	11
Nebraska	8,490	7,881	7.7%	8,383	7,787	0	0	0	0	108	94
North Dakota	9,265	9,405	-1.5%	9,236	9,375	0	0	0	0	29	30
South Dakota	1,081	812	33.2%	1,081	812	0	0	0	0	0	0
South Atlantic	81,076	76,215	6.4%	66,263	64,193	14,136	11,237	23	16	655	769
Delaware	380	198	91.9%	0	0	380	198	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	13,020	12,739	2.2%	12,730	12,262	225	405	0	0	65	72
Georgia	10,546	11,839	-10.9%	10,383	11,658	0	0	0	0	164	180
Maryland	4,641	3,533	31.4%	0	0	4,580	3,479	0	0	61	53
North Carolina	14,703	14,712	-0.1%	14,170	14,115	446	516	19	11	68	71
South Carolina	7,744	8,964	-13.6%	7,697	8,870	0	30	0	0	47	64
Virginia	6,490	4,007	61.9%	5,929	3,502	406	306	NM	NM	151	194
West Virginia	23,551	20,223	16.5%	15,354	13,786	8,099	6,303	0	0	98	134
East South Central	56,773	46,598	21.8%	55,189	45,276	1,047	825	8	NM	529	491
Alabama	14,112	11,121	26.9%	14,044	11,054	0	5	0	0	67	62
Kentucky	28,383	25,369	11.9%	28,383	25,369	0	0	0	0	0	0
Mississippi	2,533	2,083	21.6%	1,486	1,263	1,047	820	0	0	0	0
Tennessee	11,745	8,025	46.4%	11,275	7,591	0	0	8	NM	462	428
West South Central	67,906	60,609	12.0%	37,426	34,944	30,361	25,516	0	0	119	149
Arkansas	9,941	9,167	8.4%	8,627	7,688	1,273	1,444	0	0	41	35
Louisiana	6,692	5,462	22.5%	2,855	2,705	3,833	2,752	0	0	NM	NM
Oklahoma	8,847	8,695	1.7%	8,283	8,203	489	385	0	0	74	107
Texas	42,426	37,285	13.8%	17,661	16,349	24,765	20,935	0	0	0	NM
Mountain	66,058	58,880	12.2%	58,713	53,166	7,075	5,401	0	0	270	313
Arizona	13,366	12,416	7.7%	13,353	12,352	0	0	0	0	NM	64
Colorado	11,204	10,761	4.1%	11,173	10,724	30	37	0	0	0	0
Idaho	26	25	4.7%	0	0	0	0	0	0	26	25
Montana	6,266	4,724	32.6%	NM	NM	6,163	4,632	0	0	NM	NM
Nevada	1,596	804	98.6%	1,096	433	500	371	0	0	0	0
New Mexico	8,140	7,398	10.0%	8,140	7,398	0	0	0	0	0	0
Utah	10,473	8,969	16.8%	10,247	8,772	NM	NM	0	0	90	75
Wyoming	14,986	13,784	8.7%	14,603	13,398	246	239	0	0	138	147
Pacific Contiguous	3,387	1,767	91.7%	1,330	797	1,927	847	0	0	130	123
California	348	553	-37.1%	0	0	228	444	0	0	120	109
Oregon	1,330	797	66.9%	1,330	797	0	0	0	0	0	0
Washington	1,709	416	310.4%	0	0	1,698	402	0	0	11	14
Pacific Noncontiguous	529	721	-26.7%	56	73	411	540	55	99	NM	NM
Alaska	174	239	-27.4%	56	73	63	68	55	99	0	0
Hawaii	355	482	-26.3%	0	0	348	471	0	0	NM	NM
U.S. Total	505,709	445,033	13.6%	377,820	339,102	123,418	101,312	295	296	4,175	4,324

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	22	15	39.8%	3	4	12	3	3	3	4	5
Connecticut	1	2	-61.0%	0	0	0	1	NM	0	NM	NM
Maine	16	6	178.3%	NM	NM	14	1	NM	NM	2	5
Massachusetts	2	5	-65.0%	0	2	-2	1	2	2	1	NM
New Hampshire	NM	NM	NM	1	NM	NM	NM	NM	NM	NM	NM
Rhode Island	1	1	-7.2%	1	1	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	32	27	19.9%	5	2	20	18	2	1	5	6
New Jersey	1	NM	NM	NM	NM	1	NM	NM	NM	NM	NM
New York	15	12	29.9%	5	2	4	4	2	1	4	5
Pennsylvania	16	15	4.6%	NM	NM	15	14	NM	NM	NM	NM
East North Central	38	53	-27.7%	30	44	7	7	NM	NM	1	NM
Illinois	5	6	-12.5%	2	1	3	5	NM	NM	NM	NM
Indiana	10	6	56.0%	9	5	NM	NM	NM	NM	1	1
Michigan	11	25	-56.3%	11	25	0	0	NM	NM	0	0
Ohio	9	14	-39.9%	5	12	3	2	NM	NM	0	0
Wisconsin	3	NM	NM	3	NM	0	0	NM	NM	NM	NM
West North Central	26	35	-24.0%	26	34	NM	0	NM	NM	NM	NM
Iowa	12	12	0.4%	12	12	NM	NM	NM	NM	NM	NM
Kansas	3	3	12.0%	3	3	0	0	0	0	0	0
Minnesota	-3	NM	NM	-3	NM	NM	NM	NM	NM	NM	NM
Missouri	7	10	-27.9%	7	10	0	0	NM	NM	0	0
Nebraska	3	5	-28.4%	3	5	0	0	0	0	0	0
North Dakota	3	NM	NM	2	NM	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	138	119	16.1%	116	98	13	13	NM	NM	8	7
Delaware	1	2	-61.6%	NM	NM	1	2	0	0	0	0
District of Columbia	0	2	-100.0%	0	0	0	2	0	0	0	0
Florida	74	52	43.3%	71	49	1	2	0	0	NM	NM
Georgia	13	11	11.7%	9	8	NM	NM	NM	0	3	3
Maryland	11	7	60.7%	1	1	10	5	NM	NM	0	0
North Carolina	14	16	-15.5%	13	15	NM	NM	NM	NM	NM	NM
South Carolina	8	7	14.2%	7	7	0	0	NM	NM	1	1
Virginia	9	11	-21.3%	6	8	1	2	NM	0	NM	1
West Virginia	9	10	-10.4%	9	10	0	0	0	0	0	0
East South Central	24	28	-14.7%	20	26	NM	0	0	0	NM	NM
Alabama	9	8	11.3%	6	6	NM	0	0	0	NM	NM
Kentucky	6	8	-23.6%	6	8	0	0	0	0	0	0
Mississippi	2	1	223.7%	2	0	0	0	0	0	0	0
Tennessee	7	11	-40.1%	6	11	0	0	0	0	NM	NM
West South Central	16	14	12.6%	4	8	11	5	NM	NM	NM	NM
Arkansas	2	7	-66.5%	0	5	2	2	0	0	NM	NM
Louisiana	3	2	52.6%	NM	0	2	1	0	0	0	0
Oklahoma	2	2	16.5%	2	1	0	0	NM	NM	0	0
Texas	9	4	114.9%	2	1	7	3	NM	NM	NM	NM
Mountain	17	25	-29.8%	17	24	NM	NM	NM	NM	NM	NM
Arizona	4	4	-14.3%	4	4	0	0	NM	NM	0	NM
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	1	2	-50.5%	1	2	0	0	0	0	0	0
New Mexico	4	7	-46.5%	4	7	NM	NM	0	0	0	0
Utah	5	6	-16.3%	5	6	NM	NM	0	0	0	0
Wyoming	3	NM	NM	3	NM	0	0	0	0	NM	NM
Pacific Contiguous	7	NM	NM	4	4	2	4	NM	NM	1	NM
California	5	7	-29.9%	3	2	1	4	NM	NM	NM	NM
Oregon	1	NM	NM	1	0	0	0	NM	NM	0	0
Washington	2	NM	NM	NM	NM	0	NM	NM	NM	1	NM
Pacific Noncontiguous	644	704	-8.6%	504	570	128	100	NM	NM	12	34
Alaska	75	80	-5.5%	71	75	0	0	NM	NM	4	5
Hawaii	569	625	-9.0%	433	495	128	100	0	0	8	29
U.S. Total	965	1,030	-6.4%	729	814	193	152	6	6	36	58

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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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	490	112	336.8%	78	24	372	56	24	12	16	21
Connecticut	155	9	NM	1	2	152	6	NM	0	NM	NM
Maine	131	43	206.6%	NM	0	122	22	NM	NM	7	20
Massachusetts	142	41	249.7%	38	7	83	27	NM	6	7	NM
New Hampshire	41	15	174.4%	34	11	NM	NM	NM	NM	NM	NM
Rhode Island	20	4	363.2%	3	4	16	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	539	128	321.7%	176	17	325	79	NM	4	32	28
New Jersey	63	2	NM	NM	NM	62	1	NM	NM	NM	NM
New York	373	79	369.7%	176	17	162	33	NM	3	29	26
Pennsylvania	104	46	124.5%	NM	NM	102	44	0	0	NM	NM
East North Central	181	201	-10.1%	145	166	30	29	NM	NM	5	5
Illinois	21	22	-4.1%	7	7	15	15	NM	0	NM	NM
Indiana	45	38	18.8%	41	34	NM	NM	NM	NM	4	4
Michigan	40	51	-22.4%	38	49	0	0	NM	1	1	1
Ohio	64	83	-23.1%	49	70	14	13	NM	NM	0	1
Wisconsin	11	7	64.9%	9	5	1	1	NM	NM	NM	NM
West North Central	89	93	-4.7%	87	91	1	1	NM	NM	NM	NM
Iowa	25	25	1.8%	25	25	NM	0	NM	NM	NM	NM
Kansas	15	11	39.4%	15	11	0	0	0	0	0	0
Minnesota	0	5	-97.3%	-1	4	0	0	NM	NM	NM	NM
Missouri	26	28	-5.7%	26	28	0	0	NM	NM	0	0
Nebraska	8	10	-17.1%	8	10	0	0	0	0	0	0
North Dakota	10	11	-9.9%	9	10	0	0	NM	NM	NM	NM
South Dakota	3	3	10.7%	3	3	NM	NM	NM	NM	0	0
South Atlantic	506	447	13.2%	392	332	69	69	NM	NM	43	44
Delaware	11	5	101.9%	NM	NM	10	5	0	0	0	0
District of Columbia	0	3	-100.0%	0	0	0	3	0	0	0	0
Florida	196	139	40.6%	187	127	NM	5	0	0	6	7
Georgia	19	41	-53.3%	1	24	NM	NM	0	1	17	15
Maryland	43	33	30.6%	2	3	41	24	NM	NM	0	6
North Carolina	83	74	13.1%	75	69	4	NM	NM	NM	NM	4
South Carolina	31	42	-25.2%	28	38	0	0	NM	NM	3	3
Virginia	84	64	31.0%	61	25	10	29	0	0	13	9
West Virginia	38	45	-15.2%	37	45	1	0	0	0	0	0
East South Central	125	119	5.4%	112	110	NM	1	0	0	13	8
Alabama	35	29	21.5%	24	21	NM	1	0	0	11	7
Kentucky	40	37	8.2%	40	37	0	0	0	0	0	0
Mississippi	5	4	26.6%	4	3	0	0	0	0	2	1
Tennessee	44	48	-8.2%	43	48	0	0	0	0	NM	NM
West South Central	68	50	34.6%	18	21	40	23	NM	NM	10	5
Arkansas	10	14	-28.1%	3	8	6	5	0	0	NM	1
Louisiana	22	10	129.8%	4	2	9	4	0	0	9	4
Oklahoma	2	4	-33.7%	2	3	0	0	NM	0	0	0
Texas	33	23	43.6%	8	8	24	14	NM	NM	NM	NM
Mountain	73	73	0.1%	69	69	4	4	NM	NM	NM	NM
Arizona	17	16	5.5%	17	16	0	0	NM	NM	NM	NM
Colorado	5	7	-33.7%	5	7	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	2	NM	NM	NM	NM	2	NM	0	0	0	0
Nevada	5	6	-23.1%	4	5	1	1	0	0	0	0
New Mexico	17	16	5.6%	17	16	NM	NM	0	0	0	0
Utah	15	14	5.6%	15	14	NM	NM	0	0	0	0
Wyoming	12	12	6.2%	12	12	0	0	0	0	NM	NM
Pacific Contiguous	23	29	-17.9%	13	14	5	8	NM	NM	5	NM
California	13	17	-24.7%	10	10	1	6	NM	NM	NM	NM
Oregon	NM	1	NM	2	1	0	0	NM	NM	0	0
Washington	8	NM	NM	NM	3	3	2	NM	NM	4	NM
Pacific Noncontiguous	2,561	2,785	-8.0%	2,068	2,299	453	410	1	NM	39	75
Alaska	259	345	-24.9%	246	329	0	0	NM	NM	12	15
Hawaii	2,302	2,441	-5.7%	1,822	1,970	453	410	1	1	27	60
U.S. Total	4,656	4,037	15.3%	3,158	3,142	1,299	679	34	21	165	195

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Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	140	71	96.3%	14	6	104	45	0	0	22	20
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	13	0	--	13	0	0	0	0	0	0	0
Michigan	NM	NM	NM	0	0	6	5	0	0	NM	NM
Ohio	98	40	142.6%	0	0	98	40	0	0	0	0
Wisconsin	17	24	-28.7%	1	6	0	0	0	0	16	18
West North Central	0	0	-108.2%	0	0	0	0	0	0	0	0
Iowa	0	0	-247.3%	0	0	0	0	0	0	0	0
Kansas	0	0	-29.7%	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	182	28	557.4%	162	0	0	0	0	0	21	28
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	162	0	--	162	0	0	0	0	0	0	0
Georgia	21	28	-24.9%	0	0	0	0	0	0	21	28
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	113	117	-2.8%	113	117	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	113	117	-2.8%	113	117	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	390	274	42.4%	285	170	0	0	0	0	105	104
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	305	184	65.6%	285	170	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	85	90	-5.0%	0	0	0	0	0	0	85	90
Mountain	41	40	0.1%	0	0	41	40	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	41	40	0.1%	0	0	41	40	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	0	NM	0	0	NM	0	0	0	0	0
California	NM	0	NM	0	0	NM	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	875	534	63.9%	574	293	148	86	0	0	153	156

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	953	780	22.2%	445	364	415	326	0	0	92	90
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	443	338	31.1%	443	338	0	0	0	0	0	0
Michigan	49	43	12.3%	0	0	26	24	0	0	NM	NM
Ohio	389	303	28.6%	0	0	389	302	0	0	0	NM
Wisconsin	71	96	-25.5%	2	26	0	0	0	0	70	70
West North Central	2	14	-84.9%	0	12	0	0	2	2	0	0
Iowa	2	14	-83.9%	0	12	0	0	2	2	0	0
Kansas	0	0	130.3%	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	390	474	-17.7%	299	352	0	0	0	0	91	122
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	299	352	-15.0%	299	352	0	0	0	0	0	0
Georgia	91	122	-25.5%	0	0	0	0	0	0	91	122
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	424	325	30.7%	424	325	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	424	325	30.7%	424	325	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,771	1,472	20.4%	1,409	997	0	0	0	0	362	475
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,489	1,070	39.2%	1,409	997	0	0	0	0	81	73
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	282	401	-29.8%	0	0	0	0	0	0	282	401
Mountain	161	162	-0.8%	0	0	161	162	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	161	162	-0.8%	0	0	161	162	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	215	NM	0	0	NM	215	0	0	0	0
California	NM	215	NM	0	0	NM	215	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,741	3,458	8.2%	2,577	2,049	594	703	2	2	567	704

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	4,065	3,912	3.9%	NM	32	3,849	3,633	51	50	159	197
Connecticut	1,215	1,053	15.4%	NM	NM	1,181	1,013	NM	NM	NM	NM
Maine	360	301	19.6%	0	0	230	139	NM	NM	130	161
Massachusetts	1,920	1,595	20.3%	4	28	1,874	1,524	32	30	NM	NM
New Hampshire	18	419	-95.7%	0	0	16	417	0	0	NM	NM
Rhode Island	552	543	1.7%	0	0	549	539	NM	NM	0	0
Vermont	0	0	-58.5%	0	0	0	0	0	0	0	0
Middle Atlantic	9,136	10,625	-14.0%	1,045	815	7,925	9,632	63	64	103	114
New Jersey	2,020	2,066	-2.2%	0	0	1,974	2,018	NM	NM	34	39
New York	3,610	4,210	-14.3%	1,045	814	2,499	3,327	47	50	19	NM
Pennsylvania	3,507	4,349	-19.4%	NM	NM	3,452	4,287	NM	NM	50	56
East North Central	4,279	7,260	-41.1%	1,365	2,395	2,722	4,643	83	97	109	125
Illinois	649	1,083	-40.1%	82	150	508	862	30	38	28	NM
Indiana	534	1,011	-47.1%	378	917	106	44	NM	NM	47	45
Michigan	1,188	2,552	-53.4%	174	602	969	1,900	30	29	15	21
Ohio	1,196	1,685	-29.0%	436	311	742	1,354	NM	NM	NM	NM
Wisconsin	712	929	-23.4%	295	416	397	483	NM	NM	13	NM
West North Central	1,060	1,334	-20.5%	873	1,014	152	278	19	25	17	NM
Iowa	46	NM	NM	44	NM	NM	NM	NM	NM	NM	1
Kansas	149	240	-38.2%	146	237	0	0	0	0	3	NM
Minnesota	586	612	-4.4%	482	495	87	98	NM	NM	NM	NM
Missouri	239	406	-41.2%	166	214	64	181	9	11	NM	NM
Nebraska	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	18,978	20,073	-5.5%	15,375	14,979	3,299	4,830	NM	NM	281	247
Delaware	378	681	-44.5%	NM	NM	321	642	0	0	56	36
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	10,569	11,904	-11.2%	9,629	10,767	819	1,014	NM	NM	117	119
Georgia	2,986	3,209	-6.9%	2,332	1,668	581	1,485	0	0	73	56
Maryland	254	824	-69.2%	0	0	235	799	NM	NM	NM	NM
North Carolina	2,019	1,431	41.1%	1,423	1,090	584	332	0	0	NM	NM
South Carolina	923	842	9.6%	872	619	NM	218	0	NM	5	NM
Virginia	1,825	1,157	57.6%	1,117	826	695	322	0	0	NM	NM
West Virginia	18	18	2.9%	0	0	18	17	0	0	NM	NM
East South Central	5,222	8,587	-39.2%	2,508	4,783	2,489	3,670	NM	NM	215	123
Alabama	3,135	4,300	-27.1%	960	1,156	2,097	3,069	0	0	77	75
Kentucky	141	578	-75.6%	122	529	NM	34	0	0	NM	NM
Mississippi	1,855	3,120	-40.5%	1,347	2,521	390	568	NM	NM	115	29
Tennessee	91	589	-84.6%	78	578	0	0	NM	NM	4	NM
West South Central	21,662	28,160	-23.1%	5,183	7,889	11,504	15,615	46	50	4,928	4,606
Arkansas	704	1,546	-54.5%	NM	256	629	1,273	NM	NM	23	18
Louisiana	3,753	4,686	-19.9%	1,470	1,790	627	1,145	NM	NM	1,653	1,747
Oklahoma	2,075	3,798	-45.4%	1,529	2,357	535	1,429	NM	NM	NM	NM
Texas	15,130	18,130	-16.6%	2,133	3,487	9,714	11,767	39	42	3,244	2,834
Mountain	4,856	5,842	-16.9%	2,838	3,932	1,911	1,801	NM	16	95	93
Arizona	1,469	2,288	-35.8%	476	1,276	988	1,007	NM	5	0	NM
Colorado	677	717	-5.7%	367	497	308	219	0	0	NM	NM
Idaho	108	77	40.9%	34	NM	71	52	0	0	NM	4
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	1,323	1,545	-14.4%	1,119	1,211	175	306	NM	5	NM	24
New Mexico	751	673	11.7%	411	483	328	177	NM	6	NM	7
Utah	470	483	-2.8%	420	432	NM	NM	NM	NM	NM	14
Wyoming	50	47	6.7%	NM	NM	NM	NM	0	0	46	42
Pacific Contiguous	7,947	9,239	-14.0%	2,390	2,769	4,651	5,336	106	137	801	996
California	6,993	8,610	-18.8%	2,054	2,645	4,051	4,848	102	132	787	985
Oregon	686	453	51.5%	136	10	540	432	NM	NM	NM	NM
Washington	268	176	52.3%	199	114	60	57	NM	NM	8	4
Pacific Noncontiguous	296	316	-6.5%	291	310	0	0	NM	NM	NM	NM
Alaska	296	316	-6.5%	291	310	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	77,502	95,346	-18.7%	31,874	38,919	38,502	49,438	414	468	6,712	6,522

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	14,678	18,233	-19.5%	62	52	13,559	17,096	226	237	830	847
Connecticut	5,011	4,492	11.5%	NM	NM	4,854	4,330	65	70	82	81
Maine	1,658	2,099	-21.0%	0	0	976	1,394	NM	NM	682	705
Massachusetts	5,530	6,815	-18.9%	42	36	5,285	6,575	146	151	57	53
New Hampshire	1,032	2,319	-55.5%	9	4	1,016	2,307	0	0	NM	NM
Rhode Island	1,446	2,506	-42.3%	0	0	1,429	2,490	NM	NM	0	0
Vermont	1	1	15.4%	1	1	0	0	0	0	0	0
Middle Atlantic	39,002	41,532	-6.1%	3,742	3,626	34,529	37,163	277	254	454	490
New Jersey	7,414	7,742	-4.2%	0	0	7,218	7,533	46	41	151	168
New York	15,949	16,167	-1.3%	3,740	3,624	11,918	12,265	210	193	80	85
Pennsylvania	15,639	17,623	-11.3%	NM	NM	15,393	17,365	NM	NM	223	237
East North Central	18,767	28,233	-33.5%	6,501	10,137	11,450	17,164	371	430	446	501
Illinois	2,240	3,481	-35.7%	148	427	1,817	2,765	140	154	135	135
Indiana	2,781	5,180	-46.3%	1,923	4,290	669	684	NM	NM	172	189
Michigan	4,052	8,212	-50.7%	587	1,592	3,258	6,369	139	159	68	92
Ohio	6,880	7,654	-10.1%	2,386	1,798	4,416	5,774	57	59	NM	24
Wisconsin	2,814	3,705	-24.1%	1,456	2,029	1,289	1,573	18	42	50	61
West North Central	4,489	4,254	5.5%	3,749	3,599	606	484	59	102	75	69
Iowa	288	225	28.0%	279	218	NM	NM	NM	NM	NM	3
Kansas	550	679	-19.1%	541	671	0	0	0	0	9	NM
Minnesota	2,099	1,856	13.1%	1,844	1,595	172	172	45	58	38	31
Missouri	1,427	1,392	2.5%	983	1,042	434	312	10	38	NM	NM
Nebraska	43	56	-23.8%	29	40	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	72	NM	NM	72	NM	0	0	0	0	0	0
South Atlantic	76,747	77,951	-1.5%	62,212	60,100	13,243	16,807	94	78	1,198	965
Delaware	1,733	2,219	-21.9%	NM	NM	1,465	2,082	0	0	263	130
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	41,430	45,279	-8.5%	38,442	41,236	2,481	3,552	NM	NM	494	477
Georgia	13,546	11,368	19.2%	10,373	6,333	2,880	4,823	0	0	292	213
Maryland	534	1,309	-59.2%	0	0	458	1,201	56	62	NM	46
North Carolina	8,631	5,996	43.9%	5,716	4,847	2,868	1,113	1	2	45	NM
South Carolina	3,793	4,015	-5.5%	3,585	3,421	184	575	1	NM	22	18
Virginia	6,985	7,679	-9.0%	4,075	4,229	2,851	3,406	0	0	59	44
West Virginia	73	60	22.0%	15	2	55	55	0	0	NM	NM
East South Central	27,865	33,006	-15.6%	14,836	17,216	12,059	15,233	NM	45	927	512
Alabama	15,581	17,710	-12.0%	4,669	4,465	10,556	12,942	0	0	355	303
Kentucky	541	1,007	-46.3%	438	882	34	49	0	0	69	76
Mississippi	9,940	12,481	-20.4%	7,978	10,114	1,469	2,241	NM	NM	485	118
Tennessee	1,803	1,807	-0.2%	1,750	1,754	0	0	NM	37	18	16
West South Central	85,950	99,315	-13.5%	18,992	24,508	46,166	54,960	177	182	20,615	19,665
Arkansas	4,484	5,277	-15.0%	NM	617	4,221	4,583	NM	NM	99	77
Louisiana	14,889	17,046	-12.7%	5,168	6,086	2,272	3,552	NM	NM	7,434	7,393
Oklahoma	8,656	11,827	-26.8%	6,640	8,128	1,956	3,652	NM	NM	NM	NM
Texas	57,921	65,166	-11.1%	7,020	9,678	37,717	43,173	150	155	13,034	12,160
Mountain	20,772	23,625	-12.1%	12,600	13,920	7,711	9,249	63	66	398	390
Arizona	5,110	8,175	-37.5%	2,213	3,630	2,873	4,523	21	22	NM	NM
Colorado	2,950	3,109	-5.1%	1,664	1,920	1,280	1,183	0	0	NM	NM
Idaho	856	594	44.1%	261	32	579	546	0	0	17	17
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	7,181	6,735	6.6%	5,300	5,010	1,764	1,618	18	19	98	88
New Mexico	2,491	2,628	-5.2%	1,426	1,405	1,014	1,174	23	24	28	25
Utah	1,949	2,142	-9.0%	1,694	1,876	195	201	NM	NM	59	65
Wyoming	198	200	-1.3%	NM	NM	NM	NM	0	0	187	188
Pacific Contiguous	41,272	42,997	-4.0%	13,815	13,591	22,981	24,806	560	574	3,916	4,026
California	34,015	36,527	-6.9%	10,203	10,584	19,421	21,430	542	551	3,848	3,962
Oregon	4,897	4,708	4.0%	1,601	1,596	3,240	3,052	17	NM	41	40
Washington	2,359	1,762	33.9%	2,010	1,410	320	324	NM	NM	27	24
Pacific Noncontiguous	1,298	1,436	-9.6%	1,271	1,405	0	0	NM	NM	26	29
Alaska	1,298	1,436	-9.6%	1,271	1,405	0	0	NM	NM	26	29
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	330,839	370,581	-10.7%	137,778	148,154	162,305	192,962	1,871	1,970	28,885	27,494

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	67	66	1.7%	0	0	0	NM	0	NM	67	59
New Jersey	NM	NM	NM	0	0	0	0	0	NM	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	58	56	2.2%	0	0	0	NM	0	0	58	50
East North Central	211	245	-13.9%	7	0	31	36	0	0	173	209
Illinois	23	NM	NM	0	0	3	0	0	0	NM	NM
Indiana	142	175	-18.8%	0	0	0	0	0	0	142	175
Michigan	35	28	25.4%	7	0	28	28	0	0	0	0
Ohio	NM	23	NM	0	0	0	8	0	0	NM	NM
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	9	57	-84.3%	0	0	0	0	0	0	9	57
Delaware	7	21	-68.7%	0	0	0	0	0	0	7	21
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	1	-48.5%	0	0	0	0	0	0	0	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	33	-100.0%	0	0	0	0	0	0	0	33
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	2	2	2.0%	0	0	0	0	0	0	2	2
East South Central	21	33	-35.2%	0	0	0	0	0	0	21	33
Alabama	20	31	-35.9%	0	0	0	0	0	0	20	31
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-18.7%	0	0	0	0	0	0	1	1
West South Central	349	378	-7.7%	0	0	139	158	0	0	210	220
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	160	122	30.9%	0	0	32	22	0	0	128	101
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	189	256	-26.1%	0	0	107	136	0	0	82	120
Mountain	29	27	7.2%	0	0	0	1	0	0	29	26
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	NM	0	0	0	0	0	0	0	0
Nevada	0	1	-73.2%	0	0	0	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	26	24	10.3%	0	0	0	0	0	0	26	24
Pacific Contiguous	161	169	-4.4%	NM	NM	29	32	0	0	131	136
California	132	136	-3.3%	NM	NM	0	0	0	0	131	136
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	29	32	-8.8%	0	0	29	32	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM
U.S. Total	853	980	-12.9%	8	NM	199	233	0	NM	646	745

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	273	291	-6.0%	0	0	NM	NM	NM	NM	264	270
New Jersey	54	54	0.3%	0	0	0	0	NM	NM	54	53
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	219	237	-7.5%	0	0	NM	NM	0	0	210	217
East North Central	966	1,063	-9.1%	14	0	111	132	0	0	841	931
Illinois	116	110	5.6%	0	0	6	0	0	0	110	110
Indiana	669	751	-11.0%	0	0	0	0	0	0	669	751
Michigan	119	113	5.3%	14	0	104	113	0	0	0	0
Ohio	63	90	-29.4%	0	0	0	19	0	0	63	70
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	15	15	4.6%	0	0	0	0	0	0	15	15
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	15	15	4.6%	0	0	0	0	0	0	15	15
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	36	173	-79.0%	0	0	0	0	0	0	36	173
Delaware	26	75	-65.1%	0	0	0	0	0	0	26	75
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2	3	-49.4%	0	0	0	0	0	0	2	3
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	85	-100.0%	0	0	0	0	0	0	0	85
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	9	10	-16.5%	0	0	0	0	0	0	9	10
East South Central	57	127	-55.3%	0	0	0	0	0	0	57	127
Alabama	52	122	-57.4%	0	0	0	0	0	0	52	122
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5	4	2.4%	0	0	0	0	0	0	5	4
West South Central	1,377	1,448	-4.9%	0	0	548	655	0	0	829	793
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	610	440	38.8%	0	0	127	91	0	0	483	349
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	767	1,009	-24.0%	0	0	421	564	0	0	346	444
Mountain	119	122	-2.4%	0	0	1	2	0	0	118	120
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	22.1%	0	0	0	0	0	0	0	0
Nevada	1	2	-39.5%	0	0	1	2	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	10	NM	0	0	0	0	0	0	NM	10
Wyoming	108	110	-1.2%	0	0	0	0	0	0	108	110
Pacific Contiguous	635	724	-12.3%	NM	NM	112	132	0	0	519	588
California	523	592	-11.7%	NM	NM	0	0	0	0	519	588
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	112	132	-15.1%	0	0	112	132	0	0	0	0
Pacific Noncontiguous	NM	12	NM	0	0	0	0	0	0	NM	12
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	11	NM	0	0	0	0	0	0	NM	11
U.S. Total	3,490	3,974	-12.2%	18	NM	781	941	NM	NM	2,691	3,029

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	2,450	3,084	-20.6%	0	0	2,450	3,084	0	0	0	0
Connecticut	1,007	1,518	-33.7%	0	0	1,007	1,518	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	189	489	-61.3%	0	0	189	489	0	0	0	0
New Hampshire	899	699	28.6%	0	0	899	699	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	356	378	-5.9%	0	0	356	378	0	0	0	0
Middle Atlantic	12,212	11,120	9.8%	0	0	12,212	11,120	0	0	0	0
New Jersey	2,561	2,479	3.3%	0	0	2,561	2,479	0	0	0	0
New York	3,599	3,024	19.0%	0	0	3,599	3,024	0	0	0	0
Pennsylvania	6,053	5,618	7.7%	0	0	6,053	5,618	0	0	0	0
East North Central	10,306	10,295	0.1%	1,244	812	9,062	9,483	0	0	0	0
Illinois	6,840	7,513	-9.0%	0	0	6,840	7,513	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,827	883	106.9%	1,244	812	583	71	0	0	0	0
Ohio	651	1,031	-36.8%	0	0	651	1,031	0	0	0	0
Wisconsin	988	868	13.8%	0	0	988	868	0	0	0	0
West North Central	2,287	3,557	-35.7%	1,845	3,116	442	441	0	0	0	0
Iowa	442	441	0.2%	0	0	442	441	0	0	0	0
Kansas	327	870	-62.4%	327	870	0	0	0	0	0	0
Minnesota	778	808	-3.7%	778	808	0	0	0	0	0	0
Missouri	173	875	-80.2%	173	875	0	0	0	0	0	0
Nebraska	567	563	0.7%	567	563	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15,411	13,125	17.4%	14,127	12,073	1,284	1,052	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,049	1,170	75.1%	2,049	1,170	0	0	0	0	0	0
Georgia	2,845	2,882	-1.3%	2,845	2,882	0	0	0	0	0	0
Maryland	1,284	1,052	22.0%	0	0	1,284	1,052	0	0	0	0
North Carolina	2,395	2,765	-13.4%	2,395	2,765	0	0	0	0	0	0
South Carolina	4,745	3,478	36.5%	4,745	3,478	0	0	0	0	0	0
Virginia	2,093	1,778	17.7%	2,093	1,778	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	5,975	4,830	23.7%	5,975	4,830	0	0	0	0	0	0
Alabama	2,455	2,440	0.6%	2,455	2,440	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,030	-7	NM	1,030	-7	0	0	0	0	0	0
Tennessee	2,490	2,397	3.9%	2,490	2,397	0	0	0	0	0	0
West South Central	3,773	5,648	-33.2%	1,447	2,841	2,326	2,807	0	0	0	0
Arkansas	26	1,331	-98.1%	26	1,331	0	0	0	0	0	0
Louisiana	1,421	1,510	-5.9%	1,421	1,510	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,326	2,807	-17.2%	0	0	2,326	2,807	0	0	0	0
Mountain	1,925	2,240	-14.1%	1,925	2,240	0	0	0	0	0	0
Arizona	1,925	2,240	-14.1%	1,925	2,240	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,427	1,971	23.2%	2,427	1,971	0	0	0	0	0	0
California	1,626	1,185	37.2%	1,626	1,185	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	802	786	2.0%	802	786	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	56,767	55,871	1.6%	28,991	27,884	27,776	27,987	0	0	0	0

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Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	11,785	12,603	-6.5%	0	0	11,785	12,603	0	0	0	0
Connecticut	5,564	6,103	-8.8%	0	0	5,564	6,103	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	1,326	1,969	-32.7%	0	0	1,326	1,969	0	0	0	0
New Hampshire	3,594	2,903	23.8%	0	0	3,594	2,903	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,302	1,628	-20.0%	0	0	1,302	1,628	0	0	0	0
Middle Atlantic	53,383	51,112	4.4%	0	0	53,383	51,112	0	0	0	0
New Jersey	11,682	11,456	2.0%	0	0	11,682	11,456	0	0	0	0
New York	14,386	13,454	6.9%	0	0	14,386	13,454	0	0	0	0
Pennsylvania	27,315	26,202	4.2%	0	0	27,315	26,202	0	0	0	0
East North Central	49,856	51,331	-2.9%	7,436	7,583	42,421	43,747	0	0	0	0
Illinois	30,985	31,657	-2.1%	0	0	30,985	31,657	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	9,627	9,295	3.6%	7,436	7,583	2,192	1,711	0	0	0	0
Ohio	4,641	5,654	-17.9%	0	0	4,641	5,654	0	0	0	0
Wisconsin	4,603	4,726	-2.6%	0	0	4,603	4,726	0	0	0	0
West North Central	12,042	12,848	-6.3%	10,275	11,067	1,766	1,781	0	0	0	0
Iowa	1,766	1,781	-0.8%	0	0	1,766	1,781	0	0	0	0
Kansas	1,294	1,298	-0.4%	1,294	1,298	0	0	0	0	0	0
Minnesota	3,898	3,937	-1.0%	3,898	3,937	0	0	0	0	0	0
Missouri	2,823	3,570	-20.9%	2,823	3,570	0	0	0	0	0	0
Nebraska	2,261	2,262	0.0%	2,261	2,262	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	62,527	58,867	6.2%	58,182	55,186	4,344	3,681	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7,094	5,799	22.3%	7,094	5,799	0	0	0	0	0	0
Georgia	9,798	10,994	-10.9%	9,798	10,994	0	0	0	0	0	0
Maryland	4,344	3,681	18.0%	0	0	4,344	3,681	0	0	0	0
North Carolina	12,224	13,086	-6.6%	12,224	13,086	0	0	0	0	0	0
South Carolina	19,047	16,130	18.1%	19,047	16,130	0	0	0	0	0	0
Virginia	10,019	9,176	9.2%	10,019	9,176	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	25,304	23,834	6.2%	25,304	23,834	0	0	0	0	0	0
Alabama	12,272	13,457	-8.8%	12,272	13,457	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	3,366	1,419	137.2%	3,366	1,419	0	0	0	0	0	0
Tennessee	9,667	8,957	7.9%	9,667	8,957	0	0	0	0	0	0
West South Central	19,035	22,592	-15.7%	8,440	11,560	10,595	11,032	0	0	0	0
Arkansas	3,818	5,379	-29.0%	3,818	5,379	0	0	0	0	0	0
Louisiana	4,622	6,181	-25.2%	4,622	6,181	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	10,595	11,032	-4.0%	0	0	10,595	11,032	0	0	0	0
Mountain	10,365	10,349	0.2%	10,365	10,349	0	0	0	0	0	0
Arizona	10,365	10,349	0.2%	10,365	10,349	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,306	10,292	-19.3%	8,306	10,292	0	0	0	0	0	0
California	5,087	7,051	-27.9%	5,087	7,051	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3,219	3,241	-0.7%	3,219	3,241	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	252,603	253,828	-0.5%	128,309	129,871	124,295	123,957	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	765	628	21.8%	113	82	607	491	NM	NM	44	55
Connecticut	46	NM	NM	NM	NM	NM	NM	0	0	0	0
Maine	324	283	14.6%	0	0	283	231	0	0	41	52
Massachusetts	107	92	16.1%	NM	NM	79	72	NM	NM	NM	NM
New Hampshire	169	112	50.2%	42	25	127	87	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	118	101	17.5%	41	NM	76	NM	0	0	NM	NM
Middle Atlantic	2,259	2,345	-3.7%	1,694	1,888	559	451	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	1,978	2,165	-8.7%	1,549	1,821	423	338	NM	NM	NM	NM
Pennsylvania	278	177	56.8%	145	67	133	110	0	0	0	0
East North Central	359	437	-17.7%	319	396	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Indiana	34	48	-28.1%	34	48	0	0	0	0	0	0
Michigan	112	132	-15.0%	99	120	NM	NM	0	0	NM	NM
Ohio	33	45	-25.2%	33	45	0	0	0	0	0	0
Wisconsin	168	203	-17.2%	149	180	NM	NM	NM	NM	NM	NM
West North Central	907	1,150	-21.2%	883	1,118	NM	NM	0	0	NM	NM
Iowa	70	81	-13.0%	70	80	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	76	NM	NM	46	NM	NM	0	0	NM	NM
Missouri	187	155	20.8%	187	155	0	0	0	0	0	0
Nebraska	128	150	-14.8%	128	150	0	0	0	0	0	0
North Dakota	162	240	-32.4%	162	240	0	0	0	0	0	0
South Dakota	297	447	-33.5%	297	447	0	0	0	0	0	0
South Atlantic	1,148	924	24.3%	956	686	68	170	NM	NM	122	67
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	NM	NM	NM	NM	0	0	0	0	0	0
Georgia	256	174	47.2%	254	172	NM	NM	0	0	NM	NM
Maryland	24	111	-78.6%	0	0	24	111	0	0	0	0
North Carolina	419	259	62.0%	367	256	NM	NM	NM	NM	47	NM
South Carolina	176	116	50.8%	171	114	NM	NM	NM	0	0	0
Virginia	118	104	13.2%	111	99	NM	NM	0	0	NM	NM
West Virginia	139	146	-5.2%	NM	NM	29	50	0	0	72	65
East South Central	2,103	848	148.1%	2,046	847	NM	NM	0	0	56	0
Alabama	1,018	286	255.8%	1,018	286	0	0	0	0	0	0
Kentucky	294	156	88.8%	293	155	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	791	406	94.9%	735	406	0	0	0	0	56	0
West South Central	671	816	-17.8%	565	719	106	97	0	0	0	0
Arkansas	239	416	-42.5%	235	413	NM	NM	0	0	0	0
Louisiana	98	91	7.7%	0	0	98	91	0	0	0	0
Oklahoma	263	253	3.8%	263	253	0	0	0	0	0	0
Texas	70	55	27.3%	67	52	NM	NM	0	0	0	0
Mountain	3,231	3,896	-17.1%	2,798	3,370	433	526	0	0	0	0
Arizona	524	650	-19.5%	524	650	0	0	0	0	0	0
Colorado	162	182	-11.3%	147	164	NM	NM	0	0	0	0
Idaho	1,116	1,291	-13.6%	1,046	1,168	70	123	0	0	0	0
Montana	932	1,243	-25.0%	591	864	342	379	0	0	0	0
Nevada	333	312	6.8%	328	307	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	97	114	-15.0%	96	113	NM	NM	0	0	0	0
Wyoming	52	83	-37.9%	51	82	NM	NM	0	0	0	0
Pacific Contiguous	13,203	14,964	-11.8%	13,048	14,806	154	157	NM	NM	NM	NM
California	2,239	2,229	0.4%	2,132	2,124	107	104	NM	NM	0	0
Oregon	3,259	3,951	-17.5%	3,235	3,923	NM	NM	0	0	0	0
Washington	7,705	8,784	-12.3%	7,681	8,759	NM	NM	0	0	NM	NM
Pacific Noncontiguous	119	130	-8.4%	114	122	1	4	0	0	NM	NM
Alaska	113	120	-6.1%	113	120	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	1	4	0	0	NM	NM
U.S. Total	24,764	26,136	-5.2%	22,537	24,033	1,971	1,940	NM	NM	252	160

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	3,032	3,024	0.3%	438	412	2,362	2,355	NM	NM	230	255
Connecticut	199	203	-1.9%	NM	NM	181	184	0	0	0	0
Maine	1,380	1,369	0.8%	0	0	1,163	1,127	0	0	217	242
Massachusetts	412	418	-1.3%	110	100	298	314	NM	NM	NM	NM
New Hampshire	533	520	2.4%	141	127	390	391	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	506	512	-1.2%	168	166	329	337	0	0	NM	NM
Middle Atlantic	9,545	10,981	-13.1%	7,195	8,638	2,322	2,313	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	8,464	9,972	-15.1%	6,673	8,169	1,763	1,774	NM	NM	NM	NM
Pennsylvania	1,068	996	7.2%	522	469	546	527	0	0	0	0
East North Central	1,281	1,418	-9.6%	1,143	1,272	84	87	NM	NM	NM	54
Illinois	44	46	-2.7%	NM	NM	27	29	NM	0	0	0
Indiana	137	143	-4.4%	137	143	0	0	0	0	0	0
Michigan	382	435	-12.2%	340	394	NM	32	0	0	NM	NM
Ohio	138	126	9.4%	138	126	0	0	0	0	0	0
Wisconsin	580	668	-13.1%	512	592	NM	NM	NM	NM	NM	46
West North Central	3,083	4,006	-23.0%	2,998	3,901	62	68	0	0	NM	37
Iowa	245	269	-8.6%	243	266	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	208	247	-15.7%	132	150	NM	60	0	0	NM	37
Missouri	351	456	-23.0%	351	456	0	0	0	0	0	0
Nebraska	444	496	-10.5%	444	496	0	0	0	0	0	0
North Dakota	677	829	-18.3%	677	829	0	0	0	0	0	0
South Dakota	1,152	1,705	-32.4%	1,152	1,705	0	0	0	0	0	0
South Atlantic	5,623	4,647	21.0%	4,211	3,376	835	978	NM	NM	571	288
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	68	66	3.3%	68	66	0	0	0	0	0	0
Georgia	1,034	842	22.9%	1,023	831	NM	NM	0	0	NM	NM
Maryland	607	744	-18.4%	0	0	607	744	0	0	0	0
North Carolina	2,151	1,416	51.9%	1,837	1,403	NM	NM	NM	NM	298	NM
South Carolina	736	550	33.7%	717	535	NM	NM	NM	NM	0	0
Virginia	435	405	7.3%	406	377	NM	NM	0	0	NM	NM
West Virginia	592	624	-5.1%	161	164	169	184	0	0	261	276
East South Central	10,050	7,963	26.2%	9,697	7,959	NM	NM	0	0	350	0
Alabama	4,864	3,556	36.8%	4,864	3,556	0	0	0	0	0	0
Kentucky	1,224	1,105	10.8%	1,221	1,102	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	3,962	3,302	20.0%	3,612	3,302	0	0	0	0	350	0
West South Central	1,950	2,657	-26.6%	1,524	2,192	426	464	0	0	0	0
Arkansas	689	1,311	-47.5%	672	1,295	NM	NM	0	0	0	0
Louisiana	395	434	-8.9%	0	0	395	434	0	0	0	0
Oklahoma	547	692	-21.0%	547	692	0	0	0	0	0	0
Texas	319	220	45.3%	305	206	NM	NM	0	0	0	0
Mountain	10,355	11,938	-13.3%	8,949	10,378	1,406	1,560	0	0	0	0
Arizona	2,079	2,512	-17.2%	2,079	2,512	0	0	0	0	0	0
Colorado	623	634	-1.7%	572	575	NM	58	0	0	0	0
Idaho	3,252	3,982	-18.3%	3,069	3,703	183	279	0	0	0	0
Montana	2,943	3,338	-11.9%	1,795	2,136	1,148	1,202	0	0	0	0
Nevada	925	835	10.8%	908	821	NM	NM	0	0	0	0
New Mexico	57	67	-16.0%	57	67	0	0	0	0	0	0
Utah	334	375	-10.8%	331	371	NM	NM	0	0	0	0
Wyoming	142	195	-26.9%	140	192	NM	NM	0	0	0	0
Pacific Contiguous	45,574	48,473	-6.0%	45,070	48,021	502	450	NM	NM	NM	NM
California	7,219	6,034	19.6%	6,885	5,765	333	267	NM	NM	0	0
Oregon	12,394	13,971	-11.3%	12,307	13,874	87	97	0	0	0	0
Washington	25,961	28,469	-8.8%	25,878	28,382	82	85	0	0	NM	NM
Pacific Noncontiguous	460	520	-11.5%	438	494	8	12	0	0	NM	NM
Alaska	432	488	-11.3%	432	488	0	0	0	0	0	0
Hawaii	NM	32	NM	NM	NM	8	12	0	0	NM	NM
U.S. Total	90,954	95,626	-4.9%	81,664	86,644	8,010	8,291	NM	NM	1,264	677

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change 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 Renewable Sources by State, by Sector, April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	656	642	2.2%	38	45	475	454	11	10	133	134
Connecticut	57	60	-5.9%	0	0	57	60	0	0	0	0
Maine	287	318	-9.8%	0	0	183	176	9	9	96	134
Massachusetts	163	110	47.8%	7	NM	116	102	NM	NM	38	0
New Hampshire	98	101	-3.2%	13	18	85	83	0	0	0	0
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	42	41	0.6%	18	19	23	22	NM	NM	0	0
Middle Atlantic	1,240	977	26.9%	NM	NM	1,144	869	47	44	44	59
New Jersey	117	107	9.9%	NM	NM	94	79	18	23	NM	NM
New York	572	457	25.3%	0	0	541	426	18	10	14	21
Pennsylvania	550	413	33.1%	0	0	508	364	11	11	30	38
East North Central	2,495	1,979	26.1%	268	161	2,076	1,663	20	20	131	136
Illinois	1,136	839	35.4%	NM	NM	1,135	838	0	0	0	0
Indiana	425	416	2.1%	24	26	397	386	NM	NM	NM	NM
Michigan	443	280	57.8%	100	27	280	185	17	17	46	52
Ohio	168	169	-0.1%	NM	NM	136	137	NM	0	29	30
Wisconsin	323	275	17.3%	139	105	128	117	NM	NM	55	52
West North Central	4,311	3,617	19.2%	1,341	1,133	2,944	2,447	7	7	19	30
Iowa	1,471	1,306	12.6%	793	662	675	640	NM	NM	0	1
Kansas	891	365	144.5%	91	77	801	287	0	0	0	0
Minnesota	877	877	0.0%	206	177	649	668	NM	NM	19	28
Missouri	116	116	-0.1%	NM	3	113	113	0	0	NM	NM
Nebraska	162	110	47.8%	23	19	138	90	NM	NM	0	0
North Dakota	522	558	-6.5%	162	131	360	426	0	0	NM	NM
South Dakota	272	286	-4.9%	63	64	209	222	0	0	0	0
South Atlantic	1,363	1,394	-2.2%	58	75	553	547	35	28	717	744
Delaware	NM	10	NM	NM	NM	NM	9	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	373	392	-4.9%	20	26	177	207	NM	NM	173	157
Georgia	273	270	1.2%	0	0	25	11	NM	NM	245	256
Maryland	76	73	3.4%	NM	NM	68	56	NM	5	3	12
North Carolina	201	190	6.2%	NM	0	90	82	NM	0	107	107
South Carolina	157	196	-20.1%	36	42	NM	2	0	0	120	152
Virginia	132	133	-0.7%	2	7	41	51	20	17	69	58
West Virginia	140	130	8.2%	0	0	140	130	0	0	0	0
East South Central	431	429	0.6%	NM	8	28	25	0	0	396	395
Alabama	231	244	-5.6%	NM	NM	19	19	0	0	212	226
Kentucky	27	9	204.9%	NM	8	0	0	0	0	19	NM
Mississippi	109	112	-2.4%	0	0	0	0	0	0	109	112
Tennessee	64	64	1.0%	0	0	9	6	0	0	55	57
West South Central	5,273	4,072	29.5%	181	154	4,690	3,516	NM	NM	399	399
Arkansas	133	141	-5.5%	0	0	NM	7	NM	NM	126	134
Louisiana	179	172	4.2%	0	0	NM	7	0	0	173	166
Oklahoma	1,061	658	61.4%	159	128	880	508	0	0	22	22
Texas	3,899	3,101	25.7%	23	26	3,797	2,995	NM	NM	77	77
Mountain	2,280	1,890	20.6%	246	196	1,992	1,652	7	7	34	36
Arizona	212	85	149.2%	20	15	191	69	NM	NM	0	0
Colorado	601	592	1.5%	6	6	592	584	NM	NM	NM	NM
Idaho	334	205	63.1%	13	0	287	169	0	0	34	35
Montana	80	96	-16.3%	8	9	73	87	0	0	0	0
Nevada	328	246	33.2%	0	0	324	242	3	NM	NM	NM
New Mexico	258	222	16.5%	NM	0	257	221	NM	NM	0	0
Utah	62	88	-29.7%	18	16	45	73	0	0	0	0
Wyoming	405	356	13.7%	180	150	225	206	0	0	0	0
Pacific Contiguous	5,401	3,751	44.0%	834	610	4,302	2,893	88	92	177	156
California	3,362	2,507	34.1%	198	167	3,024	2,197	86	90	54	53
Oregon	1,030	535	92.6%	184	115	810	395	NM	NM	34	22
Washington	1,009	709	42.2%	452	328	468	300	0	0	90	81
Pacific Noncontiguous	92	77	19.6%	4	NM	63	56	15	10	9	9
Alaska	10	NM	NM	NM	NM	7	0	0	0	NM	NM
Hawaii	81	75	8.5%	1	0	56	56	15	10	9	9
U.S. Total	23,542	18,828	25.0%	2,983	2,390	18,266	14,121	235	221	2,059	2,097

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Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.B. Net Generation from Other Renewable Sources
by State, by Sector, Year-to-Date through April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	3,102	2,866	8.2%	269	194	2,092	1,996	44	41	697	635
Connecticut	214	230	-7.0%	0	0	214	230	0	0	0	0
Maine	1,460	1,541	-5.2%	0	0	908	872	36	34	516	635
Massachusetts	647	433	49.6%	24	26	436	400	7	NM	181	0
New Hampshire	502	459	9.3%	112	102	391	358	0	0	NM	0
Rhode Island	40	43	-6.1%	0	0	40	43	0	0	0	0
Vermont	238	160	48.7%	133	66	104	94	NM	NM	0	0
Middle Atlantic	4,704	4,087	15.1%	14	NM	4,276	3,657	184	172	230	246
New Jersey	408	382	6.7%	14	NM	323	279	69	91	NM	NM
New York	2,076	2,011	3.3%	0	0	1,922	1,882	74	39	80	90
Pennsylvania	2,220	1,694	31.0%	0	0	2,030	1,497	41	43	149	155
East North Central	9,451	8,002	18.1%	954	696	7,887	6,667	60	67	550	571
Illinois	4,290	3,370	27.3%	6	6	4,284	3,364	0	NM	0	0
Indiana	1,567	1,596	-1.8%	93	100	1,459	1,482	NM	7	NM	7
Michigan	1,681	1,186	41.7%	357	111	1,078	805	47	55	199	215
Ohio	695	670	3.8%	9	7	564	533	NM	0	121	130
Wisconsin	1,218	1,180	3.2%	489	472	502	484	NM	5	223	219
West North Central	16,554	14,434	14.7%	5,339	4,586	11,017	9,656	27	28	171	163
Iowa	5,939	5,333	11.4%	3,333	2,774	2,594	2,544	NM	11	1	4
Kansas	3,110	1,502	107.0%	271	329	2,839	1,173	0	0	0	0
Minnesota	3,450	3,419	0.9%	794	647	2,478	2,605	11	13	167	155
Missouri	489	513	-4.8%	11	11	477	501	0	0	NM	NM
Nebraska	630	476	32.3%	94	92	531	379	NM	5	0	0
North Dakota	1,956	2,102	-6.9%	615	488	1,339	1,610	0	0	NM	NM
South Dakota	980	1,089	-10.0%	221	244	759	845	0	0	0	0
South Atlantic	5,782	5,785	0.0%	334	344	2,311	2,275	127	108	3,009	3,057
Delaware	37	48	-22.5%	NM	NM	34	45	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,527	1,542	-1.0%	78	76	740	778	13	13	695	676
Georgia	1,061	1,072	-1.0%	0	0	67	52	NM	8	984	1,012
Maryland	330	302	9.2%	NM	NM	271	235	17	21	41	45
North Carolina	854	784	8.9%	NM	NM	382	350	11	0	460	434
South Carolina	636	766	-17.0%	149	171	NM	7	0	0	480	587
Virginia	695	658	5.7%	105	96	168	194	74	64	349	303
West Virginia	642	614	4.7%	0	0	642	614	0	0	0	0
East South Central	1,887	1,967	-4.0%	31	32	91	91	0	0	1,766	1,843
Alabama	1,008	1,053	-4.3%	NM	NM	63	61	0	0	944	992
Kentucky	110	94	16.7%	30	32	0	0	0	0	80	62
Mississippi	453	489	-7.3%	0	0	0	0	0	0	453	489
Tennessee	316	330	-4.3%	0	0	27	30	0	0	289	301
West South Central	18,705	16,364	14.3%	643	646	16,315	14,034	14	14	1,732	1,670
Arkansas	550	563	-2.2%	0	0	25	29	NM	NM	523	532
Louisiana	812	744	9.2%	0	0	23	25	0	0	789	719
Oklahoma	3,658	2,749	33.1%	541	540	3,022	2,113	0	0	95	96
Texas	13,684	12,309	11.2%	102	105	13,244	11,868	NM	12	326	323
Mountain	9,424	8,125	16.0%	1,084	1,008	8,190	6,969	19	18	131	130
Arizona	706	281	151.1%	60	41	643	238	NM	NM	0	0
Colorado	2,688	2,425	10.9%	31	28	2,650	2,390	6	NM	NM	NM
Idaho	1,144	864	32.4%	45	0	970	735	0	0	129	129
Montana	610	474	28.7%	36	38	575	436	0	0	0	0
Nevada	1,261	940	34.2%	0	0	1,252	931	9	9	NM	NM
New Mexico	967	934	3.5%	NM	0	965	933	NM	NM	0	0
Utah	257	366	-29.7%	85	89	173	277	0	0	0	0
Wyoming	1,790	1,840	-2.7%	826	812	963	1,028	0	0	0	0
Pacific Contiguous	17,329	14,663	18.2%	2,605	2,349	13,556	11,217	378	366	790	732
California	11,091	9,548	16.2%	641	584	9,847	8,376	370	357	233	230
Oregon	2,959	2,129	39.0%	489	430	2,306	1,582	NM	8	155	109
Washington	3,279	2,987	9.8%	1,475	1,335	1,403	1,259	0	0	402	393
Pacific Noncontiguous	370	300	23.3%	16	9	258	205	59	48	37	38
Alaska	35	7	406.1%	9	6	26	0	0	0	NM	NM
Hawaii	335	293	14.2%	8	3	232	205	59	48	36	37
U.S. Total	87,309	76,593	14.0%	11,290	9,875	65,993	56,769	914	863	9,112	9,086

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	-29	12	-341.1%	0	0	-29	12	0	0	0	0
Connecticut	-1	0	478.1%	0	0	-1	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-28	12	-325.1%	0	0	-28	12	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-46	-40	16.0%	-16	-13	-31	-27	0	0	0	0
New Jersey	-9	-4	125.2%	-9	-4	0	0	0	0	0	0
New York	-7	-9	-24.2%	-7	-9	0	0	0	0	0	0
Pennsylvania	-31	-27	12.6%	0	0	-31	-27	0	0	0	0
East North Central	-65	-43	51.1%	-65	-43	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-65	-43	51.1%	-65	-43	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	64	39	63.6%	64	39	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	64	39	63.6%	64	39	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-169	-229	-26.5%	-169	-229	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-45	-58	-23.6%	-45	-58	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	-47	-67	-30.7%	-47	-67	0	0	0	0	0	0
Virginia	-77	-104	-25.4%	-77	-104	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	-18	-100.0%	0	-18	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	-18	-100.0%	0	-18	0	0	0	0	0	0
West South Central	-1	-7	-81.0%	-1	-7	0	0	0	0	0	0
Arkansas	4	0	--	4	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-7	-24.2%	-6	-7	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-17	-18	-3.3%	-17	-18	0	0	0	0	0	0
Arizona	3	6	-51.3%	3	6	0	0	0	0	0	0
Colorado	-20	-24	-16.0%	-20	-24	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	-1	62	-101.1%	-1	62	0	0	0	0	0	0
California	0	58	-100.3%	0	58	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	4	-112.1%	0	4	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-264	-242	9.2%	-204	-227	-60	-15	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	-52	-45	15.7%	0	0	-52	-45	0	0	0	0
Connecticut	-7	-2	361.1%	0	0	-7	-2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-45	-43	3.7%	0	0	-45	-43	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-242	-177	36.3%	-109	-54	-132	-124	0	0	0	0
New Jersey	-52	-31	66.5%	-52	-31	0	0	0	0	0	0
New York	-57	-22	157.9%	-57	-22	0	0	0	0	0	0
Pennsylvania	-132	-124	6.9%	0	0	-132	-124	0	0	0	0
East North Central	-234	-173	34.9%	-234	-173	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-234	-173	34.9%	-234	-173	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	94	79	18.8%	94	79	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	94	79	18.8%	94	79	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-761	-797	-4.5%	-761	-797	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-197	-227	-13.2%	-197	-227	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	-180	-220	-18.6%	-180	-220	0	0	0	0	0	0
Virginia	-384	-349	10.0%	-384	-349	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-21	-117	-82.2%	-21	-117	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-21	-117	-82.2%	-21	-117	0	0	0	0	0	0
West South Central	-22	5	-512.4%	-22	5	0	0	0	0	0	0
Arkansas	7	30	-77.6%	7	30	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-29	-24	17.6%	-29	-24	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-50	-71	-29.6%	-50	-71	0	0	0	0	0	0
Arizona	2	5	-53.3%	2	5	0	0	0	0	0	0
Colorado	-52	-76	-31.2%	-52	-76	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	-51	230	-122.4%	-51	230	0	0	0	0	0	0
California	-58	210	-127.5%	-58	210	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6	20	-68.5%	6	20	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-1,339	-1,067	25.5%	-1,155	-898	-184	-169	0	0	0	0

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Totals may not equal sum of components because of independent rounding. Percentage change 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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	169	181	-7.1%	0	0	160	172	NM	7	2	2
Connecticut	66	66	0.9%	0	0	66	65	0	0	NM	NM
Maine	18	33	-44.7%	0	0	12	24	NM	7	0	2
Massachusetts	79	77	2.5%	0	0	77	77	0	0	2	0
New Hampshire	6	6	-7.7%	0	0	6	6	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	189	196	-3.4%	0	0	155	166	34	30	0	0
New Jersey	44	42	4.6%	0	0	33	30	11	12	0	0
New York	74	77	-3.3%	0	0	60	68	14	8	0	0
Pennsylvania	71	77	-7.8%	0	0	62	68	9	9	0	0
East North Central	88	71	23.9%	4	3	12	12	16	17	56	40
Illinois	18	18	0.8%	0	0	0	0	0	0	18	18
Indiana	35	18	93.7%	1	0	0	0	NM	NM	33	17
Michigan	28	31	-8.8%	0	1	12	12	15	15	1	3
Ohio	1	0	190.7%	0	0	0	0	0	0	1	0
Wisconsin	6	4	57.9%	3	2	0	0	NM	NM	NM	NM
West North Central	38	34	12.1%	21	20	13	9	NM	NM	NM	3
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	33	29	13.1%	16	15	13	9	NM	NM	NM	3
Missouri	2	1	36.5%	2	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	4	NM	NM	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	298	326	-8.8%	0	0	160	184	17	15	121	127
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	221	248	-10.7%	0	0	110	130	0	0	111	118
Georgia	5	3	61.9%	0	0	0	0	0	0	5	3
Maryland	24	22	12.0%	0	0	24	22	NM	NM	0	0
North Carolina	NM	8	NM	0	0	NM	8	0	0	0	0
South Carolina	4	6	-20.2%	0	0	0	0	0	0	4	6
Virginia	34	40	-15.3%	0	0	16	24	17	15	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	1	NM	1	1	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1	1	37.2%	1	1	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	-60.3%	0	0	0	0	0	0	0	0
West South Central	66	57	16.7%	0	0	0	0	0	0	66	57
Arkansas	2	3	-20.3%	0	0	0	0	0	0	2	3
Louisiana	32	24	32.3%	0	0	0	0	0	0	32	24
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	31	29	6.6%	0	0	0	0	0	0	31	29
Mountain	46	45	2.7%	NM	3	29	30	0	0	13	11
Arizona	1	2	-77.5%	0	0	1	2	0	0	0	0
Colorado	NM	5	NM	0	0	NM	NM	0	0	NM	3
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	27	26	4.8%	0	0	27	26	0	0	0	0
Nevada	NM	3	NM	NM	3	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	10	8	28.8%	0	0	NM	NM	0	0	10	8
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	54	69	-21.6%	0	0	28	24	0	0	27	45
California	39	53	-24.9%	0	0	18	14	0	0	22	39
Oregon	NM	4	NM	0	0	NM	4	0	0	0	0
Washington	11	13	-12.6%	0	0	6	7	0	0	5	6
Pacific Noncontiguous	14	10	44.0%	0	0	0	0	14	10	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	14	10	44.0%	0	0	0	0	14	10	0	0
U.S. Total	964	991	-2.7%	29	27	556	598	91	81	288	285

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Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	630	713	-11.8%	0	0	593	673	29	30	7	11
Connecticut	239	262	-8.7%	0	0	239	262	0	0	NM	NM
Maine	83	133	-37.9%	0	0	54	94	29	30	0	10
Massachusetts	286	295	-3.1%	0	0	279	295	0	0	7	0
New Hampshire	21	23	-6.0%	0	0	21	23	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	724	767	-5.6%	0	0	580	647	144	120	0	0
New Jersey	167	175	-4.6%	0	0	118	125	49	50	0	0
New York	269	289	-7.0%	0	0	207	255	61	34	0	0
Pennsylvania	289	303	-4.9%	0	0	255	267	34	36	0	0
East North Central	349	312	11.6%	44	42	50	52	46	55	208	163
Illinois	79	77	2.6%	0	0	0	0	0	0	79	77
Indiana	145	94	53.2%	30	25	0	0	6	6	109	63
Michigan	100	118	-15.4%	3	5	50	52	40	49	6	11
Ohio	4	4	3.1%	0	0	0	0	0	0	4	4
Wisconsin	21	19	9.4%	11	12	0	0	NM	NM	10	7
West North Central	142	128	11.5%	72	71	50	37	8	8	12	12
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	122	108	13.3%	52	51	50	37	8	8	12	12
Missouri	7	6	16.4%	7	6	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	13	14	-4.5%	13	14	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,277	1,292	-1.2%	0	0	683	715	63	59	531	517
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	965	993	-2.9%	0	0	480	508	0	0	485	485
Georgia	14	14	5.0%	0	0	0	0	0	0	14	14
Maryland	95	81	17.0%	0	0	95	81	NM	NM	0	0
North Carolina	38	35	8.6%	0	0	38	35	0	0	0	0
South Carolina	32	18	76.3%	0	0	0	0	0	0	32	18
Virginia	133	151	-11.6%	0	0	71	92	63	59	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6	2	245.7%	5	1	0	0	0	0	NM	NM
Alabama	0	0	NM	0	0	0	0	0	0	0	0
Kentucky	5	1	544.9%	5	1	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	-33.7%	0	0	0	0	0	0	0	0
West South Central	267	228	16.8%	0	0	0	0	0	0	267	228
Arkansas	9	12	-19.5%	0	0	0	0	0	0	9	12
Louisiana	124	93	33.9%	0	0	0	0	0	0	124	93
Oklahoma	NM	2	NM	0	0	0	0	0	0	NM	2
Texas	129	121	6.6%	0	0	0	0	0	0	129	121
Mountain	201	200	0.5%	13	14	125	129	0	0	63	57
Arizona	3	9	-60.6%	0	0	3	9	0	0	0	0
Colorado	20	20	-4.3%	0	0	6	6	0	0	14	14
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	114	113	1.1%	0	0	114	113	0	0	0	0
Nevada	13	14	-6.5%	13	14	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	51	44	15.4%	0	0	NM	NM	0	0	49	42
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	262	298	-12.0%	0	0	111	109	0	0	151	188
California	203	226	-10.2%	0	0	72	68	0	0	130	158
Oregon	14	15	-6.1%	0	0	14	15	0	0	0	0
Washington	45	57	-20.8%	0	0	25	26	0	0	21	31
Pacific Noncontiguous	57	46	24.0%	0	0	0	0	57	46	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	57	46	24.0%	0	0	0	0	57	46	0	0
U.S. Total	3,914	3,986	-1.8%	134	127	2,192	2,364	347	318	1,241	1,177

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	178	134	33.4%	14	7	162	125	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	98	82	19.2%	0	0	98	82	0	0	0	0
Massachusetts	19	8	138.0%	6	NM	11	NM	NM	NM	0	0
New Hampshire	40	32	26.2%	0	0	40	32	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	20	11	87.0%	8	1	12	10	0	0	0	0
Middle Atlantic	775	496	56.1%	0	0	774	495	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	408	278	46.5%	0	0	407	278	0	0	NM	NM
Pennsylvania	365	216	68.6%	0	0	365	216	0	0	0	0
East North Central	2,034	1,518	34.0%	217	115	1,815	1,401	NM	NM	NM	NM
Illinois	1,079	781	38.2%	NM	NM	1,077	779	0	0	0	0
Indiana	397	386	2.7%	0	0	396	386	NM	NM	0	0
Michigan	262	95	174.2%	100	27	162	69	0	0	0	0
Ohio	111	111	0.4%	NM	NM	108	108	0	0	NM	NM
Wisconsin	186	145	28.6%	113	86	73	59	0	0	0	0
West North Central	4,167	3,460	20.4%	1,302	1,096	2,862	2,361	NM	NM	0	0
Iowa	1,459	1,292	12.9%	791	659	668	633	NM	NM	0	0
Kansas	887	359	146.7%	91	77	796	282	0	0	0	0
Minnesota	760	750	1.4%	176	150	581	597	NM	NM	0	0
Missouri	111	111	0.1%	0	0	111	111	0	0	0	0
Nebraska	157	104	50.7%	19	14	138	90	0	0	0	0
North Dakota	521	557	-6.5%	162	131	360	426	0	0	0	0
South Dakota	272	286	-4.9%	63	64	209	222	0	0	0	0
South Atlantic	175	160	9.5%	0	0	175	159	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	34	30	15.1%	0	0	34	30	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	140	130	8.2%	0	0	140	130	0	0	0	0
East South Central	5	5	16.7%	0	0	5	5	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5	5	16.7%	0	0	5	5	0	0	0	0
West South Central	4,799	3,603	33.2%	181	154	4,618	3,449	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,039	635	63.5%	159	128	880	508	0	0	0	0
Texas	3,760	2,968	26.7%	23	26	3,738	2,941	0	0	0	0
Mountain	1,689	1,459	15.8%	208	165	1,479	1,291	NM	NM	NM	NM
Arizona	55	26	111.6%	0	0	55	26	0	0	0	0
Colorado	579	570	1.7%	6	6	571	562	NM	NM	NM	NM
Idaho	286	155	84.2%	13	0	273	155	0	0	0	0
Montana	80	96	-16.3%	8	9	73	87	0	0	0	0
Nevada	25	0	--	0	0	25	0	0	0	0	0
New Mexico	225	193	16.2%	0	0	224	193	NM	NM	0	0
Utah	34	62	-44.7%	0	0	34	62	0	0	0	0
Wyoming	405	356	13.7%	180	150	225	206	0	0	0	0
Pacific Contiguous	3,436	1,945	76.7%	703	491	2,733	1,454	NM	0	NM	0
California	1,594	845	88.6%	97	60	1,496	785	NM	0	NM	0
Oregon	954	484	97.0%	178	108	776	376	0	0	0	0
Washington	888	615	44.4%	428	323	460	293	0	0	0	0
Pacific Noncontiguous	40	35	16.0%	NM	NM	37	33	0	0	0	0
Alaska	10	NM	NM	NM	NM	7	0	0	0	0	0
Hawaii	30	33	-9.5%	0	0	30	33	0	0	0	0
U.S. Total	17,299	12,812	35.0%	2,628	2,031	14,660	10,773	8	6	NM	NM

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	699	544	28.4%	60	29	632	511	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	392	368	6.7%	0	0	392	368	0	0	0	0
Massachusetts	72	33	121.5%	21	24	44	NM	NM	NM	0	0
New Hampshire	149	103	44.1%	0	0	149	103	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	85	40	112.7%	39	5	46	34	0	0	0	0
Middle Atlantic	2,885	2,214	30.3%	0	0	2,882	2,211	0	0	NM	NM
New Jersey	6	5	3.7%	0	0	6	5	0	0	0	0
New York	1,437	1,313	9.5%	0	0	1,434	1,310	0	0	NM	NM
Pennsylvania	1,442	896	61.0%	0	0	1,442	896	0	0	0	0
East North Central	7,605	6,103	24.6%	771	514	6,828	5,584	NM	NM	NM	NM
Illinois	4,073	3,147	29.4%	6	6	4,067	3,141	0	0	0	0
Indiana	1,458	1,482	-1.6%	0	0	1,457	1,482	NM	NM	0	0
Michigan	943	408	131.0%	357	110	586	298	0	0	0	0
Ohio	470	433	8.5%	6	6	458	422	0	0	NM	NM
Wisconsin	660	633	4.4%	402	392	259	241	0	0	0	0
West North Central	15,892	13,772	15.4%	5,183	4,438	10,699	9,323	11	11	0	0
Iowa	5,891	5,280	11.6%	3,324	2,765	2,566	2,514	NM	NM	0	0
Kansas	3,091	1,482	108.5%	271	329	2,821	1,153	0	0	0	0
Minnesota	2,896	2,875	0.7%	675	536	2,213	2,329	9	10	0	0
Missouri	470	493	-4.8%	0	0	470	493	0	0	0	0
Nebraska	609	454	34.1%	78	75	531	379	0	0	0	0
North Dakota	1,954	2,098	-6.9%	615	488	1,339	1,610	0	0	0	0
South Dakota	980	1,089	-10.0%	221	244	759	845	0	0	0	0
South Atlantic	788	755	4.4%	0	0	786	753	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	143	139	3.1%	0	0	143	139	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	642	614	4.7%	0	0	642	614	0	0	0	0
East South Central	19	23	-18.7%	0	0	19	23	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	19	23	-18.7%	0	0	19	23	0	0	0	0
West South Central	16,703	14,423	15.8%	643	646	16,060	13,778	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	3,564	2,653	34.3%	541	540	3,022	2,113	0	0	0	0
Texas	13,140	11,770	11.6%	102	105	13,038	11,665	0	0	0	0
Mountain	7,221	6,552	10.2%	938	878	6,277	5,669	NM	NM	NM	NM
Arizona	177	104	71.3%	0	0	177	104	0	0	0	0
Colorado	2,616	2,370	10.4%	30	28	2,582	2,338	NM	NM	NM	NM
Idaho	957	674	41.9%	45	0	912	674	0	0	0	0
Montana	610	474	28.7%	36	38	575	436	0	0	0	0
Nevada	79	0	--	0	0	79	0	0	0	0	0
New Mexico	860	856	0.5%	0	0	859	855	NM	NM	0	0
Utah	131	234	-44.2%	0	0	131	234	0	0	0	0
Wyoming	1,790	1,840	-2.7%	826	812	963	1,028	0	0	0	0
Pacific Contiguous	9,363	7,166	30.7%	2,041	1,828	7,320	5,337	NM	0	NM	0
California	4,024	2,793	44.1%	222	184	3,800	2,609	NM	0	NM	0
Oregon	2,611	1,905	37.0%	465	406	2,146	1,499	0	0	0	0
Washington	2,728	2,468	10.5%	1,354	1,239	1,374	1,229	0	0	0	0
Pacific Noncontiguous	180	126	43.2%	9	6	171	120	0	0	0	0
Alaska	34	6	483.0%	9	6	26	0	0	0	0	0
Hawaii	146	120	21.6%	0	0	146	120	0	0	0	0
U.S. Total	61,355	51,678	18.7%	9,644	8,340	51,674	43,307	25	22	12	9

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	469	506	-7.3%	22	37	305	327	NM	NM	133	134
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	189	236	-19.9%	0	0	NM	93	NM	NM	96	134
Massachusetts	136	NM	NM	0	0	NM	NM	0	0	38	0
New Hampshire	NM	69	NM	13	18	NM	51	0	0	0	0
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	NM	30	NM	10	18	NM	NM	NM	NM	0	0
Middle Atlantic	411	440	-6.6%	0	0	329	341	40	42	42	57
New Jersey	74	74	0.8%	0	0	63	53	11	21	0	0
New York	158	172	-8.1%	0	0	128	143	18	10	13	20
Pennsylvania	178	194	-8.0%	0	0	NM	NM	11	11	30	37
East North Central	450	457	-1.6%	50	46	251	258	NM	NM	NM	134
Illinois	52	57	-8.8%	0	0	52	57	0	0	0	0
Indiana	28	30	-6.8%	24	26	0	0	NM	NM	NM	NM
Michigan	181	185	-2.2%	NM	NM	118	116	NM	NM	NM	52
Ohio	52	55	-4.4%	0	0	NM	NM	0	0	NM	NM
Wisconsin	137	131	4.7%	NM	19	NM	NM	NM	NM	NM	NM
West North Central	144	157	-8.3%	39	NM	81	NM	NM	4	NM	30
Iowa	NM	13	NM	NM	2	NM	8	NM	NM	0	1
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	117	127	-8.4%	30	NM	67	NM	NM	NM	NM	NM
Missouri	NM	NM	NM	NM	3	NM	2	0	0	NM	NM
Nebraska	NM	6	NM	NM	5	0	0	NM	NM	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,134	1,202	-5.7%	44	56	344	376	NM	NM	717	744
Delaware	NM	7	NM	0	0	NM	7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	354	368	-3.8%	6	7	171	201	NM	NM	173	157
Georgia	273	270	1.1%	0	0	NM	NM	NM	NM	245	256
Maryland	36	42	-15.3%	NM	0	29	25	NM	NM	3	12
North Carolina	178	186	-4.6%	0	0	70	79	0	0	107	107
South Carolina	NM	196	NM	NM	42	NM	2	0	0	120	152
Virginia	132	133	-0.7%	2	7	41	51	20	17	69	58
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	424	NM	NM	8	NM	20	0	0	NM	395
Alabama	NM	NM	NM	NM	NM	19	19	0	0	NM	NM
Kentucky	NM	NM	NM	NM	8	0	0	0	0	19	NM
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	NM	59	NM	0	0	NM	2	0	0	55	57
West South Central	459	460	-0.1%	0	0	57	58	NM	NM	399	399
Arkansas	NM	141	NM	0	0	NM	7	NM	NM	126	134
Louisiana	NM	172	NM	0	0	NM	7	0	0	173	166
Oklahoma	NM	22	NM	0	0	0	0	0	0	NM	22
Texas	125	124	0.4%	0	0	45	44	NM	NM	77	77
Mountain	60	69	-13.4%	NM	2	24	32	NM	NM	NM	NM
Arizona	NM	16	NM	NM	2	NM	13	NM	NM	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	NM	43	NM	0	0	NM	8	0	0	NM	NM
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	NM	5	NM	0	0	NM	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	612	599	2.1%	47	33	309	322	80	89	176	156
California	430	456	-5.6%	17	21	281	295	78	86	53	53
Oregon	62	49	24.6%	NM	6	NM	NM	NM	NM	34	22
Washington	NM	94	NM	NM	6	NM	8	0	0	90	81
Pacific Noncontiguous	25	20	28.7%	1	0	0	0	15	10	9	9
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	25	19	29.1%	1	0	0	0	15	10	9	9
U.S. Total	4,188	4,334	-3.4%	214	218	1,719	1,819	NM	NM	2,054	2,093

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	2,376	2,315	2.6%	206	162	1,437	1,482	NM	NM	697	635
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	1,068	1,173	-9.0%	0	0	516	504	NM	NM	516	635
Massachusetts	553	395	39.8%	0	0	372	394	0	NM	181	0
New Hampshire	354	356	-0.7%	112	102	242	254	0	0	NM	0
Rhode Island	39	41	-6.3%	0	0	39	41	0	0	0	0
Vermont	NM	119	NM	95	60	NM	58	NM	NM	0	0
Middle Atlantic	1,665	1,769	-5.9%	0	0	1,274	1,362	168	167	223	240
New Jersey	285	298	-4.5%	0	0	232	212	53	86	0	0
New York	622	679	-8.4%	0	0	472	554	74	39	77	86
Pennsylvania	758	791	-4.3%	0	0	571	596	41	43	147	153
East North Central	1,816	1,888	-3.8%	181	181	1,033	1,073	NM	NM	544	567
Illinois	201	220	-8.5%	0	0	201	220	0	NM	0	0
Indiana	107	114	-5.8%	93	100	0	0	NM	7	NM	7
Michigan	738	778	-5.1%	NM	NM	492	507	NM	NM	NM	215
Ohio	212	229	-7.2%	0	0	97	103	0	0	NM	126
Wisconsin	558	547	1.9%	87	80	243	243	NM	NM	NM	219
West North Central	660	662	-0.3%	155	149	317	333	17	17	NM	163
Iowa	48	52	-8.0%	9	9	28	30	NM	10	1	4
Kansas	19	20	-7.1%	0	0	19	20	0	0	0	0
Minnesota	552	544	1.5%	119	111	264	276	NM	NM	NM	155
Missouri	NM	NM	NM	11	11	NM	8	0	0	NM	NM
Nebraska	21	22	-6.2%	16	17	0	0	NM	5	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	4,829	4,944	-2.3%	282	289	1,427	1,492	110	106	3,009	3,057
Delaware	20	39	-49.8%	0	0	20	39	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,460	1,474	-1.0%	28	22	724	764	NM	13	695	676
Georgia	1,060	1,071	-1.1%	0	0	67	52	NM	8	984	1,012
Maryland	171	161	6.1%	NM	NM	114	95	NM	21	41	45
North Carolina	788	776	1.6%	0	0	328	342	0	0	460	434
South Carolina	636	766	-17.0%	149	171	NM	7	0	0	480	587
Virginia	695	658	5.7%	105	96	168	194	74	64	349	303
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	1,867	1,944	-4.0%	31	32	NM	68	0	0	1,766	1,843
Alabama	NM	1,053	NM	NM	NM	63	61	0	0	NM	992
Kentucky	110	94	16.7%	30	32	0	0	0	0	80	62
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	296	308	-3.9%	0	0	NM	7	0	0	289	301
West South Central	1,955	1,918	2.0%	0	0	209	233	14	14	1,732	1,670
Arkansas	550	563	-2.2%	0	0	25	29	NM	NM	523	532
Louisiana	812	744	9.2%	0	0	23	25	0	0	789	NM
Oklahoma	95	96	-1.7%	0	0	0	0	0	0	95	96
Texas	498	515	-3.3%	0	0	161	179	NM	12	326	323
Mountain	257	276	-7.1%	NM	8	118	138	NM	NM	NM	129
Arizona	54	70	-23.5%	NM	8	NM	61	NM	NM	0	0
Colorado	22	21	1.8%	1	0	21	21	0	0	0	0
Idaho	160	163	-1.4%	0	0	31	34	0	0	NM	129
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	18	19	-5.8%	0	0	18	19	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,830	2,788	1.5%	208	199	1,478	1,500	356	357	788	732
California	2,000	2,049	-2.4%	66	80	1,356	1,390	348	349	231	230
Oregon	280	221	26.5%	22	23	94	81	NM	8	155	109
Washington	551	518	6.2%	121	96	28	30	0	0	402	393
Pacific Noncontiguous	104	89	16.5%	8	3	0	0	59	48	37	38
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	103	88	17.0%	8	3	0	0	59	48	36	37
U.S. Total	18,359	18,593	-1.3%	1,080	1,023	7,363	7,682	820	814	9,096	9,074

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.A. Net Generation from Geothermal by State, by Sector, April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	264	233	13.0%	18	16	246	218	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	6	7	-4.5%	0	0	6	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	235	205	14.2%	0	0	235	205	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	23	21	6.9%	18	16	5	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,083	1,079	0.3%	56	72	1,027	1,008	0	0	0	0
California	1,071	1,079	-0.8%	56	72	1,015	1,008	0	0	0	0
Oregon	12	0	--	0	0	12	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	22	12.6%	0	0	25	22	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	22	12.6%	0	0	25	22	0	0	0	0
U.S. Total	1,372	1,335	2.7%	74	87	1,298	1,248	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	1,104	988	11.8%	85	89	1,020	899	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	27	28	-1.7%	0	0	27	28	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	970	848	14.4%	0	0	970	848	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	107	112	-4.2%	85	89	23	23	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,376	4,430	-1.2%	271	285	4,105	4,145	0	0	0	0
California	4,315	4,430	-2.6%	271	285	4,044	4,145	0	0	0	0
Oregon	61	0	--	0	0	61	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	82	85	-2.8%	0	0	82	85	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	82	85	-2.8%	0	0	82	85	0	0	0	0
U.S. Total	5,563	5,502	1.1%	355	373	5,207	5,129	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.A. Net Generation from Solar by State, by Sector, April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	54	41	32.6%	NM	NM	41	33	NM	NM	NM	NM
New Jersey	41	32	29.5%	NM	NM	29	25	NM	NM	NM	NM
New York	6	6	-1.6%	0	0	6	6	0	NM	0	0
Pennsylvania	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
East North Central	11	NM	NM	NM	NM	10	NM	NM	0	0	0
Illinois	NM	NM	NM	0	0	NM	NM	0	0	0	0
Indiana	NM	0	--	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	0	--	0	0	NM	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	54	32	68.5%	14	20	35	NM	NM	NM	0	0
Delaware	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19	25	-21.7%	14	19	NM	NM	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
North Carolina	24	NM	NM	NM	0	19	NM	NM	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	0	--	0	0	NM	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	15	9	59.3%	0	0	14	9	NM	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	15	9	59.3%	0	0	14	9	NM	0	0	0
Mountain	267	129	106.7%	19	NM	243	111	5	NM	NM	NM
Arizona	149	43	243.6%	19	NM	130	30	NM	NM	0	0
Colorado	16	17	-6.7%	0	0	15	16	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	68	41	67.8%	0	0	65	37	3	NM	NM	NM
New Mexico	33	28	18.5%	NM	0	33	28	0	0	0	0
Utah	NM	0	--	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	270	128	110.6%	28	NM	233	109	NM	NM	NM	0
California	267	127	110.5%	28	NM	232	109	NM	NM	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	0.0%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	683	346	97.3%	68	54	588	280	26	11	NM	NM

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.B. Net Generation from Solar
by State, by Sector, Year-to-Date through April 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	26	NM	NM	NM	NM	23	NM	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	22	NM	NM	NM	NM	19	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	154	104	47.8%	14	NM	120	85	17	NM	NM	NM
New Jersey	118	79	49.8%	14	NM	86	61	16	NM	NM	NM
New York	17	18	-9.9%	0	0	16	18	NM	NM	0	0
Pennsylvania	20	NM	NM	0	0	17	NM	0	0	NM	NM
East North Central	30	NM	NM	NM	NM	26	NM	NM	0	0	0
Illinois	16	NM	NM	0	0	16	NM	0	0	0	0
Indiana	NM	0	--	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	13	NM	NM	NM	NM	NM	NM	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	0	--	0	0	NM	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	166	86	93.0%	52	55	99	30	15	NM	0	0
Delaware	15	NM	NM	NM	NM	15	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	67	68	-1.1%	51	54	16	14	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	16	NM	NM	NM	NM	14	NM	NM	NM	0	0
North Carolina	66	NM	NM	NM	NM	54	NM	11	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	0	--	0	0	NM	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	47	23	98.0%	0	0	46	23	NM	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	47	23	98.0%	0	0	46	23	NM	0	0	0
Mountain	842	308	173.0%	53	33	776	263	13	12	NM	NM
Arizona	475	108	341.3%	53	33	421	74	NM	NM	0	0
Colorado	50	34	48.5%	0	0	47	31	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	212	92	131.1%	0	0	203	83	9	9	NM	NM
New Mexico	104	75	37.8%	NM	0	103	75	0	0	0	0
Utah	NM	0	--	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	760	279	172.2%	85	36	652	234	21	NM	NM	0
California	753	277	172.2%	83	35	648	233	21	NM	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	10.0%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	2,032	819	148.1%	210	139	1,749	650	68	27	NM	NM

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	826,700	616,501	204,864	310	5,026
2011					
January	90,208	66,083	23,598	40	487
February	73,614	54,434	18,733	39	409
March	72,645	54,115	18,034	37	460
April	67,128	49,443	17,200	25	460
May	73,522	54,959	18,051	25	487
June	84,156	62,690	20,931	27	507
July	94,304	69,942	23,782	32	548
August	92,297	68,137	23,570	29	562
Sept	76,790	55,844	20,442	26	479
October	69,605	50,644	18,520	21	419
November	67,059	48,879	17,762	21	397
December	73,610	54,146	18,917	26	521
2012					
January	70,846	52,472	17,910	29	435
February	62,906	46,913	15,572	27	393
March	57,442	43,404	13,606	25	407
April	51,893	39,963	11,541	22	366
May	62,978	46,967	15,602	24	385
June	71,750	53,760	17,550	26	413
July	86,667	64,476	21,662	30	500
August	82,862	61,637	20,707	28	491
Sept	69,490	51,615	17,433	24	418
October	66,745	49,296	16,991	20	438
November	69,977	51,442	18,108	26	401
December	73,144	54,556	18,181	28	378
2013					
January	75,110	55,848	18,856	31	375
February	67,213	49,169	17,653	29	362
March	70,467	52,144	17,916	28	379
April	60,957	45,661	14,940	24	332
Year to Date					
2011	303,596	224,074	77,565	141	1,816
2012	243,087	182,752	58,630	104	1,602
2013	273,748	202,822	69,366	112	1,448
Rolling 12 Months Ending in April					
2012	874,430	647,993	220,605	310	5,521
2013	857,361	636,571	215,600	318	4,872

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	17,720	0	2,080	1,234	14,406
2004	24,275	0	3,809	1,540	18,926
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	20,323	0	3,393	1,239	15,691
2011					
January	2,084	0	340	149	1,595
February	1,833	0	307	135	1,391
March	1,869	0	310	127	1,431
April	1,713	0	287	98	1,327
May	1,776	0	328	99	1,349
June	1,726	0	287	103	1,336
July	1,824	0	313	113	1,397
August	1,807	0	305	101	1,400
Sept	1,689	0	283	96	1,309
October	1,712	0	294	89	1,329
November	1,689	0	277	96	1,315
December	1,812	0	296	113	1,403
2012					
January	1,948	0	338	133	1,477
February	1,699	0	269	114	1,315
March	1,699	0	290	109	1,299
April	1,514	0	247	92	1,175
May	1,701	0	299	97	1,304
June	1,594	0	286	88	1,221
July	1,652	0	291	89	1,272
August	1,734	0	299	98	1,337
Sept	1,560	0	273	92	1,195
October	1,731	0	278	95	1,358
November	1,683	0	248	109	1,327
December	1,807	0	274	123	1,410
2013					
January	1,771	0	264	123	1,385
February	1,643	0	264	115	1,264
March	1,724	0	295	113	1,316
April	1,524	0	257	90	1,177
Year to Date					
2011	7,498	0	1,244	509	5,745
2012	6,860	0	1,145	449	5,267
2013	6,662	0	1,080	441	5,141
Rolling 12 Months Ending in April					
2012	20,894	0	3,528	1,260	16,106
2013	20,124	0	3,328	1,230	15,566

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	847,023	616,501	208,257	1,549	20,717
2011					
January	92,292	66,083	23,939	189	2,082
February	75,447	54,434	19,040	173	1,800
March	74,514	54,115	18,343	164	1,891
April	68,841	49,443	17,487	124	1,787
May	75,298	54,959	18,379	124	1,836
June	85,881	62,690	21,218	130	1,843
July	96,128	69,942	24,095	145	1,946
August	94,103	68,137	23,875	129	1,962
Sept	78,479	55,844	20,724	122	1,788
October	71,317	50,644	18,814	110	1,748
November	68,748	48,879	18,039	117	1,712
December	75,422	54,146	19,213	139	1,923
2012					
January	72,795	52,472	18,249	162	1,913
February	64,604	46,913	15,842	141	1,708
March	59,142	43,404	13,897	135	1,707
April	53,407	39,963	11,787	115	1,542
May	64,678	46,967	15,902	121	1,689
June	73,344	53,760	17,835	114	1,634
July	88,319	64,476	21,953	118	1,773
August	84,597	61,637	21,006	126	1,827
Sept	71,050	51,615	17,706	116	1,613
October	68,476	49,296	17,269	115	1,796
November	71,660	51,442	18,356	134	1,728
December	74,951	54,556	18,455	151	1,789
2013					
January	76,882	55,848	19,120	153	1,760
February	68,856	49,169	17,917	144	1,626
March	72,191	52,144	18,211	141	1,694
April	62,481	45,661	15,198	114	1,509
Year to Date					
2011	311,094	224,074	78,809	650	7,560
2012	249,948	182,752	59,774	553	6,869
2013	280,410	202,822	70,445	553	6,590
Rolling 12 Months Ending in April					
2012	895,324	647,993	224,133	1,570	21,627
2013	877,485	636,571	218,928	1,549	20,438

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2003-April 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,523	17,759	4,010	129	625
2011					
January	3,325	2,207	1,005	26	87
February	2,077	1,590	400	16	72
March	2,160	1,737	351	10	63
April	2,450	2,091	296	5	57
May	2,291	1,886	347	5	52
June	2,355	1,745	553	5	53
July	2,926	1,906	958	14	49
August	2,290	1,749	480	12	49
Sept	1,834	1,427	342	13	52
October	1,835	1,481	280	10	64
November	1,832	1,488	278	10	55
December	1,952	1,539	343	8	62
2012					
January	1,888	1,485	332	8	62
February	1,567	1,263	238	6	60
March	1,602	1,330	216	NM	48
April	1,729	1,423	230	NM	66
May	1,912	1,468	384	NM	52
June	2,375	1,776	529	NM	54
July	2,677	2,042	571	17	47
August	2,020	1,602	359	15	43
Sept	1,629	1,306	264	11	48
October	1,860	1,490	297	12	61
November	1,636	1,264	324	10	38
December	1,629	1,310	266	8	44
2013					
January	2,820	1,766	968	NM	65
February	1,797	1,222	519	NM	45
March	1,588	1,294	241	7	46
April	1,617	1,294	264	9	49
Year to Date					
2011	10,012	7,624	2,052	56	279
2012	6,785	5,501	1,016	31	237
2013	7,822	5,576	1,991	50	205
Rolling 12 Months Ending in April					
2012	24,100	18,721	4,597	NM	674
2013	23,560	17,835	4,985	NM	593

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	14,124	0	1,197	512	12,414
2004	20,654	0	1,501	1,203	17,951
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	2,710	0	950	110	1,651
2011					
January	538	0	94	69	375
February	370	0	72	26	272
March	333	0	75	9	249
April	287	0	83	3	201
May	287	0	82	7	198
June	286	0	82	4	200
July	272	0	87	8	176
August	284	0	92	8	184
Sept	280	0	89	11	180
October	311	0	87	5	219
November	293	0	83	14	195
December	286	0	76	3	207
2012					
January	278	0	95	11	172
February	203	0	64	7	132
March	216	0	53	NM	154
April	225	0	65	NM	154
May	223	0	85	NM	129
June	259	0	89	NM	157
July	232	0	81	15	137
August	217	0	82	9	126
Sept	195	0	79	7	109
October	245	0	87	8	149
November	208	0	84	8	115
December	210	0	86	7	117
2013					
January	261	0	56	NM	182
February	227	0	75	NM	138
March	213	0	85	7	121
April	228	0	86	7	135
Year to Date					
2011	1,527	0	324	108	1,096
2012	922	0	277	33	612
2013	929	0	302	51	576
Rolling 12 Months Ending in April					
2012	3,220	0	957	NM	2,170
2013	2,718	0	975	NM	1,615

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,233	17,759	4,960	238	2,275
2011					
January	3,863	2,207	1,099	95	462
February	2,447	1,590	472	42	343
March	2,493	1,737	425	19	312
April	2,736	2,091	380	8	258
May	2,578	1,886	430	12	250
June	2,642	1,745	636	9	253
July	3,198	1,906	1,045	23	225
August	2,573	1,749	572	20	233
Sept	2,114	1,427	431	23	232
October	2,145	1,481	367	14	283
November	2,124	1,488	361	24	251
December	2,238	1,539	419	11	269
2012					
January	2,165	1,485	427	19	234
February	1,770	1,263	302	13	192
March	1,818	1,330	269	NM	202
April	1,954	1,423	295	NM	220
May	2,135	1,468	468	NM	181
June	2,634	1,776	618	NM	211
July	2,909	2,042	651	32	184
August	2,237	1,602	442	25	169
Sept	1,824	1,306	343	18	158
October	2,105	1,490	384	21	210
November	1,844	1,264	409	18	154
December	1,838	1,310	351	16	161
2013					
January	3,080	1,766	1,024	NM	246
February	2,024	1,222	593	NM	183
March	1,802	1,294	326	14	168
April	1,845	1,294	350	17	184
Year to Date					
2011	11,539	7,624	2,376	164	1,375
2012	7,707	5,501	1,293	64	849
2013	8,752	5,576	2,293	101	781
Rolling 12 Months Ending in April					
2012	27,319	18,721	5,554	NM	2,843
2013	26,278	17,835	5,960	NM	2,208

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.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,552	2,112	715	1	724
2011					
January	552	400	124	0	28
February	431	295	114	0	22
March	517	344	151	0	22
April	336	218	94	0	24
May	357	232	101	0	24
June	432	302	107	0	22
July	510	359	131	0	19
August	464	330	110	0	24
Sept	454	333	95	0	26
October	338	229	83	0	25
November	257	155	77	0	25
December	365	252	88	0	25
2012					
January	465	297	85	0	83
February	354	230	76	0	48
March	234	107	77	0	50
April	202	120	33	0	50
May	245	150	46	0	49
June	265	169	46	0	50
July	291	182	55	0	54
August	319	170	77	0	73
Sept	313	188	60	0	66
October	266	156	57	0	53
November	298	175	48	0	75
December	300	170	56	0	74
2013					
January	375	253	69	0	53
February	308	220	63	0	25
March	359	236	68	0	54
April	335	217	63	0	54
Year to Date					
2011	1,836	1,257	483	1	95
2012	1,256	754	270	0	231
2013	1,376	927	263	1	186
Rolling 12 Months Ending in April					
2012	4,432	2,945	1,064	1	422
2013	3,673	2,285	707	1	679

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.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	763	0	80	9	675
2004	1,043	0	237	8	798
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,258	0	113	11	1,134
2011					
January	93	0	5	1	86
February	90	0	9	1	81
March	85	0	11	1	73
April	92	0	9	0	83
May	95	0	11	0	84
June	89	0	9	0	80
July	89	0	11	0	79
August	81	0	11	0	70
Sept	90	0	10	0	80
October	91	0	7	0	84
November	88	0	9	1	79
December	95	0	10	1	84
2012					
January	96	0	11	1	83
February	95	0	11	1	83
March	126	0	10	1	114
April	114	0	9	0	105
May	110	0	11	0	99
June	100	0	6	0	94
July	94	0	9	1	84
August	93	0	9	1	82
Sept	93	0	9	1	82
October	113	0	9	1	103
November	107	0	9	1	97
December	118	0	10	1	107
2013					
January	129	0	10	2	118
February	114	0	8	1	104
March	105	0	10	1	93
April	98	0	10	0	88
Year to Date					
2011	360	0	34	4	323
2012	431	0	41	4	386
2013	446	0	38	5	403
Rolling 12 Months Ending in April					
2012	1,150	0	119	6	1,025
2013	1,273	0	110	12	1,151

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.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-April 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	4,811	2,112	828	13	1,858
2011					
January	645	400	129	1	114
February	521	295	122	1	102
March	603	344	162	1	95
April	428	218	103	0	107
May	452	232	112	0	108
June	521	302	117	0	102
July	599	359	142	0	98
August	545	330	121	0	94
Sept	545	333	105	0	106
October	429	229	90	0	109
November	345	155	86	1	103
December	460	252	98	2	109
2012					
January	561	297	96	2	166
February	449	230	87	1	131
March	360	107	87	1	165
April	317	120	42	0	155
May	355	150	57	0	148
June	365	169	51	0	144
July	385	182	64	1	138
August	412	170	86	1	155
Sept	406	188	69	1	148
October	379	156	66	1	156
November	405	175	57	1	171
December	418	170	66	1	180
2013					
January	505	253	79	2	171
February	422	220	71	2	129
March	463	236	78	2	147
April	432	217	73	0	142
Year to Date					
2011	2,196	1,257	517	4	418
2012	1,687	754	311	4	617
2013	1,822	927	301	5	589
Rolling 12 Months Ending in April					
2012	5,582	2,945	1,183	7	1,447
2013	4,946	2,285	817	13	1,830

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.
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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
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.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2003-April 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,465,207	4,115,509	4,694,256	49,019	606,423
2011					
January	563,712	238,731	273,552	3,518	47,910
February	505,126	208,813	250,551	3,069	42,692
March	503,090	217,538	239,429	3,169	42,953
April	545,924	243,866	253,900	3,062	45,096
May	598,689	268,818	279,002	4,043	46,826
June	727,189	330,305	344,944	3,957	47,982
July	967,125	430,187	478,936	5,316	52,686
August	951,425	421,042	471,544	5,001	53,838
Sept	711,980	306,699	352,213	4,290	48,779
October	599,544	266,740	284,312	3,727	44,764
November	568,007	242,306	275,414	3,709	46,579
December	642,055	271,041	315,311	4,309	51,394
2012					
January	674,887	283,222	336,978	4,466	50,221
February	673,149	275,187	345,902	4,192	47,869
March	702,346	296,294	356,195	3,952	45,904
April	742,266	323,441	369,861	3,883	45,082
May	843,724	379,144	409,826	3,992	50,761
June	911,369	407,145	448,758	4,118	51,347
July	1,123,145	501,548	561,605	4,562	55,429
August	1,034,276	449,778	527,204	4,163	53,131
Sept	834,251	362,093	418,418	3,971	49,768
October	699,343	306,157	339,034	3,931	50,220
November	608,543	262,336	291,010	3,766	51,430
December	617,909	269,163	289,464	4,022	55,260
2013					
January	660,231	285,207	316,314	4,439	54,271
February	593,820	258,757	282,029	3,836	49,198
March	632,116	278,386	297,457	4,037	52,236
April	588,124	255,482	282,176	3,574	46,893
Year to Date					
2011	2,117,852	908,948	1,017,433	12,818	178,652
2012	2,792,649	1,178,144	1,408,936	16,493	189,076
2013	2,474,290	1,077,832	1,177,975	15,886	202,597
Rolling 12 Months Ending in April					
2012	8,558,662	3,715,283	4,210,610	50,845	581,925
2013	9,146,849	4,015,197	4,463,296	48,412	619,945

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.
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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.

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2003-April 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	721,267	0	225,967	19,973	475,327
2004	1,052,100	0	388,424	39,233	624,443
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	904,930	0	326,981	44,897	533,052
2011					
January	72,765	0	27,509	3,590	41,667
February	65,092	0	24,322	2,962	37,808
March	66,500	0	24,958	2,875	38,666
April	64,265	0	23,687	2,685	37,894
May	67,344	0	24,178	3,047	40,119
June	66,791	0	24,165	2,912	39,714
July	77,883	0	29,452	3,910	44,520
August	78,356	0	28,864	3,877	45,616
Sept	70,438	0	25,286	3,339	41,812
October	66,780	0	23,880	3,155	39,744
November	67,698	0	24,826	3,422	39,450
December	75,769	0	27,542	4,083	44,145
2012					
January	80,268	0	28,153	4,230	47,885
February	72,826	0	26,538	3,988	42,301
March	72,726	0	24,617	3,881	44,228
April	72,067	0	26,221	3,546	42,301
May	73,640	0	28,295	3,338	42,007
June	75,498	0	28,908	3,551	43,039
July	79,508	0	30,195	3,876	45,437
August	78,480	0	30,248	3,602	44,630
Sept	73,579	0	26,325	3,842	43,412
October	74,631	0	26,206	3,881	44,544
November	73,627	0	24,443	3,543	45,641
December	78,080	0	26,832	3,621	47,627
2013					
January	78,921	0	27,874	3,779	47,268
February	70,788	0	25,379	3,372	42,037
March	76,268	0	26,500	3,772	45,996
April	72,001	0	25,648	3,251	43,101
Year to Date					
2011	268,622	0	100,475	12,112	156,034
2012	297,888	0	105,528	15,645	176,714
2013	297,978	0	105,402	14,174	178,402
Rolling 12 Months Ending in April					
2012	868,946	0	313,722	43,388	511,836
2013	905,020	0	326,854	43,426	534,739

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.
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Values for 2011 and prior years are final. Values for 2012 and 2013 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.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-April 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,137	4,115,509	5,021,237	93,916	1,139,475
2011					
January	636,477	238,731	301,061	7,108	89,577
February	570,218	208,813	274,873	6,032	80,500
March	569,590	217,538	264,388	6,044	81,620
April	610,190	243,866	277,587	5,747	82,990
May	666,033	268,818	303,180	7,090	86,945
June	793,979	330,305	369,109	6,869	87,696
July	1,045,008	430,187	508,388	9,226	97,207
August	1,029,781	421,042	500,407	8,878	99,454
Sept	782,418	306,699	377,499	7,629	90,591
October	666,323	266,740	308,192	6,882	84,509
November	635,705	242,306	300,240	7,130	86,029
December	717,824	271,041	342,852	8,392	95,539
2012					
January	755,155	283,222	365,131	8,696	98,106
February	745,976	275,187	372,439	8,179	90,170
March	775,071	296,294	380,812	7,833	90,132
April	814,334	323,441	396,082	7,429	87,382
May	917,363	379,144	438,121	7,330	92,768
June	986,867	407,145	477,667	7,668	94,386
July	1,202,652	501,548	591,800	8,438	100,866
August	1,112,757	449,778	557,452	7,765	97,762
Sept	907,829	362,093	444,744	7,813	93,180
October	773,974	306,157	365,240	7,812	94,764
November	682,170	262,336	315,453	7,309	97,071
December	695,989	269,163	316,296	7,643	102,887
2013					
January	739,152	285,207	344,188	8,218	101,539
February	664,607	258,757	307,408	7,208	91,235
March	708,384	278,386	323,957	7,809	98,232
April	660,124	255,482	307,824	6,825	89,993
Year to Date					
2011	2,386,474	908,948	1,117,909	24,931	334,687
2012	3,090,536	1,178,144	1,514,464	32,137	365,790
2013	2,772,268	1,077,832	1,283,377	30,059	380,999
Rolling 12 Months Ending in April					
2012	9,427,609	3,715,283	4,524,332	94,233	1,093,761
2013	10,051,869	4,015,197	4,790,150	91,838	1,154,684

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 2011 and prior years are final. Values for 2012 and 2013 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.

Table 2.5.A. Consumption of Coal for Electricity Generation by State, by Sector, April 2013 and April 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	118	28	318.0%	6	4	111	23	0	0	NM	1
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	1	80.0%	0	0	1	0	0	0	0	0
Massachusetts	111	23	372.0%	0	0	110	23	0	0	NM	NM
New Hampshire	6	4	43.0%	6	4	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,319	2,450	35.0%	NM	0	3,298	2,411	NM	NM	19	39
New Jersey	40	34	16.0%	0	0	40	34	0	0	0	0
New York	129	19	564.0%	NM	0	122	14	0	0	6	6
Pennsylvania	3,150	2,396	31.0%	0	0	3,137	2,363	NM	NM	13	33
East North Central	14,452	12,417	16.0%	10,164	8,704	4,205	3,634	7	8	76	71
Illinois	3,730	3,139	19.0%	342	452	3,339	2,640	2	1	47	47
Indiana	3,509	3,233	8.5%	3,290	3,026	217	204	1	1	NM	1
Michigan	2,178	1,985	9.7%	2,153	1,965	15	13	3	4	8	3
Ohio	3,217	2,870	12.0%	2,578	2,086	634	777	NM	NM	5	6
Wisconsin	1,818	1,190	53.0%	1,802	1,174	0	0	NM	0	16	16
West North Central	9,979	8,593	16.0%	9,864	8,477	0	0	7	5	108	111
Iowa	1,434	1,270	13.0%	1,373	1,207	0	0	4	3	58	60
Kansas	1,373	1,000	37.0%	1,373	1,000	0	0	0	0	0	0
Minnesota	937	882	6.2%	908	851	0	0	NM	NM	28	30
Missouri	3,469	2,707	28.0%	3,465	2,705	0	0	2	1	NM	1
Nebraska	1,005	991	1.4%	990	978	0	0	0	0	15	13
North Dakota	1,613	1,616	-0.1%	1,607	1,610	0	0	0	0	6	6
South Dakota	148	127	17.0%	148	127	0	0	0	0	0	0
South Atlantic	7,298	7,838	-6.9%	6,142	6,723	1,112	1,071	NM	NM	43	44
Delaware	51	36	44.0%	0	0	51	36	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,622	1,406	15.0%	1,573	1,367	46	36	0	0	NM	NM
Georgia	1,215	1,556	-22.0%	1,206	1,546	0	0	0	0	9	10
Maryland	288	354	-19.0%	0	0	283	351	0	0	4	3
North Carolina	1,131	1,368	-17.0%	1,081	1,320	46	44	0	0	3	3
South Carolina	666	959	-31.0%	662	947	0	NM	0	0	5	8
Virginia	475	227	109.0%	402	177	64	42	NM	NM	9	8
West Virginia	1,850	1,932	-4.2%	1,219	1,365	622	557	0	0	10	10
East South Central	7,002	5,746	22.0%	6,769	5,579	206	142	NM	NM	26	25
Alabama	1,984	1,544	28.0%	1,980	1,539	0	1	0	0	4	4
Kentucky	2,698	2,408	12.0%	2,698	2,408	0	0	0	0	0	0
Mississippi	500	374	34.0%	293	233	206	141	0	0	0	0
Tennessee	1,821	1,421	28.0%	1,798	1,399	0	0	NM	NM	22	22
West South Central	10,231	8,024	28.0%	5,349	4,384	4,869	3,611	0	0	14	28
Arkansas	1,347	950	42.0%	1,173	752	172	196	0	0	2	2
Louisiana	802	505	59.0%	328	300	473	205	0	0	NM	NM
Oklahoma	1,253	978	28.0%	1,181	914	61	53	0	0	11	10
Texas	6,830	5,591	22.0%	2,667	2,418	4,163	3,157	0	0	0	NM
Mountain	8,304	6,653	25.0%	7,248	6,074	1,018	536	0	0	37	43
Arizona	1,873	1,458	29.0%	1,873	1,453	0	0	0	0	0	NM
Colorado	1,470	1,341	9.6%	1,468	1,339	NM	NM	0	0	0	0
Idaho	NM	1	NM	0	0	0	0	0	0	NM	1
Montana	905	451	101.0%	NM	NM	884	432	0	0	NM	NM
Nevada	212	77	175.0%	138	33	74	45	0	0	0	0
New Mexico	941	758	24.0%	941	758	0	0	0	0	0	0
Utah	991	1,029	-3.7%	946	984	NM	NM	0	0	21	22
Wyoming	1,911	1,538	24.0%	1,863	1,489	NM	NM	0	0	15	15
Pacific Contiguous	162	43	281.0%	113	0	44	39	0	0	6	4
California	34	42	-18.0%	0	0	29	39	0	0	6	4
Oregon	113	0	--	113	0	0	0	0	0	0	0
Washington	15	1	NM	0	0	15	0	0	0	0	1
Pacific Noncontiguous	91	102	-11.0%	4	18	77	74	9	9	NM	NM
Alaska	28	43	-34.0%	4	18	15	16	9	9	0	0
Hawaii	63	59	6.3%	0	0	62	58	0	0	NM	NM
U.S. Total	60,957	51,893	17.0%	45,661	39,963	14,940	11,541	24	22	332	366

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and April 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	1,355	522	160.0%	368	224	982	295	0	0	6	4
Connecticut	192	17	NM	0	0	192	17	0	0	0	0
Maine	7	3	119.0%	0	0	4	2	0	0	4	2
Massachusetts	789	278	184.0%	0	0	787	276	0	0	2	2
New Hampshire	368	224	64.0%	368	224	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	15,573	12,980	20.0%	NM	0	15,429	12,801	0	0	140	179
New Jersey	318	175	81.0%	0	0	318	175	0	0	0	0
New York	1,042	536	95.0%	NM	0	1,015	510	0	0	24	25
Pennsylvania	14,212	12,269	16.0%	0	0	14,096	12,115	0	0	116	154
East North Central	63,299	55,609	14.0%	44,507	38,472	18,428	16,791	34	32	330	313
Illinois	17,251	14,998	15.0%	2,130	2,043	14,910	12,751	7	5	203	198
Indiana	14,769	14,371	2.8%	13,853	13,097	901	1,259	10	11	4	4
Michigan	10,149	8,806	15.0%	10,038	8,712	69	66	11	10	31	19
Ohio	13,588	12,054	13.0%	11,011	9,310	2,548	2,715	NM	NM	24	24
Wisconsin	7,543	5,380	40.0%	7,474	5,311	0	0	1	1	68	68
West North Central	45,214	41,843	8.1%	44,688	41,331	0	0	33	26	493	485
Iowa	6,585	6,639	-0.8%	6,308	6,371	0	0	17	14	260	253
Kansas	6,094	5,013	22.0%	6,094	5,013	0	0	0	0	0	0
Minnesota	4,647	4,280	8.6%	4,509	4,135	0	0	7	NM	130	139
Missouri	14,532	12,923	12.0%	14,514	12,911	0	0	9	5	10	7
Nebraska	5,050	4,781	5.6%	4,983	4,720	0	0	0	0	67	61
North Dakota	7,589	7,654	-0.8%	7,564	7,628	0	0	0	0	26	26
South Dakota	717	553	30.0%	717	553	0	0	0	0	0	0
South Atlantic	35,302	33,089	6.7%	29,126	28,018	5,993	4,863	7	6	176	203
Delaware	179	110	62.0%	0	0	179	110	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,847	5,627	3.9%	5,746	5,452	87	161	0	0	14	15
Georgia	5,542	5,986	-7.4%	5,506	5,947	0	0	0	0	36	38
Maryland	2,015	1,505	34.0%	0	0	1,999	1,491	0	0	16	14
North Carolina	5,973	5,976	-0.1%	5,789	5,754	164	204	5	3	14	15
South Carolina	3,150	3,696	-15.0%	3,129	3,655	0	14	0	0	20	27
Virginia	2,883	1,673	72.0%	2,674	1,486	177	146	NM	NM	30	38
West Virginia	9,713	8,516	14.0%	6,282	5,724	3,387	2,737	0	0	45	56
East South Central	28,578	23,229	23.0%	27,324	22,219	1,144	907	2	1	108	102
Alabama	7,358	5,723	29.0%	7,341	5,703	0	3	0	0	17	17
Kentucky	13,415	11,890	13.0%	13,415	11,890	0	0	0	0	0	0
Mississippi	1,836	1,515	21.0%	692	610	1,144	905	0	0	0	0
Tennessee	5,968	4,102	46.0%	5,876	4,015	0	0	2	1	91	85
West South Central	45,225	41,519	8.9%	23,697	22,625	21,486	18,746	0	0	42	148
Arkansas	5,804	5,516	5.2%	5,051	4,705	743	802	0	0	10	9
Louisiana	4,520	3,734	21.0%	2,020	1,972	2,499	1,761	0	0	NM	NM
Oklahoma	5,605	5,579	0.5%	5,248	5,257	326	278	0	0	31	44
Texas	29,295	26,690	9.8%	11,378	10,691	17,917	15,905	0	0	0	94
Mountain	36,809	32,927	12.0%	32,270	29,316	4,417	3,475	0	0	122	136
Arizona	7,125	6,670	6.8%	7,121	6,649	0	0	0	0	4	21
Colorado	6,220	5,932	4.9%	6,212	5,922	8	10	0	0	0	0
Idaho	6	5	12.0%	0	0	0	0	0	0	6	5
Montana	3,961	3,080	29.0%	NM	92	3,862	2,986	0	0	NM	NM
Nevada	902	462	95.0%	630	250	272	213	0	0	0	0
New Mexico	4,796	4,269	12.0%	4,796	4,269	0	0	0	0	0	0
Utah	4,782	4,164	15.0%	4,623	4,020	116	105	0	0	43	39
Wyoming	9,017	8,345	8.1%	8,791	8,114	160	161	0	0	66	69
Pacific Contiguous	2,053	955	115.0%	786	477	1,240	451	0	0	28	27
California	119	207	-43.0%	0	0	93	183	0	0	25	23
Oregon	786	477	65.0%	786	477	0	0	0	0	0	0
Washington	1,149	271	323.0%	0	0	1,146	268	0	0	3	4
Pacific Noncontiguous	340	414	-18.0%	54	70	246	301	36	39	NM	NM
Alaska	157	182	-13.0%	54	70	67	73	36	39	0	0
Hawaii	182	233	-22.0%	0	0	179	228	0	0	NM	NM
U.S. Total	273,748	243,087	13.0%	202,822	182,752	69,366	58,630	112	104	1,448	1,602

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Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and April 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	54	31	73.0%	6	7	41	16	NM	4	3	5
Connecticut	4	7	-43.0%	1	1	3	6	NM	0	NM	NM
Maine	37	10	271.0%	NM	NM	34	5	NM	NM	2	4
Massachusetts	7	10	-30.0%	1	3	3	5	NM	2	1	NM
New Hampshire	NM	NM	NM	2	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	2	NM	2	2	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	60	53	15.0%	11	5	42	40	3	2	4	5
New Jersey	4	NM	NM	NM	NM	3	NM	NM	NM	NM	NM
New York	26	19	39.0%	11	5	9	7	3	2	4	5
Pennsylvania	31	32	-4.0%	NM	NM	30	32	0	NM	0	0
East North Central	83	104	-20.0%	68	88	12	13	NM	NM	2	NM
Illinois	10	11	-11.0%	3	2	6	9	NM	NM	NM	NM
Indiana	18	15	23.0%	17	13	NM	NM	NM	NM	1	2
Michigan	21	49	-57.0%	21	48	0	0	NM	NM	0	1
Ohio	27	26	1.8%	21	22	6	4	NM	NM	0	0
Wisconsin	7	NM	NM	6	NM	0	0	NM	NM	NM	NM
West North Central	65	73	-11.0%	64	72	0	0	NM	NM	NM	NM
Iowa	28	28	1.6%	28	27	NM	0	NM	NM	NM	NM
Kansas	7	6	8.5%	7	6	0	0	0	0	0	0
Minnesota	3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Missouri	14	21	-31.0%	14	21	NM	NM	NM	NM	0	0
Nebraska	7	9	-30.0%	7	9	0	0	0	0	0	0
North Dakota	5	NM	NM	5	NM	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	256	220	16.0%	209	174	30	33	NM	NM	17	13
Delaware	NM	4	NM	NM	NM	NM	4	0	0	0	0
District of Columbia	0	5	-100.0%	0	0	0	5	0	0	0	0
Florida	130	94	38.0%	126	84	2	9	0	0	1	1
Georgia	29	26	15.0%	18	16	NM	NM	NM	NM	11	9
Maryland	24	12	98.0%	1	1	23	10	NM	NM	0	0
North Carolina	24	31	-22.0%	23	29	NM	NM	NM	NM	NM	1
South Carolina	15	14	11.0%	13	13	0	0	NM	NM	2	1
Virginia	16	17	-5.1%	12	12	3	4	0	0	1	1
West Virginia	16	18	-8.9%	16	18	0	0	0	0	0	0
East South Central	43	55	-22.0%	39	52	NM	0	0	0	4	2
Alabama	15	13	9.0%	11	11	NM	0	0	0	3	2
Kentucky	13	16	-21.0%	13	16	0	0	0	0	0	0
Mississippi	3	1	206.0%	3	1	0	0	0	0	0	0
Tennessee	12	24	-49.0%	12	24	0	0	0	0	0	NM
West South Central	31	45	-32.0%	8	15	21	28	NM	NM	NM	1
Arkansas	4	12	-66.0%	NM	9	4	3	0	0	NM	NM
Louisiana	6	4	45.0%	NM	1	4	2	0	0	1	1
Oklahoma	3	3	14.0%	3	3	0	0	NM	NM	0	0
Texas	18	26	-32.0%	4	3	13	23	NM	NM	NM	NM
Mountain	32	49	-34.0%	31	47	NM	NM	NM	NM	NM	NM
Arizona	7	9	-19.0%	7	8	0	0	NM	NM	0	NM
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	2	7	-75.0%	1	6	0	1	0	0	0	0
New Mexico	7	13	-45.0%	7	12	NM	NM	0	0	0	0
Utah	7	9	-19.0%	7	9	NM	NM	0	0	0	0
Wyoming	5	NM	NM	5	NM	0	0	0	0	NM	NM
Pacific Contiguous	14	NM	NM	7	8	4	10	NM	NM	3	NM
California	9	15	-39.0%	5	4	3	10	NM	NM	NM	NM
Oregon	1	NM	NM	1	0	0	0	NM	NM	0	0
Washington	3	NM	NM	NM	NM	0	NM	NM	NM	3	NM
Pacific Noncontiguous	979	1,077	-9.1%	852	954	112	88	NM	NM	15	34
Alaska	125	127	-1.8%	116	118	0	0	NM	NM	8	9
Hawaii	854	950	-10.0%	736	837	112	88	0	1	7	25
U.S. Total	1,617	1,729	-6.5%	1,294	1,423	264	230	9	NM	49	66

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
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 2013 and April 2012 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	898	233	286.0%	147	49	704	150	33	16	14	18
Connecticut	278	35	702.0%	2	3	275	31	NM	0	NM	NM
Maine	253	73	248.0%	NM	0	243	53	NM	NM	6	17
Massachusetts	246	82	201.0%	65	12	162	65	14	NM	6	NM
New Hampshire	77	29	163.0%	71	26	NM	NM	NM	NM	NM	NM
Rhode Island	31	NM	NM	5	6	24	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	927	258	260.0%	311	38	577	188	NM	6	29	26
New Jersey	91	12	673.0%	NM	NM	90	10	NM	NM	NM	NM
New York	636	135	370.0%	310	36	289	69	NM	6	27	24
Pennsylvania	200	111	81.0%	NM	NM	198	109	1	1	NM	1
East North Central	362	394	-8.0%	296	328	57	55	NM	2	8	8
Illinois	39	41	-5.3%	13	13	26	27	NM	0	NM	NM
Indiana	82	74	12.0%	77	68	NM	NM	NM	NM	5	5
Michigan	80	102	-22.0%	77	98	0	0	NM	1	2	2
Ohio	135	160	-15.0%	107	132	28	27	NM	NM	0	1
Wisconsin	26	18	44.0%	23	16	2	1	NM	NM	NM	NM
West North Central	204	200	1.7%	200	196	2	2	NM	NM	1	NM
Iowa	62	56	11.0%	61	55	1	1	NM	NM	NM	NM
Kansas	31	24	30.0%	31	24	0	0	0	0	0	0
Minnesota	13	NM	NM	11	NM	1	1	NM	NM	0	NM
Missouri	54	59	-8.4%	54	59	NM	NM	NM	NM	0	0
Nebraska	16	19	-16.0%	16	19	0	0	0	0	0	0
North Dakota	19	21	-12.0%	19	21	0	0	NM	NM	0	NM
South Dakota	9	9	5.2%	9	9	NM	NM	NM	NM	0	0
South Atlantic	958	873	9.7%	746	634	146	170	NM	NM	65	66
Delaware	18	13	43.0%	NM	NM	17	12	0	0	0	0
District of Columbia	0	8	-100.0%	0	0	0	8	0	0	0	0
Florida	342	269	27.0%	327	233	NM	30	0	0	5	6
Georgia	89	93	-4.3%	48	53	NM	NM	NM	1	40	37
Maryland	96	75	29.0%	4	5	92	64	NM	NM	0	6
North Carolina	147	151	-2.6%	138	146	NM	NM	NM	NM	3	4
South Carolina	58	81	-29.0%	52	75	0	0	NM	0	6	6
Virginia	142	104	36.0%	112	45	19	52	0	1	10	7
West Virginia	66	79	-16.0%	64	79	2	0	0	0	0	0
East South Central	227	242	-6.1%	213	232	1	2	0	0	14	9
Alabama	56	48	16.0%	44	39	1	2	0	0	12	8
Kentucky	75	70	6.9%	75	70	0	0	0	0	0	0
Mississippi	10	7	31.0%	8	6	0	0	0	0	1	1
Tennessee	87	116	-26.0%	85	116	0	0	0	0	NM	NM
West South Central	126	112	13.0%	35	40	75	62	NM	NM	15	9
Arkansas	18	24	-27.0%	6	14	11	9	0	0	NM	1
Louisiana	40	18	120.0%	9	4	16	7	0	0	14	7
Oklahoma	5	7	-28.0%	5	7	0	0	NM	NM	0	0
Texas	64	63	1.6%	15	16	47	46	NM	NM	NM	NM
Mountain	137	140	-2.5%	128	132	8	NM	NM	NM	NM	NM
Arizona	31	30	3.5%	31	30	0	0	NM	NM	NM	NM
Colorado	11	15	-26.0%	11	15	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	6	NM	NM	NM	NM	5	NM	0	0	0	0
Nevada	8	15	-44.0%	6	12	2	2	0	0	0	0
New Mexico	33	31	6.4%	32	29	NM	NM	0	0	0	0
Utah	24	23	6.0%	24	22	NM	NM	0	0	0	0
Wyoming	23	22	4.2%	23	22	0	0	0	0	NM	NM
Pacific Contiguous	45	62	-29.0%	24	26	9	18	NM	NM	11	18
California	24	35	-33.0%	18	18	4	16	NM	0	NM	NM
Oregon	NM	3	NM	3	2	0	0	NM	NM	0	0
Washington	17	25	-29.0%	NM	6	6	3	NM	NM	10	16
Pacific Noncontiguous	3,939	4,271	-7.8%	3,476	3,826	413	361	2	NM	48	81
Alaska	434	539	-19.0%	409	508	0	0	NM	NM	25	30
Hawaii	3,504	3,732	-6.1%	3,067	3,318	413	361	1	2	23	51
U.S. Total	7,822	6,785	15.0%	5,576	5,501	1,991	1,016	50	31	205	237

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
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 2013 and April 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	54	25	116.0%	4	4	46	17	0	0	4	4
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	3	0	--	3	0	0	0	0	0	0	0
Michigan	4	3	42.0%	0	0	3	2	0	0	NM	0
Ohio	44	15	185.0%	0	0	44	15	0	0	0	0
Wisconsin	4	7	-48.0%	1	4	0	0	0	0	3	4
West North Central	0	0	120.0%	0	0	0	0	0	0	0	0
Iowa	0	0	120.0%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	62	5	NM	58	0	0	0	0	0	4	5
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	58	0	--	58	0	0	0	0	0	0	0
Georgia	4	5	-20.0%	0	0	0	0	0	0	4	5
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	44	44	-1.5%	44	44	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	44	44	-1.5%	44	44	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	157	112	40.0%	112	72	0	0	0	0	45	40
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	116	74	56.0%	112	72	0	0	0	0	4	2
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	41	38	8.1%	0	0	0	0	0	0	41	38
Mountain	16	15	2.9%	0	0	16	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	15	2.9%	0	0	16	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	0	NM	0	0	NM	0	0	0	0	0
California	NM	0	NM	0	0	NM	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	335	202	65.0%	217	120	63	33	0	0	54	50

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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 2013 and April 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	322	238	35.0%	107	95	197	125	0	0	18	18
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	106	80	33.0%	106	80	0	0	0	0	0	0
Michigan	16	15	5.9%	0	0	12	11	0	0	4	4
Ohio	185	114	62.0%	0	0	185	114	0	0	0	0
Wisconsin	15	29	-48.0%	1	15	0	0	0	0	14	14
West North Central	1	5	-89.0%	0	5	0	0	1	0	0	0
Iowa	1	5	-89.0%	0	5	0	0	1	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	131	152	-14.0%	115	131	0	0	0	0	16	21
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	115	131	-12.0%	115	131	0	0	0	0	0	0
Georgia	16	21	-24.0%	0	0	0	0	0	0	16	21
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	164	123	33.0%	164	123	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	164	123	33.0%	164	123	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	688	588	17.0%	540	399	0	0	0	0	147	188
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	556	417	33.0%	540	399	0	0	0	0	16	18
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	131	170	-23.0%	0	0	0	0	0	0	131	170
Mountain	61	61	-0.3%	0	0	61	61	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	61	61	-0.3%	0	0	61	61	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	84	NM	0	0	NM	84	0	0	0	0
California	NM	84	NM	0	0	NM	84	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,376	1,256	9.6%	927	754	263	270	1	0	186	231

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Totals may not equal sum of components because of independent rounding. Percentage change 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 2013 and April 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	29,659	28,842	2.8%	NM	343	27,909	26,598	471	420	1,182	1,480
Connecticut	8,660	7,553	15.0%	NM	NM	8,327	7,182	NM	NM	NM	NM
Maine	2,624	2,196	19.0%	0	0	1,657	972	NM	NM	966	1,222
Massachusetts	14,178	12,013	18.0%	46	269	13,772	11,423	278	215	NM	NM
New Hampshire	134	3,085	-96.0%	0	2	125	3,074	0	0	NM	NM
Rhode Island	4,062	3,992	1.8%	0	0	4,028	3,948	NM	NM	0	0
Vermont	1	3	-60.0%	1	3	0	0	0	0	0	0
Middle Atlantic	69,615	81,580	-15.0%	9,888	8,238	58,448	71,974	603	595	677	774
New Jersey	15,326	15,472	-0.9%	0	0	14,976	15,106	NM	NM	272	307
New York	29,339	34,308	-14.0%	9,885	8,231	18,835	25,454	487	488	132	136
Pennsylvania	24,950	31,800	-22.0%	NM	NM	24,637	31,414	NM	NM	273	331
East North Central	33,075	53,735	-38.0%	10,980	18,460	20,672	33,639	638	735	785	902
Illinois	4,837	8,267	-41.0%	663	1,134	3,710	6,573	280	346	183	214
Indiana	4,385	7,584	-42.0%	2,955	6,701	1,074	536	NM	NM	337	324
Michigan	8,867	19,483	-54.0%	1,792	5,286	6,764	13,822	149	138	162	236
Ohio	9,638	11,767	-18.0%	3,220	2,240	6,240	9,324	NM	NM	NM	NM
Wisconsin	5,347	6,634	-19.0%	2,350	3,099	2,884	3,384	44	NM	70	84
West North Central	9,416	11,387	-17.0%	7,862	8,954	1,230	2,058	219	270	105	104
Iowa	549	NM	NM	529	NM	NM	NM	NM	NM	NM	7
Kansas	NM	2,481	NM	NM	2,469	0	0	0	0	NM	NM
Minnesota	4,756	4,617	3.0%	3,837	3,701	762	729	112	NM	45	NM
Missouri	2,069	3,488	-41.0%	1,499	2,040	468	1,330	102	115	NM	NM
Nebraska	164	288	-43.0%	NM	250	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	142,298	159,088	-11.0%	114,039	116,543	25,877	40,687	NM	NM	2,129	1,678
Delaware	3,359	5,827	-42.0%	NM	NM	2,618	5,401	0	0	732	407
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	80,322	93,179	-14.0%	73,047	83,980	6,503	8,407	NM	NM	757	772
Georgia	20,922	23,434	-11.0%	15,987	11,997	4,519	11,174	0	0	416	264
Maryland	2,208	8,604	-74.0%	0	0	2,022	8,360	NM	NM	NM	86
North Carolina	14,545	10,922	33.0%	10,237	8,534	4,252	2,336	2	0	53	NM
South Carolina	7,140	7,996	-11.0%	6,576	5,774	500	2,170	NM	NM	63	50
Virginia	13,544	8,871	53.0%	8,184	6,152	5,285	2,675	0	0	75	44
West Virginia	180	168	7.6%	0	0	178	164	0	0	NM	NM
East South Central	39,675	68,710	-42.0%	19,865	41,133	17,665	26,588	NM	NM	2,070	913
Alabama	22,726	31,450	-28.0%	7,191	8,823	14,858	22,023	0	0	676	604
Kentucky	1,616	6,175	-74.0%	1,469	5,699	NM	352	0	0	130	NM
Mississippi	14,552	25,739	-43.0%	10,513	21,349	2,789	4,213	NM	NM	1,241	168
Tennessee	781	5,346	-85.0%	692	5,262	0	0	NM	NM	23	17
West South Central	165,470	221,327	-25.0%	48,107	73,501	82,539	114,864	313	350	34,511	32,612
Arkansas	5,145	11,226	-54.0%	NM	2,482	4,400	8,644	NM	NM	133	100
Louisiana	32,280	39,436	-18.0%	14,728	18,078	4,690	7,623	NM	NM	12,843	13,715
Oklahoma	16,910	30,563	-45.0%	13,006	20,293	3,838	10,206	NM	NM	NM	NM
Texas	111,135	140,102	-21.0%	19,761	32,649	69,611	88,390	273	308	21,490	18,756
Mountain	38,025	45,275	-16.0%	22,776	31,007	14,565	13,484	NM	165	559	618
Arizona	11,217	17,635	-36.0%	3,959	10,202	7,223	7,384	NM	46	0	NM
Colorado	6,178	5,738	7.7%	3,303	3,930	2,859	1,789	0	0	NM	NM
Idaho	784	608	29.0%	286	210	478	348	0	0	21	50
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	10,015	11,479	-13.0%	8,506	8,912	1,354	2,375	NM	NM	NM	142
New Mexico	5,853	5,771	1.4%	3,513	4,424	2,250	1,232	NM	68	NM	NM
Utah	3,580	3,637	-1.6%	3,106	3,198	NM	NM	NM	NM	96	105
Wyoming	312	299	4.1%	NM	NM	NM	NM	0	0	273	255
Pacific Contiguous	57,748	68,672	-16.0%	18,793	21,703	33,271	39,969	875	1,089	4,809	5,911
California	50,734	63,904	-21.0%	16,151	20,561	29,008	36,453	837	1,040	4,738	5,850
Oregon	4,959	3,355	48.0%	1,009	107	3,883	3,168	NM	NM	32	NM
Washington	2,056	1,413	45.0%	1,633	1,035	380	348	NM	NM	39	24
Pacific Noncontiguous	3,143	3,651	-14.0%	3,075	3,558	0	0	NM	NM	NM	NM
Alaska	3,143	3,651	-14.0%	3,075	3,558	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	588,124	742,266	-21.0%	255,482	323,441	282,176	369,861	3,574	3,883	46,893	45,082

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through April 2013 and April 2012 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	107,984	133,073	-19.0%	757	686	98,850	123,792	2,045	2,108	6,332	6,487
Connecticut	35,952	32,385	11.0%	NM	NM	34,484	30,834	653	699	593	594
Maine	12,262	15,187	-19.0%	0	0	6,986	9,731	NM	NM	5,270	5,450
Massachusetts	41,148	50,638	-19.0%	401	361	39,106	48,642	1,209	1,233	432	403
New Hampshire	7,612	16,435	-54.0%	119	55	7,456	16,341	0	0	NM	NM
Rhode Island	10,995	18,415	-40.0%	0	0	10,818	18,245	NM	170	0	0
Vermont	14	13	8.7%	14	13	0	0	0	0	0	0
Middle Atlantic	297,661	315,485	-5.6%	35,905	35,811	256,080	273,955	2,611	2,379	3,064	3,340
New Jersey	56,778	57,500	-1.3%	0	0	55,311	55,919	284	251	1,184	1,331
New York	130,109	131,700	-1.2%	35,895	35,801	91,509	93,358	2,139	1,943	566	598
Pennsylvania	110,774	126,284	-12.0%	NM	NM	109,260	124,679	NM	NM	1,314	1,411
East North Central	142,090	205,080	-31.0%	52,017	74,893	84,130	123,347	2,846	3,190	3,098	3,650
Illinois	16,734	25,798	-35.0%	1,257	3,232	13,322	20,319	1,304	1,391	850	856
Indiana	23,748	38,786	-39.0%	16,074	30,776	6,388	6,573	NM	96	1,193	1,342
Michigan	29,212	59,595	-51.0%	5,972	13,066	21,921	44,781	684	774	635	975
Ohio	51,089	54,570	-6.4%	17,004	12,893	33,275	40,830	NM	674	153	173
Wisconsin	21,307	26,331	-19.0%	11,709	14,926	9,225	10,844	107	256	266	305
West North Central	37,376	35,772	4.5%	31,547	30,576	4,739	3,623	619	1,150	470	424
Iowa	2,766	2,125	30.0%	2,704	2,097	NM	NM	NM	NM	NM	9
Kansas	6,023	6,891	-13.0%	6,011	6,860	0	0	0	0	NM	NM
Minnesota	16,116	14,258	13.0%	13,921	12,062	1,507	1,349	472	695	216	151
Missouri	11,268	11,437	-1.5%	7,901	8,728	3,232	2,273	127	427	NM	NM
Nebraska	488	633	-23.0%	340	449	0	0	NM	NM	141	175
North Dakota	46	49	-5.8%	NM	0	0	0	0	0	45	49
South Dakota	668	NM	NM	668	NM	0	0	0	0	0	0
South Atlantic	564,671	591,893	-4.6%	454,774	451,391	99,808	133,238	1,024	776	9,065	6,488
Delaware	15,172	18,699	-19.0%	NM	NM	11,686	17,184	0	0	3,446	1,464
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	309,665	342,978	-9.7%	287,208	311,262	19,214	28,533	NM	NM	3,179	3,109
Georgia	92,973	80,642	15.0%	70,741	45,001	20,699	34,708	0	0	1,533	933
Maryland	4,681	13,520	-65.0%	0	0	3,938	12,456	627	684	116	380
North Carolina	61,307	44,859	37.0%	40,910	36,862	20,160	7,784	10	13	227	199
South Carolina	28,654	33,613	-15.0%	26,427	27,368	1,969	6,057	NM	NM	256	183
Virginia	51,161	56,653	-9.7%	29,265	30,444	21,601	26,000	0	0	295	209
West Virginia	738	568	30.0%	183	40	542	516	0	0	NM	11
East South Central	207,301	251,900	-18.0%	112,462	139,086	85,761	108,715	NM	336	8,758	3,763
Alabama	112,853	128,175	-12.0%	34,862	33,990	74,898	91,762	0	0	3,093	2,423
Kentucky	6,066	10,687	-43.0%	5,181	9,592	367	522	0	0	518	573
Mississippi	74,489	97,925	-24.0%	58,899	80,768	10,496	16,431	NM	NM	5,056	687
Tennessee	13,893	15,113	-8.1%	13,520	14,736	0	0	NM	297	91	80
West South Central	650,698	754,247	-14.0%	175,421	219,751	328,201	395,238	1,229	1,297	145,847	137,961
Arkansas	31,163	36,384	-14.0%	1,703	4,940	28,885	30,995	NM	NM	574	446
Louisiana	126,058	138,207	-8.8%	52,781	58,800	15,631	22,543	NM	NM	57,564	56,779
Oklahoma	68,839	93,570	-26.0%	54,657	67,336	13,841	25,968	NM	NM	267	190
Texas	424,638	486,086	-13.0%	66,280	88,674	269,844	315,731	1,071	1,135	87,443	80,546
Mountain	159,008	179,254	-11.0%	98,264	107,844	57,512	68,057	631	669	2,601	2,684
Arizona	39,082	61,813	-37.0%	17,865	28,580	21,021	33,040	178	187	NM	5
Colorado	24,631	24,591	0.2%	13,990	15,518	10,573	8,999	0	1	NM	NM
Idaho	6,213	4,274	45.0%	2,043	353	3,986	3,733	0	0	185	188
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	51,880	48,904	6.1%	38,331	35,986	12,837	12,150	192	201	520	567
New Mexico	20,214	21,633	-6.6%	12,809	13,059	6,973	8,110	261	278	NM	186
Utah	15,379	16,361	-6.0%	12,812	13,880	2,056	1,968	NM	NM	511	512
Wyoming	1,248	1,288	-3.1%	NM	NM	NM	NM	0	0	1,129	1,154
Pacific Contiguous	293,965	310,523	-5.3%	103,439	103,093	162,895	178,971	4,551	4,578	23,080	23,882
California	242,035	264,983	-8.7%	77,237	81,590	137,766	155,541	4,364	4,339	22,667	23,512
Oregon	34,624	32,665	6.0%	11,185	10,894	23,004	21,352	181	223	253	196
Washington	17,306	12,876	34.0%	15,016	10,609	2,124	2,078	6	15	160	174
Pacific Noncontiguous	13,537	15,422	-12.0%	13,246	15,014	0	0	NM	NM	282	397
Alaska	13,537	15,422	-12.0%	13,246	15,014	0	0	NM	NM	282	397
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,474,290	2,792,649	-11.0%	1,077,832	1,178,144	1,177,975	1,408,936	15,886	16,493	202,597	189,076

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values 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. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2003 - April 2013

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
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	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81
2011, End of Month Stocks									
January	164,575	35,116	799	134,983	24,759	657	29,591	10,357	142
February	161,064	34,662	707	131,893	24,552	594	29,171	10,110	113
March	166,255	34,318	495	135,359	24,448	437	30,896	9,870	59
April	173,427	33,895	526	141,094	24,222	463	32,334	9,672	63
May	174,093	33,745	563	140,536	24,187	490	33,557	9,557	73
June	165,149	35,339	496	133,988	25,847	433	31,161	9,492	64
July	147,296	34,903	463	120,226	25,535	411	27,070	9,368	52
August	138,527	34,637	437	113,210	25,297	379	25,317	9,339	58
Sept	143,711	34,666	385	118,038	25,313	332	25,673	9,353	53
October	156,196	35,293	440	128,170	25,756	346	28,026	9,536	94
November	167,754	35,437	494	137,122	25,967	391	30,632	9,470	102
December	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012, End of Month Stocks									
January	179,030	34,679	443	144,748	25,528	324	34,283	9,151	119
February	185,901	34,431	420	150,454	25,307	293	35,447	9,124	127
March	194,455	34,483	500	157,779	25,426	351	36,676	9,057	149
April	201,368	34,263	507	162,262	25,283	332	39,106	8,980	174
May	202,184	33,852	459	163,185	24,982	270	38,999	8,869	190
June	197,052	33,553	519	158,611	24,833	287	38,441	8,720	232
July	183,119	33,250	474	148,872	24,757	216	34,246	8,492	258
August	177,246	32,372	413	145,187	24,111	198	32,059	8,261	216
Sept	180,648	31,985	358	148,076	23,908	267	32,572	8,076	90
October	184,661	31,734	398	151,440	23,701	339	33,222	8,033	59
November	186,633	31,683	423	152,764	23,710	346	33,869	7,974	77
December	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81
2013, End of Month Stocks									
January	180,318	31,078	444	146,911	23,451	360	33,408	7,627	84
February	177,208	30,908	444	145,893	23,171	364	31,315	7,737	80
March	173,241	31,874	406	143,710	23,906	323	29,531	7,968	83
April	173,078	31,312	455	143,480	23,441	387	29,598	7,872	69

Notes: See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 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 2013 and 2012

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	April 2013	April 2012	Percentage Change	April 2013	April 2012	Percentage Change	April 2013	April 2012	Percentage Change
New England	723	1,376	-47.0%	2,095	2,486	-16.0%	0	0	--
Connecticut	W	W	W	782	932	-16.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	369	746	-51.0%	818	923	-11.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	48	50	-3.9%	0	0	--
Middle Atlantic	6,483	9,460	-31.0%	5,225	6,576	-21.0%	W	W	W
New Jersey	817	862	-5.1%	959	1,111	-14.0%	0	0	--
New York	498	862	-42.0%	3,358	4,331	-22.0%	0	0	--
Pennsylvania	5,167	7,736	-33.0%	908	1,134	-20.0%	W	W	W
East North Central	29,512	40,760	-28.0%	1,304	1,520	-14.0%	48	W	W
Illinois	5,542	8,843	-37.0%	114	134	-15.0%	0	0	--
Indiana	8,717	10,574	-18.0%	123	122	0.9%	0	0	--
Michigan	5,035	5,777	-13.0%	513	635	-19.0%	W	W	W
Ohio	6,395	8,399	-24.0%	318	348	-8.8%	W	W	W
Wisconsin	3,824	7,168	-47.0%	236	281	-16.0%	W	W	W
West North Central	28,729	32,163	-11.0%	995	1,274	-22.0%	0	0	--
Iowa	8,252	8,391	-1.7%	148	152	-2.9%	0	0	--
Kansas	3,485	4,838	-28.0%	156	279	-44.0%	0	0	--
Minnesota	2,933	2,944	-0.4%	155	188	-18.0%	0	0	--
Missouri	9,365	10,186	-8.1%	299	323	-7.5%	0	0	--
Nebraska	2,968	3,682	-19.0%	126	204	-38.0%	0	0	--
North Dakota	W	W	W	39	41	-6.2%	0	0	--
South Dakota	W	W	W	74	86	-14.0%	0	0	--
South Atlantic	38,383	43,628	-12.0%	13,162	14,243	-7.6%	W	W	W
Delaware	W	W	W	397	407	-2.5%	0	0	--
District of Columbia	0	0	--	0	87	-100.0%	0	0	--
Florida	5,882	W	W	6,801	7,659	-11.0%	W	W	W
Georgia	10,086	9,642	4.6%	919	931	-1.3%	0	0	--
Maryland	1,605	2,388	-33.0%	750	824	-9.0%	0	0	--
North Carolina	7,017	7,696	-8.8%	1,100	1,054	4.3%	0	0	--
South Carolina	5,958	W	W	651	599	8.7%	W	W	W
Virginia	W	2,309	W	2,404	2,551	-5.8%	0	0	--
West Virginia	6,203	7,103	-13.0%	141	130	8.5%	W	W	W
East South Central	18,587	20,642	-10.0%	2,077	1,956	6.2%	W	W	W
Alabama	5,610	6,374	-12.0%	312	304	2.9%	0	0	--
Kentucky	7,973	8,843	-9.8%	263	258	1.8%	W	W	W
Mississippi	1,954	1,827	6.9%	564	557	1.2%	0	0	--
Tennessee	3,050	3,597	-15.0%	938	838	12.0%	0	0	--
West South Central	28,936	30,761	-5.9%	2,460	2,514	-2.1%	W	W	W
Arkansas	3,649	4,359	-16.0%	243	162	50.0%	0	0	--
Louisiana	3,353	4,143	-19.0%	664	663	0.2%	W	W	W
Oklahoma	4,927	5,091	-3.2%	196	196	0.3%	0	0	--
Texas	17,008	17,167	-0.9%	1,357	1,493	-9.1%	W	W	W
Mountain	19,788	19,825	-0.2%	707	687	2.9%	W	W	W
Arizona	4,020	3,889	3.4%	215	221	-2.8%	0	0	--
Colorado	4,192	4,345	-3.5%	146	140	4.3%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	1,037	W	W	180	180	-0.1%	0	0	--
New Mexico	W	W	W	55	43	28.0%	0	0	--
Utah	4,755	4,359	9.1%	54	41	30.0%	0	0	--
Wyoming	3,772	3,763	0.2%	31	40	-22.0%	0	0	--
Pacific Contiguous	W	W	W	378	391	-3.5%	NM	W	W
California	W	W	W	190	213	-11.0%	NM	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,910	2,616	11.0%	0	0	--
Alaska	W	W	W	249	286	-13.0%	0	0	--
Hawaii	W	W	W	2,661	2,330	14.0%	0	0	--
U.S. Total	173,078	201,368	-14.0%	31,312	34,263	-8.6%	455	507	-10.0%

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values 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. Percentage change 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 Divison, April 2013 and 2012

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**April 2013**	**April 2012**	**Percentage Change**	**April 2013**	**April 2012**	**April 2013**	**April 2012**
Coal (Thousand Tons)							
New England	723	1,376	-47.4%	W	W	W	W
Middle Atlantic	6,483	9,460	-31.5%	W	W	W	W
East North Central	29,512	40,760	-27.6%	23,678	31,061	5,834	9,698
West North Central	28,729	32,163	-10.7%	28,729	32,163	0	0
South Atlantic	38,383	43,628	-12.0%	34,655	38,577	3,728	5,050
East South Central	18,587	20,642	-10.0%	W	20,642	W	0
West South Central	28,936	30,761	-5.9%	17,446	19,293	11,491	11,468
Mountain	19,788	19,825	-0.2%	18,674	W	1,114	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**173,078**	**201,368**	**-14.0%**	**143,480**	**162,262**	**29,598**	**39,106**
Petroleum Liquids (Thousand Barrels)							
New England	2,095	2,486	-15.7%	418	630	1,677	1,856
Middle Atlantic	5,225	6,576	-20.5%	2,322	2,958	2,903	3,618
East North Central	1,304	1,520	-14.3%	W	1,276	W	244
West North Central	995	1,274	-21.9%	967	1,238	28	36
South Atlantic	13,162	14,243	-7.6%	10,905	11,858	2,257	2,385
East South Central	2,077	1,956	6.2%	W	W	W	W
West South Central	2,460	2,514	-2.1%	W	1,867	W	646
Mountain	707	687	2.9%	W	612	W	74
Pacific Contiguous	378	391	-3.5%	W	W	W	W
Pacific Noncontiguous	2,910	2,616	11.3%	W	W	W	W
U.S. Total	**31,312**	**34,263**	**-8.6%**	**23,441**	**25,283**	**7,872**	**8,980**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	48	W	W	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	W	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	NM	W	W	0	0	NM	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**455**	**507**	**-10.1%**	**387**	**W**	**69**	**W**

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2003 - April 2013

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	87,200	92,861	4,861	184,923
2011, End of Month Stocks				
January	76,100	82,111	6,364	164,575
February	75,549	79,101	6,414	161,064
March	77,414	82,337	6,504	166,255
April	79,734	86,900	6,793	173,427
May	79,250	88,099	6,744	174,093
June	75,011	83,599	6,539	165,149
July	66,549	74,518	6,229	147,296
August	64,584	67,775	6,168	138,527
Sept	66,763	70,804	6,144	143,711
October	74,236	75,766	6,193	156,196
November	79,726	81,302	6,726	167,754
December	82,056	85,151	5,179	172,387
2012, End of Month Stocks				
January	83,710	90,305	5,015	179,030
February	87,411	93,769	4,721	185,901
March	90,379	99,339	4,737	194,455
April	93,459	102,940	4,970	201,368
May	93,830	103,155	5,199	202,184
June	92,246	99,658	5,148	197,052
July	83,802	94,403	4,913	183,119
August	80,877	91,417	4,951	177,246
Sept	82,610	93,242	4,795	180,648
October	86,214	93,729	4,718	184,661
November	87,226	94,666	4,740	186,633
December	87,200	92,861	4,861	184,923
2013, End of Month Stocks				
January	84,807	90,863	4,649	180,318
February	82,933	89,794	4,481	177,208
March	81,271	87,215	4,755	173,241
April	83,313	84,758	5,008	173,078

Notes: See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - April 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2003	19,989,772	986,026	1.28	26.00	0.97	95.6	980,983	156,338	4.94	31.02	0.83	82.6
2004	20,188,633	1,002,032	1.36	27.42	0.97	95.9	958,046	151,821	5.00	31.58	0.88	81.7
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,528,101	948,668	2.39	46.70	1.19	99.2	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,459,166	849,667	2.40	46.58	1.26	100.3	151,815	25,485	21.82	129.99	0.51	101.0
2011												
January	1,608,143	82,379	2.32	45.39	1.17	89.3	22,658	3,777	16.79	100.70	0.66	97.8
February	1,454,404	73,875	2.35	46.29	1.23	97.9	15,830	2,657	17.98	107.13	0.65	108.6
March	1,565,674	80,452	2.34	45.56	1.14	108.0	18,710	3,111	19.48	117.17	0.60	124.8
April	1,453,795	74,389	2.38	46.50	1.17	108.1	17,501	2,907	20.17	121.42	0.44	106.2
May	1,477,567	75,079	2.43	47.88	1.21	99.7	22,348	3,663	19.03	116.10	0.79	142.1
June	1,482,372	75,431	2.40	47.18	1.22	87.8	21,398	3,546	21.43	129.32	0.66	134.2
July	1,513,128	77,174	2.45	47.95	1.21	80.3	17,161	2,880	21.34	127.15	0.50	90.1
August	1,672,553	84,971	2.47	48.63	1.21	90.3	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,620,960	83,169	2.44	47.52	1.20	106.0	14,745	2,463	20.87	124.97	0.56	116.5
October	1,606,941	82,470	2.39	46.57	1.19	115.6	19,618	3,265	20.99	126.11	0.53	152.2
November	1,520,071	78,595	2.37	45.85	1.19	114.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,552,493	80,685	2.34	45.12	1.18	107.0	15,253	2,582	21.73	128.38	0.57	115.4
2012												
January	1,509,404	78,597	2.43	46.67	1.20	108.0	15,063	2,523	21.71	129.57	0.52	116.5
February	1,361,534	70,174	2.40	46.53	1.30	108.6	10,834	1,822	22.24	132.26	0.51	102.9
March	1,297,040	66,648	2.41	46.86	1.26	112.7	12,009	1,993	22.11	133.21	0.54	109.6
April	1,186,122	60,281	2.44	48.01	1.32	112.9	10,588	1,785	23.49	139.30	0.54	91.4
May	1,264,178	64,833	2.44	47.54	1.31	100.2	12,000	2,029	22.76	134.57	0.53	95.1
June	1,307,867	67,646	2.38	46.01	1.32	92.2	14,859	2,479	21.84	130.96	0.51	94.1
July	1,416,145	73,473	2.41	46.54	1.21	83.2	15,113	2,519	20.37	122.21	0.50	86.6
August	1,521,653	78,387	2.42	46.99	1.24	92.7	13,466	2,260	20.97	124.94	0.52	101.0
Sept	1,399,185	72,702	2.39	46.04	1.22	102.3	9,982	1,658	21.97	132.25	0.51	90.9
October	1,411,063	72,944	2.38	46.00	1.25	106.5	11,202	1,884	22.48	133.61	0.45	89.5
November	1,401,925	72,397	2.38	46.01	1.27	101.0	11,962	2,016	22.34	132.53	0.49	109.3
December	1,383,049	71,584	2.38	46.00	1.29	95.5	14,738	2,516	20.65	121.00	0.54	136.8
2013												
January	1,290,118	67,121	2.34	44.99	1.24	87.3	10,807	1,799	21.05	125.19	0.50	58.4
February	1,184,981	61,348	2.34	45.24	1.32	89.1	10,776	1,755	21.04	129.33	0.46	86.7
March	1,262,425	64,817	2.35	45.85	1.35	89.8	14,178	2,306	20.16	123.96	0.46	128.0
April	1,202,262	61,218	2.37	46.63	1.36	98.0	6,103	1,020	21.54	128.89	0.51	55.3
Year to Date												
2011	6,082,016	311,094	2.35	45.91	1.17	100.0	74,700	12,452	18.51	111.02	0.59	107.9
2012	5,354,100	275,701	2.42	46.97	1.27	110.3	48,494	8,123	22.31	133.21	0.53	105.4
2013	4,939,786	254,503	2.35	45.67	1.32	90.8	41,865	6,880	20.81	126.74	0.47	78.6
Rolling 12 Months Ending in April												
2012	17,800,185	913,275	2.41	47.05	1.22	102.0	190,546	31,829	21.11	126.36	0.58	116.5
2013	16,044,852	828,469	2.38	46.16	1.28	94.4	145,186	24,241	21.37	127.88	0.50	92.2

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 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.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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), 2003 - April 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2003	165,378	5,846	0.72	20.39	5.31	82.7	5,663,023	5,500,704	5.39	5.55	86.8	2.28
2004	196,606	6,967	0.83	23.48	5.08	79.9	5,890,750	5,734,054	5.96	6.12	85.2	2.48
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	4.75	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.30
2012	139,210	4,858	2.54	72.79	5.43	101.0	10,872,094	10,631,822	3.40	3.48	102.5	2.90
2011												
January	12,896	454	3.13	88.98	4.92	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	4.56	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.45	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.38	103.3	650,493	637,322	4.86	4.96	104.5	3.29
May	13,128	459	3.31	94.62	4.36	101.5	706,626	692,561	4.89	4.98	104.0	3.39
June	13,265	461	2.78	79.94	4.67	88.6	837,715	820,788	5.04	5.15	103.4	3.52
July	17,899	622	3.30	94.84	4.69	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.62
August	16,950	592	3.08	88.16	4.87	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.44
Sept	16,087	562	2.93	83.88	4.76	103.2	833,540	814,910	4.56	4.66	104.2	3.26
October	15,481	541	3.32	94.90	5.02	126.3	710,451	695,275	4.33	4.43	104.4	3.14
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.04
December	15,672	554	2.74	77.61	4.96	120.4	760,258	744,430	4.04	4.12	103.7	3.02
2012												
January	13,403	471	2.71	77.10	5.18	83.9	793,143	776,898	3.67	3.75	102.9	2.98
February	10,381	359	2.57	74.14	5.31	80.0	781,762	765,061	3.32	3.39	102.6	2.83
March	11,903	417	2.43	69.44	5.61	115.9	811,545	794,248	2.96	3.03	102.5	2.73
April	10,386	362	2.64	75.81	5.36	114.3	862,401	841,659	2.68	2.75	103.4	2.65
May	9,505	333	2.68	76.63	5.57	93.8	960,458	940,516	2.90	2.97	102.5	2.75
June	11,735	404	2.73	79.35	5.08	110.8	1,033,425	1,010,287	3.08	3.16	102.4	2.81
July	8,808	307	2.93	84.15	5.61	79.7	1,254,234	1,225,606	3.41	3.49	101.9	2.98
August	9,706	338	2.51	71.98	5.17	82.0	1,158,219	1,133,046	3.48	3.56	101.8	2.97
Sept	14,700	513	2.43	69.83	5.32	126.3	953,050	931,793	3.38	3.46	102.6	2.87
October	11,282	394	2.07	59.11	5.67	104.1	815,864	797,656	3.81	3.90	103.1	3.00
November	12,289	430	2.46	70.45	5.62	106.2	711,110	695,245	4.23	4.32	101.9	3.10
December	15,110	530	2.46	70.09	5.69	126.8	736,884	719,806	4.20	4.30	103.4	3.13
2013												
January	9,901	348	2.46	69.98	5.64	68.9	674,813	658,796	4.38	4.48	89.1	3.10
February	9,560	336	2.50	71.27	5.42	79.6	605,530	591,383	4.39	4.50	89.0	3.10
March	8,081	284	2.59	73.77	5.50	61.4	646,658	630,783	4.30	4.40	89.1	3.10
April	11,010	387	2.61	74.26	5.37	89.5	606,640	591,634	4.67	4.79	89.6	3.16
Year to Date												
2011	49,383	1,725	3.07	87.99	4.58	78.6	2,545,733	2,492,520	5.00	5.11	104.4	3.26
2012	46,074	1,609	2.59	74.16	5.36	95.4	3,248,851	3,177,867	3.15	3.22	102.8	2.80
2013	38,553	1,355	2.54	72.32	5.48	74.4	2,533,640	2,472,596	4.43	4.54	89.2	3.12
Rolling 12 Months Ending in April												
2012	167,790	5,864	2.90	82.96	4.97	105.1	9,953,769	9,741,511	4.14	4.23	103.3	3.15
2013	131,689	4,603	2.52	72.17	5.47	93.1	10,156,884	9,926,551	3.74	3.82	98.8	3.00

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
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See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 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 Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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, 2003 - April 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2003	15,292,394	746,594	1.26	25.82	0.91	98.6	605,651	95,534	4.68	29.66	0.95	90.7
2004	15,440,681	758,557	1.34	27.30	0.91	98.2	592,478	93,034	4.80	30.57	1.01	89.6
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,723,817	691,484	2.41	47.75	1.17	100.3	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,862,008	605,205	2.43	47.59	1.19	98.2	101,765	16,977	22.22	133.21	0.45	95.6
2011												
January	1,181,833	59,577	2.34	46.34	1.15	90.2	14,279	2,372	16.98	102.20	0.53	107.5
February	1,078,032	54,003	2.36	47.10	1.20	99.2	9,943	1,659	18.27	109.47	0.47	104.4
March	1,160,136	58,691	2.35	46.38	1.12	108.5	13,842	2,284	19.55	118.45	0.52	131.5
April	1,081,336	54,492	2.39	47.40	1.15	110.2	11,543	1,898	20.30	123.47	0.40	90.8
May	1,089,570	54,652	2.45	48.80	1.17	99.4	16,158	2,618	19.03	117.46	0.75	138.8
June	1,109,431	55,560	2.40	47.87	1.21	88.6	15,427	2,528	21.88	133.55	0.66	144.9
July	1,119,264	56,067	2.46	49.04	1.19	80.2	9,455	1,569	21.86	131.77	0.47	82.3
August	1,238,455	61,790	2.49	49.93	1.19	90.7	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,200,682	60,402	2.46	48.91	1.18	108.2	10,186	1,683	20.94	126.69	0.49	118.0
October	1,186,062	59,898	2.42	47.86	1.15	118.3	13,068	2,171	21.63	130.21	0.48	146.6
November	1,120,387	56,990	2.39	47.03	1.17	116.6	11,052	1,853	21.75	129.72	0.48	124.5
December	1,158,628	59,362	2.37	46.27	1.15	109.6	9,729	1,645	21.94	129.73	0.48	106.9
2012												
January	1,071,237	55,226	2.39	46.43	1.13	105.3	9,820	1,644	21.83	130.44	0.46	110.6
February	984,158	50,342	2.41	47.15	1.22	107.3	7,252	1,218	22.37	133.21	0.44	96.4
March	951,580	48,567	2.44	47.85	1.21	111.9	9,055	1,494	22.99	139.37	0.45	112.3
April	864,158	43,369	2.50	49.77	1.29	108.5	7,261	1,221	23.94	142.34	0.49	85.8
May	918,103	46,411	2.47	48.87	1.26	98.8	7,559	1,279	23.34	137.95	0.48	87.1
June	942,668	48,073	2.42	47.47	1.21	89.4	10,360	1,717	22.37	134.98	0.48	96.7
July	1,039,588	53,081	2.44	47.75	1.16	82.3	10,626	1,756	20.68	125.20	0.44	86.0
August	1,107,673	56,337	2.44	48.04	1.15	91.4	8,974	1,497	21.26	127.42	0.44	93.4
Sept	1,000,036	51,262	2.43	47.44	1.14	99.3	7,039	1,157	22.01	133.88	0.42	88.6
October	1,005,392	51,322	2.41	47.18	1.18	104.1	7,745	1,291	22.52	135.11	0.39	86.6
November	988,770	50,443	2.40	47.01	1.19	98.1	7,275	1,227	22.80	135.25	0.44	97.1
December	988,646	50,773	2.40	46.65	1.20	93.1	8,798	1,478	21.47	127.81	0.46	112.8
2013												
January	956,681	49,188	2.38	46.20	1.18	88.1	7,473	1,240	21.07	125.02	0.41	70.2
February	889,756	45,482	2.39	46.69	1.27	92.5	6,210	1,007	21.33	131.52	0.40	82.4
March	939,157	47,831	2.38	46.67	1.27	91.7	9,920	1,607	20.43	126.12	0.45	124.1
April	895,095	45,280	2.41	47.68	1.28	99.2	3,826	638	21.99	131.95	0.45	49.3
Year to Date												
2011	4,501,338	226,762	2.36	46.79	1.15	101.2	49,606	8,213	18.73	113.11	0.48	107.7
2012	3,871,133	197,504	2.43	47.70	1.21	108.1	33,389	5,576	22.72	136.04	0.46	101.4
2013	3,680,688	187,780	2.39	46.79	1.25	92.6	27,428	4,491	21.03	128.40	0.43	80.5
Rolling 12 Months Ending in April												
2012	13,093,612	662,225	2.43	48.06	1.19	102.2	128,038	21,222	21.54	129.94	0.53	113.4
2013	11,671,563	595,482	2.41	47.31	1.20	93.5	95,804	15,892	21.71	130.70	0.44	89.1

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Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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, 2003 - April 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2003	89,618	3,165	0.74	20.94	5.51	124.0	1,486,088	1,439,513	5.59	5.77	81.6	1.74
2004	107,985	3,817	0.89	25.15	5.10	92.0	1,542,746	1,499,933	6.15	6.33	82.9	1.87
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	4.72	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.09
2012	70,075	2,432	2.20	63.52	5.19	115.1	4,256,764	4,173,998	3.72	3.79	101.4	2.89
2011												
January	8,049	282	3.35	95.62	5.14	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	4.61	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	4.72	70.2	224,855	220,793	4.95	5.04	101.5	2.94
April	7,274	252	3.52	101.68	4.69	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	4.33	112.7	278,209	273,629	5.17	5.25	101.8	3.19
June	8,072	278	2.85	82.53	4.51	92.2	341,274	335,202	5.28	5.37	101.5	3.27
July	10,742	374	3.41	98.06	4.54	104.0	443,001	434,122	5.11	5.22	100.9	3.32
August	10,040	349	3.18	91.43	4.77	105.9	434,451	425,557	4.97	5.07	101.1	3.23
Sept	9,822	341	2.94	84.64	4.54	102.3	316,215	311,382	4.89	4.97	101.5	3.09
October	8,352	289	3.23	93.48	4.94	126.2	275,463	270,541	4.71	4.80	101.4	3.02
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.92
December	7,774	273	2.34	66.68	4.74	108.4	282,188	277,700	4.40	4.47	102.5	2.89
2012												
January	6,132	214	2.20	63.20	4.81	71.9	290,015	285,394	4.04	4.10	100.8	2.88
February	5,195	179	2.09	60.77	5.19	77.8	284,558	279,812	3.71	3.77	101.7	2.81
March	5,557	194	1.93	55.37	5.76	181.7	305,709	300,446	3.37	3.43	101.4	2.81
April	4,870	169	1.98	57.09	5.08	140.6	337,428	328,913	3.10	3.18	101.7	2.79
May	3,840	133	2.03	58.69	5.42	88.8	392,902	385,135	3.25	3.31	101.6	2.82
June	5,504	188	2.40	70.40	4.55	110.8	419,741	411,327	3.40	3.47	101.0	2.87
July	3,695	127	2.64	76.56	5.44	70.0	518,204	507,149	3.62	3.70	101.1	2.95
August	5,434	188	2.62	75.86	4.60	110.5	464,442	455,029	3.79	3.87	101.2	2.94
Sept	8,450	294	2.50	71.95	4.89	156.6	373,691	366,571	3.72	3.80	101.2	2.88
October	7,203	251	2.07	59.25	5.53	161.4	317,850	312,024	4.16	4.24	101.9	2.94
November	6,304	221	2.00	57.04	5.51	126.3	270,992	265,923	4.49	4.58	101.4	2.96
December	7,891	276	2.05	58.55	5.55	162.2	281,232	276,274	4.47	4.55	102.6	2.98
2013												
January	6,816	237	1.97	56.67	5.52	93.7	285,185	279,321	4.37	4.47	97.9	2.93
February	7,272	254	2.05	58.54	5.32	115.4	257,588	252,611	4.31	4.39	97.6	2.91
March	5,449	190	2.00	57.27	5.37	80.5	277,941	271,949	4.47	4.57	97.7	2.99
April	8,309	291	2.23	63.79	5.23	133.8	254,221	248,814	4.90	5.00	97.4	3.02
Year to Date												
2011	29,584	1,027	3.31	95.26	4.80	81.7	949,828	932,806	5.25	5.34	102.6	3.01
2012	21,754	755	2.06	59.25	5.20	100.2	1,217,710	1,194,565	3.53	3.60	101.4	2.82
2013	27,846	972	2.07	59.40	5.35	104.9	1,074,935	1,052,696	4.51	4.60	97.7	2.96
Rolling 12 Months Ending in April												
2012	91,377	3,173	2.76	79.61	4.81	107.7	3,839,230	3,769,373	4.47	4.56	101.5	3.03
2013	76,168	2,649	2.20	63.23	5.25	115.9	4,113,989	4,032,128	3.98	4.06	100.4	2.93

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Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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, 2003 - April 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2003	4,365,996	223,984	1.34	26.20	1.15	90.4	347,546	56,138	5.41	33.50	0.58	89.7
2004	4,410,775	227,700	1.41	27.27	1.13	93.3	337,011	54,152	5.35	33.31	0.61	93.6
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,137,034	222,814	2.27	42.17	1.44	107.0	28,606	4,914	22.26	129.62	0.46	99.1
2011												
January	381,239	20,717	2.23	40.96	1.20	86.5	4,653	783	17.44	103.58	0.56	71.2
February	336,384	18,030	2.26	42.18	1.29	94.7	3,276	560	18.64	108.99	0.77	118.7
March	363,257	19,787	2.26	41.58	1.19	107.9	2,270	392	21.18	122.73	0.55	92.1
April	330,831	17,944	2.28	42.03	1.21	102.6	3,235	550	21.43	126.18	0.27	144.8
May	348,283	18,569	2.32	43.58	1.33	101.0	2,752	466	21.66	127.89	0.59	108.5
June	330,390	17,898	2.34	43.25	1.23	84.4	3,232	553	20.81	121.69	0.48	87.0
July	351,423	19,120	2.35	43.14	1.24	79.4	5,604	955	21.18	124.33	0.40	91.4
August	386,958	20,994	2.34	43.11	1.26	87.9	2,883	497	16.66	96.71	0.49	86.7
Sept	377,183	20,755	2.31	42.04	1.25	100.2	2,674	462	22.29	129.10	0.53	107.1
October	379,229	20,611	2.25	41.35	1.27	109.6	3,946	655	20.28	122.12	0.52	178.5
November	357,960	19,649	2.24	40.77	1.24	108.9	3,617	635	20.57	117.22	0.44	175.8
December	349,148	19,221	2.18	39.64	1.23	100.0	3,457	589	22.35	131.11	0.47	140.6
2012												
January	395,909	21,374	2.47	45.69	1.35	117.1	3,281	553	22.44	133.05	0.41	129.6
February	341,535	18,131	2.30	43.41	1.49	114.5	2,052	350	23.38	137.28	0.45	115.8
March	308,388	16,328	2.23	42.12	1.41	117.5	1,255	214	23.38	137.18	0.57	79.5
April	285,836	15,226	2.19	41.10	1.39	129.2	1,673	288	24.29	141.28	0.48	97.4
May	309,477	16,715	2.27	41.99	1.42	105.1	2,294	393	23.23	135.75	0.44	83.8
June	328,369	17,858	2.19	40.28	1.59	100.1	2,945	501	21.41	125.93	0.45	81.0
July	337,466	18,544	2.28	41.44	1.34	84.5	2,719	466	20.63	120.35	0.51	71.5
August	371,102	20,042	2.29	42.41	1.46	95.4	2,170	375	21.92	126.67	0.44	85.0
Sept	360,763	19,635	2.22	40.78	1.44	110.9	1,790	309	22.99	133.15	0.47	90.2
October	366,972	19,797	2.23	41.37	1.44	114.6	2,177	376	23.20	134.14	0.46	97.9
November	375,180	20,159	2.26	42.07	1.47	109.8	2,794	473	22.86	134.92	0.42	115.9
December	356,038	19,006	2.28	42.70	1.53	103.0	3,456	616	20.20	113.42	0.49	175.3
2013												
January	317,040	17,204	2.20	40.45	1.42	90.0	3,048	512	21.27	126.99	0.54	50.0
February	280,272	15,207	2.16	39.84	1.50	84.9	4,368	716	20.75	126.99	0.51	120.6
March	306,254	16,226	2.25	42.38	1.58	89.1	4,003	658	19.62	119.28	0.41	202.1
April	291,480	15,251	2.22	42.45	1.61	100.4	2,068	349	W	W	0.44	99.6
Year to Date												
2011	1,411,711	76,478	2.26	41.66	1.22	97.0	13,433	2,285	19.32	113.63	0.54	96.2
2012	1,331,668	71,059	2.31	43.31	1.41	118.9	8,261	1,404	23.19	136.42	0.46	108.6
2013	1,195,047	63,888	2.21	41.27	1.52	90.7	13,488	2,235	20.56	124.28	0.46	97.5
Rolling 12 Months Ending in April												
2012	4,212,241	227,876	2.30	42.47	1.30	101.7	36,427	6,216	21.32	124.92	0.47	111.9
2013	4,000,413	215,644	2.24	41.53	1.48	98.5	33,832	5,744	W	W	0.47	96.4

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - April 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2003	59,377	2,086	0.60	17.16	4.88	64.3	3,335,086	3,244,368	5.33	5.48	96.2	3.15
2004	73,745	2,609	0.72	20.30	4.95	81.0	3,491,942	3,403,474	5.86	6.01	93.1	3.43
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	26,597	926	3.14	90.22	5.38	111.9	5,160,058	5,037,420	3.22	3.30	100.3	2.86
2011												
January	1,730	60	W	W	4.24	46.8	309,865	303,301	5.59	5.71	100.7	W
February	1,809	64	W	W	4.21	52.2	283,811	277,469	5.06	5.17	100.9	W
March	2,563	89	W	W	3.37	54.8	271,713	265,931	4.57	4.67	100.6	W
April	3,046	106	2.36	67.43	3.57	103.0	284,857	278,599	4.71	4.82	100.4	3.49
May	3,339	116	2.44	70.04	4.01	103.9	312,436	305,861	4.75	4.85	100.9	3.54
June	2,623	92	1.99	56.95	4.81	78.6	379,462	371,553	4.95	5.05	100.7	3.80
July	3,119	107	2.39	69.60	4.60	75.3	520,203	508,834	4.94	5.05	100.1	4.00
August	3,166	110	W	W	4.84	90.6	515,581	504,743	4.57	4.67	100.9	W
Sept	2,511	88	W	W	4.87	83.4	391,415	382,298	4.39	4.49	101.3	W
October	3,603	126	W	W	5.08	139.5	320,549	313,229	4.12	4.22	101.6	W
November	2,652	94	W	W	5.52	108.9	308,988	301,865	3.92	4.01	100.5	W
December	3,483	123	W	W	5.08	125.6	353,160	344,934	3.86	3.95	100.6	W
2012												
January	3,243	114	W	W	5.40	119.3	376,574	368,088	3.50	3.58	100.8	W
February	2,701	94	W	W	5.18	108.2	379,546	370,578	3.13	3.21	99.5	W
March	2,988	104	W	W	5.33	120.0	387,419	378,379	2.73	2.79	99.4	W
April	1,982	69	W	W	5.46	165.3	408,056	398,841	2.41	2.46	100.7	W
May	1,978	68	W	W	5.65	120.0	449,118	438,865	2.71	2.78	100.2	W
June	2,703	93	3.32	96.41	5.18	181.5	491,373	479,802	2.90	2.97	100.5	2.68
July	2,507	88	3.46	98.73	5.41	137.2	607,765	593,781	3.31	3.38	100.3	2.99
August	1,149	40	1.79	51.74	5.37	46.2	570,234	556,749	3.29	3.37	99.9	2.94
Sept	1,924	67	1.85	53.44	5.42	96.1	461,763	450,531	3.21	3.29	101.3	2.82
October	991	34	1.32	38.14	5.29	52.1	378,484	368,999	3.66	3.75	101.0	3.01
November	1,980	69	W	W	5.36	120.3	322,250	314,249	4.18	4.28	99.6	W
December	2,451	85	W	W	5.58	130.1	327,475	318,558	4.09	4.21	100.7	W
2013												
January	1,444	52	W	W	5.37	65.3	327,948	319,357	4.54	4.66	92.8	W
February	1,424	51	W	W	5.39	71.7	288,756	281,339	4.68	4.80	91.5	W
March	1,474	53	W	W	5.36	68.3	305,651	297,974	4.33	4.44	92.0	W
April	1,507	54	W	W	5.44	73.8	294,213	286,246	4.56	4.68	93.0	W
Year to Date												
2011	9,148	319	2.21	63.15	3.77	61.8	1,150,246	1,125,300	5.00	5.11	100.7	3.57
2012	10,914	382	W	W	5.34	122.5	1,551,597	1,515,885	2.93	3.00	100.1	W
2013	5,849	210	W	W	5.39	69.7	1,216,568	1,184,916	4.53	4.64	92.3	W
Rolling 12 Months Ending in April												
2012	35,409	1,237	W	W	4.99	104.6	4,653,391	4,549,202	3.96	4.05	100.5	W
2013	21,531	754	W	W	5.41	92.2	4,825,030	4,706,451	3.65	3.74	98.3	W

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Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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, 2003 - April 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2003	8,835	372	1.99	47.24	2.43	20.5	248	43	7.00	40.82	0.04	3.1
2004	10,682	451	2.08	49.32	2.48	23.5	3,066	527	6.19	35.96	0.20	26.9
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	30,706	1,470	2.78	58.14	1.86	94.9	1,985	335	21.71	128.81	0.50	140.3
2011												
January	3,297	155	2.80	59.41	1.84	82.3	NM	NM	NM	NM	0.62	49.1
February	3,289	154	2.88	61.47	1.79	88.9	NM	NM	NM	NM	0.63	104.3
March	3,388	161	2.79	58.87	1.74	97.7	NM	NM	NM	NM	0.55	165.7
April	2,649	126	2.79	58.65	1.92	101.9	NM	NM	NM	NM	0.30	160.4
May	2,730	127	3.08	66.22	1.75	102.4	NM	NM	NM	NM	0.72	127.4
June	3,222	147	3.16	68.99	1.79	113.1	NM	NM	NM	NM	0.65	215.3
July	2,954	137	3.04	65.63	1.90	94.3	NM	NM	NM	NM	0.43	171.7
August	2,881	132	3.12	68.18	1.88	101.9	NM	NM	NM	NM	0.51	126.1
Sept	2,710	126	3.01	64.84	1.80	102.8	NM	NM	NM	NM	0.53	71.7
October	2,789	136	2.74	56.21	1.56	123.7	NM	NM	NM	NM	0.52	225.0
November	2,922	140	2.82	58.95	1.72	119.0	NM	NM	NM	NM	0.52	101.0
December	3,061	145	2.87	60.55	1.71	104.4	NM	NM	NM	NM	0.51	163.2
2012												
January	2,978	143	2.80	58.33	1.79	88.2	NM	NM	21.55	129.06	0.50	106.2
February	2,576	125	2.69	55.65	1.80	88.2	NM	NM	22.45	133.84	0.50	115.0
March	2,695	132	2.72	55.65	1.73	97.7	NM	NM	NM	NM	0.50	77.4
April	2,537	121	2.95	61.89	1.64	105.1	461	78	21.60	127.42	0.50	494.5
May	NM	NM	NM	NM	1.87	94.6	NM	NM	22.65	134.28	0.51	327.9
June	2,500	118	2.89	61.39	2.03	103.1	NM	NM	20.67	121.71	0.51	86.5
July	2,450	117	2.81	58.75	1.87	99.1	NM	NM	NM	NM	0.49	69.2
August	2,656	124	2.93	62.73	2.10	98.3	NM	NM	21.85	129.18	0.50	108.1
Sept	2,453	118	2.73	56.63	1.83	102.0	NM	NM	22.66	134.24	0.49	77.7
October	2,068	99	2.72	56.58	1.86	86.7	120	20	23.08	135.32	0.47	99.8
November	2,591	124	2.64	55.11	1.83	92.4	NM	NM	NM	NM	0.50	113.8
December	2,795	135	2.63	54.39	1.91	89.3	NM	NM	NM	NM	0.55	157.4
2013												
January	390	17	W	W	2.99	10.9	0	0	--	--	--	0.0
February	394	17	W	W	3.07	11.6	0	0	--	--	--	0.0
March	489	21	W	W	2.74	15.0	0	0	--	--	--	0.0
April	241	10	W	W	3.04	9.1	0	0	--	--	--	0.0
Year to Date												
2011	12,623	596	2.82	59.64	1.82	91.7	NM	NM	18.18	110.11	0.58	82.1
2012	10,786	520	2.79	57.83	1.74	94.0	745	126	21.65	128.47	0.50	196.5
2013	1,514	65	W	W	2.94	11.7	0	0	--	--	--	0.0
Rolling 12 Months Ending in April												
2012	34,055	1,609	2.92	61.78	1.76	102.5	NM	NM	NM	NM	0.52	157.3
2013	NM	NM	W	W	1.98	65.5	NM	NM	NM	NM	0.51	75.8

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Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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: Commerical Sector, 2003 - April 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2003	0	0	--	--	--	0.0	18,169	17,827	4.96	5.06	30.5	4.02
2004	0	0	--	--	--	0.0	16,176	15,804	5.93	6.07	21.9	4.58
2005	0	0	--	--	--	0.0	17,600	17,142	8.38	8.60	25.2	6.25
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	363	13	W	W	5.61	100.3	100,769	98,515	3.91	4.00	104.9	W
2011												
January	42	1	W	W	5.16	98.3	NM	NM	6.00	6.13	107.7	W
February	36	1	W	W	5.29	105.1	NM	NM	5.76	5.88	108.6	W
March	34	1	W	W	5.54	81.8	NM	NM	5.46	5.58	107.0	W
April	NM	NM	W	W	5.45	0.0	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.83	0.0	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.83	0.0	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.83	0.0	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.83	0.0	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.83	0.0	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.27	0.0	NM	NM	4.87	4.98	107.5	W
November	NM	NM	W	W	5.34	62.8	NM	NM	4.68	4.77	110.3	W
December	44	2	W	W	5.29	98.8	NM	NM	4.61	4.70	109.0	W
2012												
January	46	2	W	W	5.22	97.8	NM	NM	4.37	4.46	104.0	W
February	45	2	W	W	5.43	114.1	NM	NM	NM	NM	106.9	W
March	36	1	W	W	5.70	96.2	NM	NM	3.65	3.73	105.7	W
April	NM	NM	W	W	5.33	115.7	NM	NM	NM	NM	105.5	W
May	0	0	--	--	--	0.0	NM	NM	NM	NM	104.6	NM
June	0	0	--	--	--	0.0	NM	NM	NM	NM	103.4	NM
July	27	1	W	W	5.77	79.1	NM	NM	3.69	3.78	103.8	W
August	41	1	W	W	5.77	103.3	NM	NM	NM	NM	102.7	W
Sept	37	1	W	W	5.69	94.4	NM	NM	NM	NM	105.4	W
October	42	1	W	W	5.68	97.7	NM	NM	NM	NM	105.3	W
November	41	1	W	W	5.63	102.9	NM	NM	4.72	4.84	105.3	W
December	NM	NM	W	W	5.70	112.9	8,350	8,136	4.77	4.89	106.5	W
2013												
January	0	0	--	--	--	0.0	362	358	W	W	4.4	W
February	0	0	--	--	--	0.0	361	357	W	W	5.0	W
March	0	0	--	--	--	0.0	382	378	W	W	4.8	W
April	0	0	--	--	--	0.0	375	371	W	W	5.4	W
Year to Date												
2011	122	4	W	W	5.33	104.0	NM	NM	5.67	5.79	107.4	W
2012	129	5	W	W	5.43	102.8	NM	NM	3.84	3.92	105.5	W
2013	0	0	--	--	--	0.0	1,479	1,465	W	W	4.9	W
Rolling 12 Months Ending in April												
2012	NM	NM	W	W	5.50	97.7	NM	NM	NM	NM	106.6	W
2013	NM	NM	W	W	5.70	61.0	NM	NM	W	W	71.9	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - April 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2003	322,547	15,076	1.45	31.01	1.37	60.7	27,538	4,624	4.85	28.86	1.25	23.2
2004	326,495	15,324	1.63	34.79	1.43	57.6	25,491	4,107	4.98	30.93	1.38	18.5
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	429,418	20,178	3.00	63.83	1.47	97.4	19,460	3,259	19.08	113.89	0.92	143.3
2011												
January	41,774	1,929	2.88	62.38	1.31	92.7	3,443	575	15.11	90.47	1.33	124.6
February	36,699	1,689	2.89	62.91	1.34	93.8	2,346	394	15.91	94.86	1.27	114.7
March	38,893	1,813	2.86	61.26	1.36	95.8	2,408	404	17.46	104.16	1.16	129.5
April	38,978	1,827	2.93	62.47	1.28	102.3	2,648	446	17.97	106.58	0.86	173.1
May	36,984	1,731	2.97	63.47	1.27	94.3	NM	NM	NM	NM	1.16	225.1
June	39,329	1,826	2.93	63.01	1.34	99.1	2,628	447	19.51	114.66	0.93	176.7
July	39,487	1,850	2.96	63.18	1.32	95.1	1,869	318	19.19	112.81	0.99	141.5
August	44,259	2,057	3.01	64.88	1.36	104.8	1,840	308	16.33	97.49	1.08	132.6
Sept	40,384	1,886	2.91	62.21	1.35	105.5	1,785	301	18.39	109.02	1.02	129.7
October	38,861	1,824	2.94	62.68	1.30	104.4	2,410	407	18.70	110.71	0.87	143.6
November	38,803	1,816	2.94	62.81	1.39	106.1	NM	NM	18.91	110.85	0.99	154.1
December	41,657	1,957	2.96	62.90	1.33	101.7	1,957	329	19.58	116.55	1.15	122.4
2012												
January	39,280	1,854	3.03	64.18	1.43	97.0	1,841	306	19.75	118.70	1.02	131.1
February	33,264	1,577	2.92	61.56	1.46	92.3	1,442	240	19.97	120.07	0.96	124.7
March	34,377	1,622	3.03	64.27	1.39	95.0	1,623	273	16.23	96.58	1.00	134.7
April	33,592	1,566	3.04	65.23	1.53	101.6	1,194	199	20.37	122.45	0.94	90.2
May	34,191	1,593	3.08	66.12	1.56	94.3	1,818	302	19.73	118.75	0.85	166.7
June	34,331	1,597	3.02	64.88	1.61	97.7	1,406	236	19.04	113.35	0.91	111.9
July	36,642	1,731	2.99	63.27	1.46	97.7	NM	NM	17.93	106.67	0.89	149.6
August	40,223	1,884	2.96	63.29	1.52	103.1	2,165	361	18.75	112.52	0.92	214.2
Sept	35,934	1,687	3.00	63.85	1.40	104.6	1,071	178	19.94	119.95	1.11	113.0
October	36,631	1,727	3.00	63.55	1.43	96.2	1,160	197	20.81	122.57	0.82	93.8
November	35,384	1,671	2.97	62.84	1.41	96.7	1,769	295	19.58	117.23	0.80	192.4
December	35,570	1,669	2.96	63.09	1.45	93.3	NM	NM	NM	NM	0.92	246.8
2013												
January	16,007	713	W	W	1.42	40.5	286	47	18.25	111.87	1.67	19.0
February	14,559	642	W	W	1.53	39.5	199	33	18.09	110.10	1.38	17.9
March	16,525	739	W	W	1.41	43.6	255	41	18.33	114.33	1.69	24.4
April	15,446	677	W	W	1.55	44.9	209	34	W	W	1.73	18.4
Year to Date												
2011	156,344	7,258	2.89	62.25	1.32	96.0	10,845	1,819	16.51	98.41	1.16	132.3
2012	140,513	6,619	3.01	63.83	1.45	96.4	6,099	1,017	18.98	113.83	0.98	119.9
2013	62,537	2,770	W	W	1.48	42.0	949	154	18.22	112.21	1.65	19.7
Rolling 12 Months Ending in April												
2012	460,277	21,565	2.97	63.37	1.37	99.7	NM	NM	NM	NM	1.02	143.3
2013	351,442	16,329	W	W	1.48	79.9	NM	NM	W	W	0.94	108.5

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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.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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, 2003 - April 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2003	16,383	594	1.04	28.74	5.73	47.3	823,681	798,996	5.32	5.48	69.9	4.20
2004	14,876	540	0.98	27.01	5.59	40.4	839,886	814,843	6.04	6.22	68.4	4.76
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	42,174	1,487	W	W	5.86	80.0	1,354,503	1,321,890	3.03	3.10	116.0	W
2011												
January	3,075	110	3.16	88.56	4.70	96.3	112,015	109,254	4.54	4.65	122.0	4.31
February	2,430	86	2.99	83.98	4.66	84.3	99,431	96,876	4.55	4.67	120.3	4.28
March	2,687	95	3.24	91.51	4.75	100.0	102,958	100,259	4.08	4.19	122.8	3.96
April	2,336	83	W	W	4.46	78.3	103,922	101,255	4.43	4.55	122.0	W
May	2,259	81	W	W	4.97	74.5	108,328	105,579	4.53	4.65	121.4	W
June	2,558	91	W	W	5.03	88.9	109,529	106,731	4.61	4.74	121.7	W
July	4,019	141	W	W	5.13	144.0	120,609	117,663	4.62	4.73	121.0	W
August	3,728	132	W	W	5.17	140.7	126,012	122,745	4.48	4.60	123.4	W
Sept	3,738	132	W	W	5.27	125.0	117,462	112,976	4.19	4.36	124.7	W
October	3,512	126	W	W	5.17	114.9	106,879	104,110	3.96	4.06	123.2	W
November	3,267	117	W	W	5.29	113.3	109,257	106,529	3.69	3.78	123.8	W
December	4,372	156	W	W	5.25	143.8	115,575	112,652	3.67	3.76	117.9	W
2012												
January	3,983	141	W	W	5.58	84.9	117,321	114,370	3.27	3.35	116.6	W
February	2,440	85	W	W	5.70	64.9	108,720	105,929	2.92	3.00	117.5	W
March	3,323	117	W	W	5.60	71.2	109,958	107,145	2.63	2.70	118.9	W
April	3,531	125	W	W	5.68	80.2	108,912	106,067	2.38	2.44	121.4	W
May	3,687	131	W	W	5.67	88.8	110,619	108,849	2.44	2.48	117.3	W
June	3,528	123	2.80	80.06	5.84	85.6	114,191	111,229	2.70	2.78	117.8	2.93
July	2,580	91	W	W	6.06	65.8	119,298	115,922	3.01	3.10	114.9	W
August	3,082	109	W	W	6.08	70.5	115,376	113,292	3.16	3.22	115.9	W
Sept	4,290	151	W	W	6.10	102.2	109,179	106,460	2.91	2.98	114.3	W
October	3,046	107	W	W	6.11	68.9	111,111	108,408	3.29	3.37	114.4	W
November	3,964	139	W	W	5.94	81.1	109,992	107,380	3.68	3.77	110.6	W
December	4,722	167	W	W	5.97	92.4	119,827	116,838	3.85	3.95	113.6	W
2013												
January	1,642	59	W	W	6.34	34.4	61,318	59,759	W	W	58.9	W
February	863	31	W	W	6.39	23.8	58,825	57,075	W	W	62.6	W
March	1,159	41	W	W	6.25	27.7	62,684	60,482	W	W	61.6	W
April	1,194	43	W	W	6.25	30.0	57,831	56,203	W	W	62.5	W
Year to Date												
2011	10,529	375	W	W	4.65	89.6	418,325	407,644	4.40	4.52	121.8	W
2012	13,276	468	W	W	5.63	75.8	444,911	433,511	2.81	2.88	118.5	W
2013	4,858	173	W	W	6.31	29.4	240,658	233,519	W	W	61.3	W
Rolling 12 Months Ending in April												
2012	40,728	1,444	W	W	5.32	99.8	1,358,562	1,322,495	3.76	3.86	120.9	W
2013	33,756	1,192	W	W	6.01	65.1	1,150,251	1,121,898	W	W	97.2	W

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Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), 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 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	183	82	121.0%	69	33	112	43	0	0	2	NM
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	3	95.0%	0	0	4	1	0	0	2	2
Massachusetts	109	47	133.0%	0	0	109	42	0	0	0	NM
New Hampshire	69	33	108.0%	69	33	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,945	2,912	1.1%	0	NM	2,907	2,813	0	NM	38	96
New Jersey	53	60	-11.0%	0	0	53	60	0	0	0	0
New York	238	50	381.0%	0	NM	206	NM	0	NM	32	24
Pennsylvania	2,654	2,803	-5.3%	0	0	2,648	2,730	0	NM	6	NM
East North Central	14,268	13,150	8.5%	9,545	7,761	4,494	4,956	4	39	225	395
Illinois	4,168	4,444	-6.2%	404	404	3,619	3,799	0	NM	145	236
Indiana	2,785	2,667	4.4%	2,575	2,271	209	377	0	10	0	NM
Michigan	2,305	1,368	69.0%	2,272	1,330	20	NM	4	18	9	NM
Ohio	3,249	3,331	-2.5%	2,583	2,510	645	780	0	NM	21	41
Wisconsin	1,761	1,341	31.0%	1,711	1,246	0	0	0	NM	50	90
West North Central	9,285	9,413	-1.4%	9,202	9,059	0	0	6	22	76	332
Iowa	1,322	1,900	-30.0%	1,245	1,682	0	0	0	18	76	200
Kansas	1,316	1,209	8.9%	1,316	1,209	0	0	0	0	0	0
Minnesota	1,124	713	58.0%	1,124	643	0	0	0	NM	0	NM
Missouri	2,871	2,911	-1.4%	2,865	2,898	0	0	6	3	0	NM
Nebraska	860	1,010	-15.0%	860	972	0	0	0	0	0	NM
North Dakota	1,656	1,592	4.0%	1,656	1,576	0	0	0	0	0	NM
South Dakota	136	78	74.0%	136	78	0	0	0	0	0	0
South Atlantic	8,336	9,462	-12.0%	6,692	7,847	1,500	1,316	0	NM	144	293
Delaware	46	14	228.0%	0	0	46	14	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,479	1,515	-2.4%	1,427	1,440	52	52	0	0	0	23
Georgia	1,190	1,969	-40.0%	1,143	1,903	0	0	0	0	47	66
Maryland	439	323	36.0%	0	0	407	297	0	0	32	26
North Carolina	1,316	1,574	-16.0%	1,316	1,455	0	78	0	3	0	37
South Carolina	788	1,175	-33.0%	779	1,148	0	NM	0	0	9	15
Virginia	639	501	28.0%	535	356	66	48	0	NM	38	94
West Virginia	2,438	2,392	2.0%	1,491	1,544	929	815	0	0	18	32
East South Central	7,357	7,012	4.9%	6,930	6,629	298	206	0	NM	129	174
Alabama	1,800	1,928	-6.6%	1,800	1,892	0	NM	0	0	0	32
Kentucky	3,408	3,139	8.6%	3,408	3,139	0	0	0	0	0	0
Mississippi	503	519	-3.2%	204	317	298	202	0	0	0	0
Tennessee	1,645	1,426	15.0%	1,516	1,281	0	0	0	NM	129	141
West South Central	10,627	10,251	3.7%	5,660	5,091	4,967	5,097	0	0	0	NM
Arkansas	1,362	1,215	12.0%	1,264	958	98	247	0	0	0	NM
Louisiana	923	1,033	-11.0%	406	388	517	643	0	0	0	NM
Oklahoma	1,388	1,254	11.0%	1,296	1,167	92	53	0	0	0	NM
Texas	6,953	6,749	3.0%	2,693	2,577	4,260	4,154	0	0	0	NM
Mountain	8,043	7,606	5.8%	7,126	6,929	887	539	0	0	30	137
Arizona	1,514	1,821	-17.0%	1,514	1,793	0	0	0	0	0	NM
Colorado	1,517	1,550	-2.1%	1,517	1,532	0	18	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	825	448	84.0%	0	NM	825	427	0	0	0	NM
Nevada	292	223	31.0%	230	193	61	30	0	0	0	0
New Mexico	940	796	18.0%	940	796	0	0	0	0	0	0
Utah	1,126	1,032	9.1%	1,096	982	0	NM	0	0	30	19
Wyoming	1,829	1,727	5.9%	1,829	1,616	0	NM	0	0	0	78
Pacific Contiguous	117	242	-52.0%	56	0	28	179	0	0	33	64
California	33	103	-68.0%	0	0	0	47	0	0	33	56
Oregon	56	0	--	56	0	0	0	0	0	0	0
Washington	28	139	-80.0%	0	0	28	131	0	0	0	8
Pacific Noncontiguous	58	150	-62.0%	0	NM	58	77	0	47	0	NM
Alaska	0	80	-100.0%	0	NM	0	NM	0	47	0	0
Hawaii	58	70	-18.0%	0	0	58	63	0	0	0	NM
U.S. Total	61,218	60,281	1.6%	45,280	43,369	15,251	15,226	10	121	677	1,566

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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) April 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	1,067	590	81.0%	327	169	727	397	0	0	13	24
Connecticut	70	14	416.0%	0	0	70	14	0	0	0	0
Maine	33	16	106.0%	0	0	20	9	0	0	13	7
Massachusetts	637	391	63.0%	0	0	637	374	0	0	0	NM
New Hampshire	327	169	93.0%	327	169	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	11,090	14,733	-25.0%	0	NM	10,942	14,287	0	NM	149	433
New Jersey	267	232	15.0%	0	0	267	232	0	0	0	0
New York	971	640	52.0%	0	NM	858	520	0	NM	113	113
Pennsylvania	9,852	13,861	-29.0%	0	0	9,816	13,535	0	NM	36	319
East North Central	55,822	59,000	-5.4%	36,317	35,947	18,568	21,356	27	148	910	1,548
Illinois	18,021	20,102	-10.0%	1,944	1,881	15,443	17,248	0	30	635	942
Indiana	11,321	12,285	-7.8%	10,520	11,037	801	1,155	0	60	0	33
Michigan	7,151	6,987	2.4%	7,060	6,830	20	20	27	36	43	102
Ohio	12,914	13,340	-3.2%	10,518	10,237	2,304	2,934	0	NM	92	166
Wisconsin	6,414	6,287	2.0%	6,274	5,962	0	0	0	19	140	306
West North Central	42,286	46,751	-9.6%	41,845	45,142	0	0	38	100	403	1,508
Iowa	6,103	8,491	-28.0%	5,700	7,564	0	0	0	71	403	856
Kansas	5,849	6,164	-5.1%	5,849	6,164	0	0	0	0	0	0
Minnesota	4,381	4,204	4.2%	4,381	3,857	0	0	0	NM	0	340
Missouri	13,423	14,942	-10.0%	13,386	14,879	0	0	38	22	0	41
Nebraska	4,649	4,963	-6.3%	4,649	4,773	0	0	0	0	0	190
North Dakota	7,244	7,510	-3.5%	7,244	7,428	0	0	0	0	0	NM
South Dakota	637	477	34.0%	637	477	0	0	0	0	0	0
South Atlantic	33,909	40,834	-17.0%	27,215	32,799	6,174	6,755	0	34	521	1,246
Delaware	193	204	-5.3%	0	0	193	204	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,513	5,860	-5.9%	5,397	5,544	116	224	0	0	0	92
Georgia	5,683	7,970	-29.0%	5,554	7,742	0	0	0	0	129	228
Maryland	2,184	2,136	2.2%	0	0	2,054	2,008	0	0	129	128
North Carolina	4,911	6,829	-28.0%	4,911	6,353	0	311	0	18	0	147
South Carolina	3,055	4,759	-36.0%	3,017	4,619	0	46	0	0	38	94
Virginia	2,261	2,040	11.0%	1,950	1,426	164	221	0	NM	147	378
West Virginia	10,110	11,035	-8.4%	6,386	7,115	3,646	3,741	0	0	77	180
East South Central	28,532	27,164	5.0%	26,683	25,327	1,317	1,087	0	NM	531	735
Alabama	6,789	7,672	-12.0%	6,789	7,536	0	NM	0	0	0	121
Kentucky	13,231	12,928	2.3%	13,231	12,928	0	0	0	0	0	0
Mississippi	1,997	2,016	-1.0%	680	944	1,317	1,072	0	0	0	0
Tennessee	6,515	4,548	43.0%	5,984	3,919	0	0	0	NM	531	614
West South Central	45,323	49,213	-7.9%	23,988	26,700	21,335	22,224	0	0	0	288
Arkansas	5,282	6,199	-15.0%	4,758	5,108	524	1,052	0	0	0	39
Louisiana	4,414	5,455	-19.0%	2,227	2,429	2,188	3,019	0	0	0	NM
Oklahoma	5,765	6,905	-17.0%	5,397	6,349	368	396	0	0	0	NM
Texas	29,861	30,653	-2.6%	11,606	12,814	18,255	17,757	0	0	0	NM
Mountain	34,437	34,692	-0.7%	30,697	30,572	3,695	3,553	0	0	45	566
Arizona	6,770	7,923	-15.0%	6,770	7,802	0	0	0	0	0	NM
Colorado	6,231	5,982	4.2%	6,231	5,911	0	72	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	3,428	3,072	12.0%	0	NM	3,428	2,968	0	0	0	NM
Nevada	653	672	-2.8%	386	461	267	211	0	0	0	0
New Mexico	4,776	4,296	11.0%	4,776	4,296	0	0	0	0	0	0
Utah	4,478	3,610	24.0%	4,433	3,432	0	138	0	0	45	40
Wyoming	8,101	9,096	-11.0%	8,101	8,580	0	165	0	0	0	351
Pacific Contiguous	1,801	2,125	-15.0%	708	748	895	1,136	0	0	198	241
California	240	416	-42.0%	0	0	42	214	0	0	198	202
Oregon	708	748	-5.3%	708	748	0	0	0	0	0	0
Washington	852	961	-11.0%	0	0	852	922	0	0	0	39
Pacific Noncontiguous	237	600	-61.0%	0	94	237	263	0	214	0	29
Alaska	0	379	-100.0%	0	94	0	NM	0	214	0	0
Hawaii	237	220	7.4%	0	0	237	191	0	0	0	29
U.S. Total	254,503	275,701	-7.7%	187,780	197,504	63,888	71,059	65	520	2,770	6,619

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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 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	21	NM	NM	0	NM	18	NM	0	NM	2	NM
Connecticut	2	NM	NM	0	NM	2	NM	0	0	0	NM
Maine	9	NM	NM	0	NM	7	NM	0	NM	2	NM
Massachusetts	10	NM	NM	0	NM	10	NM	0	NM	0	NM
New Hampshire	0	NM	NM	0	NM	0	NM	0	NM	0	NM
Rhode Island	0	NM	NM	0	NM	0	NM	0	NM	0	0
Vermont	0	NM	NM	0	NM	0	0	0	NM	0	0
Middle Atlantic	101	NM	NM	0	NM	97	NM	0	64	4	NM
New Jersey	3	NM	NM	0	NM	3	NM	0	NM	0	NM
New York	60	NM	NM	0	NM	56	NM	0	64	4	NM
Pennsylvania	38	NM	NM	0	NM	37	NM	0	NM	0	NM
East North Central	113	111	1.5%	99	92	13	12	0	NM	1	NM
Illinois	7	NM	NM	2	NM	5	9	0	NM	0	NM
Indiana	26	NM	NM	26	19	0	NM	0	NM	0	NM
Michigan	17	26	-33.0%	16	23	0	0	0	NM	1	1
Ohio	58	48	21.0%	50	44	7	NM	0	NM	0	1
Wisconsin	4	NM	NM	4	NM	0	0	0	NM	1	NM
West North Central	45	61	-27.0%	45	59	0	NM	0	NM	0	NM
Iowa	13	21	-36.0%	13	21	0	NM	0	NM	0	NM
Kansas	7	NM	NM	7	NM	0	0	0	0	0	0
Minnesota	2	NM	NM	2	NM	0	NM	0	NM	0	NM
Missouri	6	NM	NM	6	NM	0	NM	0	NM	0	0
Nebraska	8	5	61.0%	8	5	0	0	0	0	0	0
North Dakota	8	NM	NM	8	6	0	0	0	NM	0	NM
South Dakota	0	NM	NM	0	NM	0	NM	0	NM	0	0
South Atlantic	138	287	-52.0%	83	156	28	NM	0	NM	26	82
Delaware	2	NM	NM	0	NM	2	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	23	NM	NM	20	33	3	NM	0	0	0	NM
Georgia	27	55	-52.0%	18	30	0	NM	0	NM	9	25
Maryland	11	NM	NM	0	NM	11	NM	0	NM	0	3
North Carolina	23	38	-40.0%	23	21	0	NM	0	NM	0	17
South Carolina	22	30	-29.0%	7	14	0	0	0	NM	15	17
Virginia	24	48	-49.0%	9	37	12	NM	0	1	3	NM
West Virginia	7	20	-67.0%	7	20	0	0	0	0	0	0
East South Central	20	NM	NM	20	34	0	NM	0	0	0	NM
Alabama	5	20	-74.0%	5	10	0	NM	0	0	0	NM
Kentucky	9	NM	NM	9	NM	0	0	0	0	0	0
Mississippi	3	NM	NM	3	NM	0	0	0	0	0	NM
Tennessee	4	NM	NM	4	9	0	0	0	0	0	NM
West South Central	27	NM	NM	13	NM	15	4	0	NM	0	NM
Arkansas	8	NM	NM	5	0	3	1	0	0	0	NM
Louisiana	5	NM	NM	0	NM	5	1	0	0	0	NM
Oklahoma	1	NM	NM	1	NM	0	0	0	NM	0	0
Texas	14	NM	NM	7	NM	7	2	0	NM	0	NM
Mountain	31	39	-19.0%	30	35	2	NM	0	NM	0	NM
Arizona	8	9	-13.0%	8	9	0	0	0	NM	0	NM
Colorado	2	NM	NM	2	NM	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	1	NM	NM	0	NM	1	NM	0	0	0	0
Nevada	2	6	-70.0%	2	6	0	1	0	0	0	0
New Mexico	5	5	-0.2%	5	5	0	NM	0	0	0	NM
Utah	3	9	-71.0%	3	9	0	NM	0	0	0	0
Wyoming	9	3	187.0%	9	3	0	0	0	0	0	NM
Pacific Contiguous	0	NM	NM	0	4	0	NM	0	NM	0	NM
California	0	NM	NM	0	4	0	NM	0	NM	0	NM
Oregon	0	NM	NM	0	NM	0	0	0	NM	0	NM
Washington	0	NM	NM	0	NM	0	NM	0	NM	0	NM
Pacific Noncontiguous	525	992	-47.0%	348	818	177	134	0	NM	0	39
Alaska	0	118	-100.0%	0	108	0	0	0	NM	0	NM
Hawaii	525	875	-40.0%	348	710	177	134	0	NM	0	30
U.S. Total	1,020	1,785	-43.0%	638	1,221	349	288	0	78	34	199

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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) April 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	816	276	196.0%	105	NM	703	NM	0	NM	8	117
Connecticut	116	NM	NM	0	NM	116	NM	0	0	0	NM
Maine	370	177	109.0%	0	NM	362	NM	0	NM	8	111
Massachusetts	204	NM	NM	0	NM	204	NM	0	NM	0	NM
New Hampshire	105	NM	NM	105	NM	0	NM	0	NM	0	NM
Rhode Island	20	NM	NM	0	NM	20	NM	0	NM	0	0
Vermont	0	NM	NM	0	NM	0	0	0	NM	0	0
Middle Atlantic	842	868	-3.1%	166	277	661	442	0	71	14	NM
New Jersey	30	NM	NM	0	NM	30	NM	0	NM	0	NM
New York	654	659	-0.8%	166	275	474	251	0	69	14	NM
Pennsylvania	158	184	-14.0%	0	NM	158	173	0	NM	1	NM
East North Central	355	401	-11.0%	294	324	54	50	0	NM	8	NM
Illinois	35	45	-20.0%	10	NM	25	30	0	NM	0	NM
Indiana	80	76	5.0%	80	65	0	NM	0	NM	0	NM
Michigan	72	88	-18.0%	67	77	0	0	0	NM	5	4
Ohio	141	169	-16.0%	111	146	28	19	0	NM	2	4
Wisconsin	26	24	12.0%	25	22	1	NM	0	NM	1	NM
West North Central	164	204	-20.0%	164	195	0	NM	0	NM	0	NM
Iowa	39	52	-26.0%	39	51	0	NM	0	NM	0	NM
Kansas	29	NM	NM	29	NM	0	0	0	0	0	0
Minnesota	7	NM	NM	7	9	0	NM	0	NM	0	NM
Missouri	41	68	-40.0%	41	67	0	NM	0	NM	0	0
Nebraska	13	15	-13.0%	13	15	0	0	0	0	0	0
North Dakota	31	30	2.3%	31	26	0	0	0	NM	0	NM
South Dakota	5	NM	NM	5	NM	0	NM	0	NM	0	0
South Atlantic	972	1,231	-21.0%	703	618	145	NM	0	NM	124	468
Delaware	17	NM	NM	0	NM	17	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	393	NM	NM	388	118	5	NM	0	0	0	NM
Georgia	100	233	-57.0%	57	128	4	NM	0	NM	39	104
Maryland	50	118	-58.0%	0	NM	50	51	0	NM	0	61
North Carolina	140	205	-32.0%	91	120	49	NM	0	NM	0	84
South Carolina	106	196	-46.0%	35	110	0	0	0	NM	71	86
Virginia	103	169	-39.0%	71	80	20	35	0	2	13	NM
West Virginia	63	65	-3.4%	63	55	0	10	0	0	0	0
East South Central	357	182	96.0%	357	114	0	NM	0	0	0	NM
Alabama	76	85	-10.0%	76	27	0	NM	0	0	0	54
Kentucky	59	58	2.4%	59	58	0	0	0	0	0	0
Mississippi	3	NM	NM	3	NM	0	0	0	0	0	NM
Tennessee	219	NM	NM	219	25	0	0	0	0	0	NM
West South Central	91	101	-10.0%	30	41	61	45	0	NM	0	NM
Arkansas	16	33	-50.0%	5	20	12	9	0	0	0	NM
Louisiana	24	NM	NM	5	NM	18	7	0	0	0	NM
Oklahoma	1	NM	NM	1	NM	0	0	0	NM	0	0
Texas	50	49	3.1%	19	14	31	30	0	NM	0	NM
Mountain	131	168	-22.0%	126	152	5	13	0	NM	0	NM
Arizona	43	36	21.0%	43	34	0	0	0	NM	0	NM
Colorado	4	14	-74.0%	4	14	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	3	9	-63.0%	0	NM	3	6	0	0	0	0
Nevada	8	14	-46.0%	6	12	2	2	0	0	0	0
New Mexico	26	39	-33.0%	26	36	0	NM	0	0	0	NM
Utah	25	25	0.1%	25	25	0	NM	0	0	0	0
Wyoming	22	30	-27.0%	22	29	0	0	0	0	0	NM
Pacific Contiguous	20	121	-84.0%	15	23	5	NM	0	NM	0	NM
California	0	50	-100.0%	0	23	0	NM	0	NM	0	NM
Oregon	0	NM	NM	0	NM	0	0	0	NM	0	NM
Washington	20	NM	NM	15	NM	5	4	0	NM	0	NM
Pacific Noncontiguous	3,132	4,571	-31.0%	2,531	3,810	601	576	0	NM	0	179
Alaska	0	609	-100.0%	0	570	0	0	0	NM	0	34
Hawaii	3,132	3,962	-21.0%	2,531	3,240	601	576	0	2	0	145
U.S. Total	6,880	8,123	-15.0%	4,491	5,576	2,235	1,404	0	126	154	1,017

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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 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	NM	NM	0	0	0	NM	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	NM	NM	0	0	0	NM	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	67	84	-21.0%	0	0	54	52	0	0	13	NM
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3	NM	NM	0	0	3	0	0	0	0	NM
Ohio	51	64	-21.0%	0	0	51	52	0	0	0	NM
Wisconsin	13	12	12.0%	0	0	0	0	0	0	13	12
West North Central	0	NM	NM	0	0	0	0	0	NM	0	0
Iowa	0	NM	NM	0	0	0	0	0	NM	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	99	77	29.0%	91	48	0	0	0	0	8	29
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	91	48	91.0%	91	48	0	0	0	0	0	0
Georgia	8	29	-73.0%	0	0	0	0	0	0	8	29
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	34	60	-44.0%	34	60	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	34	60	-44.0%	34	60	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	187	114	64.0%	166	61	0	NM	0	0	22	53
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	166	77	114.0%	166	61	0	0	0	0	0	NM
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	22	37	-41.0%	0	0	0	NM	0	0	22	36
Mountain	0	15	-100.0%	0	0	0	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	15	-100.0%	0	0	0	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	NM	NM	0	0	0	NM	0	0	0	NM
California	0	NM	NM	0	0	0	NM	0	0	0	NM
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	387	362	6.9%	291	169	54	69	0	NM	43	125

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Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) April 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	NM	NM	0	0	0	NM	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	NM	NM	0	0	0	NM	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	273	369	-26.0%	14	13	210	204	0	0	49	152
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	17	45	-61.0%	14	0	3	2	0	0	0	43
Ohio	206	260	-21.0%	0	0	206	203	0	0	0	57
Wisconsin	49	65	-25.0%	0	13	0	0	0	0	49	52
West North Central	0	5	-100.0%	0	0	0	0	0	5	0	0
Iowa	0	5	-100.0%	0	0	0	0	0	5	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	247	263	-6.2%	231	204	0	0	0	0	16	60
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	231	204	14.0%	231	204	0	0	0	0	0	0
Georgia	16	60	-74.0%	0	0	0	0	0	0	16	60
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	206	169	22.0%	206	169	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	206	169	22.0%	206	169	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	629	579	8.5%	520	369	0	NM	0	0	108	208
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	520	447	17.0%	520	369	0	0	0	0	0	77
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	108	132	-18.0%	0	0	0	NM	0	0	108	129
Mountain	0	89	-100.0%	0	0	0	89	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	89	-100.0%	0	0	0	89	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	117	-100.0%	0	0	0	84	0	0	0	NM
California	0	117	-100.0%	0	0	0	84	0	0	0	NM
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,355	1,609	-16.0%	972	755	210	382	0	5	173	468

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before 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 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	28,169	30,363	-7.2%	29	344	27,336	26,598	0	909	805	2,511
Connecticut	8,125	7,905	2.8%	0	70	8,125	7,229	0	232	0	375
Maine	2,445	2,748	-11.0%	0	0	1,640	943	0	NM	805	1,803
Massachusetts	13,482	12,555	7.4%	28	269	13,454	11,452	0	526	0	307
New Hampshire	125	3,102	-96.0%	0	2	125	3,074	0	0	0	NM
Rhode Island	3,992	4,049	-1.4%	0	0	3,992	3,900	0	NM	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	66,008	86,757	-24.0%	8,685	8,290	57,165	75,663	0	861	158	1,942
New Jersey	15,070	17,168	-12.0%	0	0	15,070	16,383	0	NM	0	631
New York	27,051	36,434	-26.0%	8,685	8,283	18,293	27,108	0	650	73	393
Pennsylvania	23,887	33,155	-28.0%	0	NM	23,802	32,172	0	NM	85	919
East North Central	31,860	60,157	-47.0%	10,322	18,150	20,954	36,596	262	1,743	322	3,668
Illinois	4,098	9,575	-57.0%	648	1,135	3,446	6,962	0	537	4	941
Indiana	4,205	8,166	-49.0%	2,905	6,326	1,300	577	0	NM	0	1,131
Michigan	9,244	22,754	-59.0%	1,611	5,285	7,200	16,046	262	636	172	787
Ohio	9,109	12,221	-25.0%	3,089	2,269	6,021	9,542	0	NM	0	241
Wisconsin	5,203	7,441	-30.0%	2,069	3,136	2,988	3,470	0	267	147	569
West North Central	8,041	12,493	-36.0%	6,600	9,046	1,329	2,121	110	561	3	765
Iowa	581	502	16.0%	578	453	0	NM	0	38	3	NM
Kansas	891	2,502	-64.0%	891	2,488	0	0	0	0	0	NM
Minnesota	4,450	5,290	-16.0%	3,588	3,702	862	769	0	359	0	461
Missouri	1,889	3,549	-47.0%	1,312	2,027	467	1,352	110	160	0	NM
Nebraska	99	380	-74.0%	99	251	0	0	0	NM	0	125
North Dakota	0	145	-100.0%	0	0	0	0	0	0	0	145
South Dakota	132	125	5.7%	132	125	0	0	0	0	0	0
South Atlantic	140,037	165,199	-15.0%	114,175	116,837	23,729	41,892	0	NM	2,134	6,234
Delaware	3,613	6,718	-46.0%	0	19	2,604	5,406	0	0	1,009	1,293
District of Columbia	0	88	-100.0%	0	88	0	0	0	0	0	0
Florida	78,053	94,612	-18.0%	73,234	83,224	4,820	9,148	0	NM	0	2,196
Georgia	21,321	25,458	-16.0%	16,003	12,909	4,485	11,261	0	0	833	1,287
Maryland	1,953	8,957	-78.0%	0	0	1,895	8,387	0	NM	58	398
North Carolina	14,357	11,158	29.0%	10,105	8,539	4,252	2,336	0	NM	0	NM
South Carolina	6,727	8,317	-19.0%	6,472	5,810	235	2,339	0	NM	20	NM
Virginia	13,825	9,635	43.0%	8,361	6,247	5,249	2,851	0	0	215	NM
West Virginia	188	258	-27.0%	0	NM	188	164	0	0	0	NM
East South Central	39,426	73,278	-46.0%	21,873	43,227	17,544	26,760	0	NM	10	3,117
Alabama	21,215	33,320	-36.0%	6,482	9,128	14,733	22,178	0	0	0	2,014
Kentucky	1,326	6,478	-80.0%	1,326	5,825	0	352	0	0	0	301
Mississippi	16,169	27,537	-41.0%	13,358	22,742	2,811	4,231	0	NM	0	NM
Tennessee	716	5,944	-88.0%	706	5,532	0	0	0	NM	10	274
West South Central	190,884	277,882	-31.0%	46,460	75,076	94,924	129,281	0	NM	49,499	72,794
Arkansas	4,864	12,330	-61.0%	229	2,462	4,635	9,010	0	NM	0	NM
Louisiana	35,036	48,719	-28.0%	14,328	18,084	5,723	9,106	0	NM	14,985	21,476
Oklahoma	16,467	30,498	-46.0%	12,819	19,746	3,647	10,256	0	NM	0	NM
Texas	134,517	186,335	-28.0%	19,084	34,783	80,919	100,908	0	NM	34,514	50,117
Mountain	35,156	47,273	-26.0%	22,256	31,406	12,849	NM	0	NM	51	NM
Arizona	11,024	17,682	-38.0%	3,901	10,399	7,123	7,201	0	NM	0	NM
Colorado	5,795	NM	NM	3,192	3,929	2,603	NM	0	NM	0	NM
Idaho	709	813	-13.0%	271	210	438	409	0	0	0	195
Montana	0	109	-100.0%	0	96	0	NM	0	0	0	0
Nevada	9,055	NM	NM	8,598	8,998	458	NM	0	NM	0	NM
New Mexico	5,418	NM	NM	3,356	4,533	2,062	NM	0	NM	0	NM
Utah	3,146	NM	NM	2,929	3,206	166	337	0	NM	51	NM
Wyoming	9	1,092	-99.0%	9	35	0	NM	0	0	0	1,048
Pacific Contiguous	50,209	NM	NM	16,571	22,937	30,415	NM	0	NM	3,223	NM
California	43,941	NM	NM	14,200	21,788	26,518	NM	0	NM	3,223	NM
Oregon	4,920	3,590	37.0%	1,023	128	3,898	3,208	0	94	0	160
Washington	1,348	2,286	-41.0%	1,348	1,021	0	769	0	191	0	304
Pacific Noncontiguous	1,843	3,700	-50.0%	1,843	3,601	0	0	0	NM	0	91
Alaska	1,843	3,700	-50.0%	1,843	3,601	0	0	0	NM	0	91
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	591,634	841,659	-30.0%	248,814	328,913	286,246	398,841	371	NM	56,203	106,067

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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) April 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	100,445	140,625	-29.0%	338	685	95,559	124,511	0	4,469	4,548	10,960
Connecticut	33,590	34,560	-2.8%	0	257	33,590	31,574	0	1,062	0	1,667
Maine	11,511	17,464	-34.0%	0	0	6,963	9,640	0	NM	4,548	7,818
Massachusetts	38,103	53,329	-29.0%	219	361	37,884	48,893	0	2,721	0	1,354
New Hampshire	7,575	16,516	-54.0%	119	55	7,456	16,341	0	0	0	NM
Rhode Island	9,667	18,744	-48.0%	0	0	9,667	18,064	0	680	0	0
Vermont	0	13	-100.0%	0	13	0	0	0	0	0	0
Middle Atlantic	281,447	336,408	-16.0%	30,927	35,816	249,765	288,181	0	3,692	755	8,719
New Jersey	55,178	64,982	-15.0%	0	0	55,178	61,420	0	695	0	2,868
New York	119,208	139,502	-15.0%	30,927	35,805	87,997	99,207	0	2,766	283	1,725
Pennsylvania	107,061	131,924	-19.0%	0	11	106,590	127,555	0	NM	471	4,127
East North Central	134,107	224,700	-40.0%	49,318	74,367	82,058	126,857	1,326	8,032	1,405	15,443
Illinois	10,230	22,603	-55.0%	1,181	3,234	9,024	12,739	0	2,451	24	4,179
Indiana	23,399	43,800	-47.0%	15,671	30,004	7,728	8,281	0	607	0	4,908
Michigan	30,284	72,489	-58.0%	5,466	13,050	22,965	53,368	1,326	3,079	528	2,992
Ohio	49,966	56,258	-11.0%	17,079	13,011	32,863	41,484	0	745	24	1,019
Wisconsin	20,227	29,550	-32.0%	9,920	15,068	9,478	10,985	0	1,151	830	2,346
West North Central	33,913	40,358	-16.0%	28,911	30,863	4,856	4,006	140	2,280	7	3,210
Iowa	4,064	2,539	60.0%	4,057	2,363	0	NM	0	159	7	17
Kansas	3,836	6,868	-44.0%	3,836	6,833	0	0	0	0	0	NM
Minnesota	14,989	17,171	-13.0%	13,195	12,085	1,794	1,550	0	1,576	0	1,960
Missouri	10,406	11,752	-11.0%	7,204	8,741	3,062	2,456	140	526	0	NM
Nebraska	283	1,005	-72.0%	283	459	0	0	0	NM	0	528
North Dakota	0	641	-100.0%	0	0	0	0	0	0	0	641
South Dakota	336	382	-12.0%	336	382	0	0	0	0	0	0
South Atlantic	558,564	620,902	-10.0%	456,376	455,041	91,400	137,920	0	1,054	10,787	26,887
Delaware	16,887	23,218	-27.0%	0	51	11,462	17,212	0	0	5,425	5,955
District of Columbia	0	361	-100.0%	0	361	0	0	0	0	0	0
Florida	300,884	352,738	-15.0%	288,331	311,977	12,554	31,599	0	NM	0	8,995
Georgia	95,148	87,919	8.2%	71,045	47,344	20,556	34,928	0	0	3,548	5,647
Maryland	3,567	15,158	-76.0%	0	0	3,437	12,794	0	765	130	1,599
North Carolina	60,828	46,000	32.0%	40,500	36,874	20,157	7,784	0	NM	171	NM
South Carolina	27,384	34,528	-21.0%	26,429	27,393	859	6,496	0	NM	96	NM
Virginia	53,146	59,992	-11.0%	29,913	31,012	21,815	26,586	0	0	1,417	2,394
West Virginia	720	987	-27.0%	158	29	561	520	0	0	0	NM
East South Central	201,285	266,377	-24.0%	116,079	143,154	85,139	109,283	0	764	67	13,175
Alabama	105,374	136,076	-23.0%	30,977	35,134	74,398	92,294	0	0	0	8,648
Kentucky	5,389	11,725	-54.0%	5,097	9,615	292	520	0	0	0	1,590
Mississippi	76,713	102,280	-25.0%	66,264	83,593	10,449	16,468	0	NM	0	2,075
Tennessee	13,809	16,296	-15.0%	13,742	14,813	0	0	0	620	67	863
West South Central	753,771	972,218	-22.0%	171,861	222,903	380,149	452,369	0	2,811	201,761	294,136
Arkansas	31,369	41,793	-25.0%	364	4,919	31,005	33,216	0	NM	0	3,656
Louisiana	131,476	175,412	-25.0%	51,485	58,812	20,221	28,477	0	NM	59,770	87,909
Oklahoma	67,405	94,213	-28.0%	54,391	65,957	13,014	26,155	0	NM	0	NM
Texas	523,521	660,800	-21.0%	65,620	93,214	315,909	364,520	0	1,984	141,992	201,082
Mountain	144,518	187,311	-23.0%	95,520	109,054	48,733	70,365	0	NM	264	NM
Arizona	38,184	61,922	-38.0%	17,527	28,992	20,657	32,583	0	NM	0	NM
Colorado	22,519	24,823	-9.3%	13,420	15,514	9,099	NM	0	NM	0	NM
Idaho	5,744	5,064	13.0%	1,988	353	3,756	3,950	0	0	0	760
Montana	0	393	-100.0%	0	360	0	33	0	0	0	0
Nevada	46,548	50,768	-8.3%	38,653	36,240	7,895	NM	0	NM	0	NM
New Mexico	18,016	22,966	-22.0%	11,799	13,612	6,217	NM	0	NM	0	NM
Utah	13,472	16,669	-19.0%	12,098	13,872	1,110	1,979	0	NM	264	NM
Wyoming	36	4,705	-99.0%	36	111	0	NM	0	0	0	4,570
Pacific Contiguous	255,791	373,170	-31.0%	94,611	107,316	147,256	202,394	0	NM	13,924	NM
California	207,137	322,822	-36.0%	69,540	85,619	123,673	177,260	0	NM	13,924	NM
Oregon	34,328	33,682	1.9%	11,243	10,954	23,084	21,400	0	414	0	913
Washington	14,326	16,667	-14.0%	13,827	10,743	499	3,733	0	840	0	1,351
Pacific Noncontiguous	8,754	15,797	-45.0%	8,754	15,365	0	0	0	NM	0	400
Alaska	8,754	15,797	-45.0%	8,754	15,365	0	0	0	NM	0	400
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,472,596	3,177,867	-22.0%	1,052,696	1,194,565	1,184,916	1,515,885	1,465	NM	233,519	433,511

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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 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012
New England	W	W	W	4.21	4.10	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.21	4.10	2.7%	4.21	4.10	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.61	2.48	5.2%	--	NM	2.61	2.48
New Jersey	3.76	W	W	--	--	3.76	W
New York	3.05	W	W	--	NM	3.05	W
Pennsylvania	2.56	2.42	5.8%	--	--	2.56	2.42
East North Central	2.28	2.39	-4.6%	2.41	2.51	1.97	2.17
Illinois	1.90	1.90	0.0%	2.13	2.11	1.87	1.88
Indiana	W	W	W	2.55	2.64	W	W
Michigan	W	W	W	2.66	2.92	W	W
Ohio	W	W	W	2.19	2.36	W	W
Wisconsin	2.34	2.30	1.7%	2.34	2.30	--	--
West North Central	1.78	1.75	1.7%	1.78	1.75	--	--
Iowa	1.65	1.47	12.0%	1.65	1.47	--	--
Kansas	1.79	1.86	-3.8%	1.79	1.86	--	--
Minnesota	1.99	2.08	-4.3%	1.99	2.08	--	--
Missouri	1.93	1.89	2.1%	1.93	1.89	--	--
Nebraska	1.47	1.56	-5.8%	1.47	1.56	--	--
North Dakota	1.58	1.63	-3.1%	1.58	1.63	--	--
South Dakota	1.94	2.27	-15.0%	1.94	2.27	--	--
South Atlantic	3.28	3.40	-3.5%	3.41	3.53	2.69	2.69
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.55	3.58	W	W
Georgia	3.27	3.44	-4.9%	3.27	3.44	--	--
Maryland	3.50	3.47	0.9%	--	--	3.50	3.47
North Carolina	3.86	3.84	0.5%	3.86	3.87	--	3.18
South Carolina	3.78	W	W	3.78	4.09	--	W
Virginia	W	3.79	W	3.46	3.77	W	3.93
West Virginia	2.51	2.52	-0.4%	2.77	2.75	2.08	2.07
East South Central	W	W	W	2.52	2.75	W	W
Alabama	2.74	W	W	2.74	3.11	--	W
Kentucky	2.39	2.46	-2.8%	2.39	2.46	--	--
Mississippi	W	W	W	4.00	4.50	W	W
Tennessee	2.36	2.49	-5.2%	2.36	2.49	--	--
West South Central	2.13	1.96	8.7%	2.26	2.09	1.97	1.81
Arkansas	W	W	W	2.34	2.16	W	W
Louisiana	W	W	W	2.81	2.78	W	W
Oklahoma	W	W	W	2.06	1.92	W	W
Texas	2.05	1.85	11.0%	2.23	2.04	1.93	1.73
Mountain	W	1.83	W	1.93	1.87	W	1.29
Arizona	2.05	1.97	4.1%	2.05	1.97	--	--
Colorado	1.92	W	W	1.92	1.87	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	1.13	W	--	NM	W	1.12
Nevada	W	W	W	2.05	2.62	W	W
New Mexico	2.38	2.34	1.7%	2.38	2.34	--	--
Utah	1.97	W	W	1.97	1.94	--	W
Wyoming	1.53	W	W	1.53	1.32	--	W
Pacific Contiguous	W	2.58	W	2.07	--	W	2.58
California	--	W	W	--	--	--	W
Oregon	2.07	--	--	2.07	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	NM	W	W
Alaska	--	W	W	--	NM	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.36	2.42	-2.5%	2.41	2.50	2.22	2.19

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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) April 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	4.00	3.68	8.7%	4.34	3.95	3.84	3.55
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.34	3.95	9.9%	4.34	3.95	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.59	0.0%	--	NM	2.59	2.59
New Jersey	3.75	4.12	-9.0%	--	--	3.75	4.12
New York	2.95	3.51	-16.0%	--	NM	2.95	3.50
Pennsylvania	2.53	2.53	0.0%	--	--	2.53	2.53
East North Central	2.28	2.40	-5.0%	2.43	2.53	1.95	2.15
Illinois	1.88	1.93	-2.6%	2.12	2.11	1.85	1.91
Indiana	W	W	W	2.55	2.61	W	W
Michigan	W	W	W	2.84	2.92	W	W
Ohio	W	2.58	W	2.21	2.42	W	3.16
Wisconsin	2.28	2.28	0.0%	2.28	2.28	--	--
West North Central	1.77	1.72	2.9%	1.77	1.72	--	--
Iowa	1.63	1.47	11.0%	1.63	1.47	--	--
Kansas	1.82	1.82	0.0%	1.82	1.82	--	--
Minnesota	2.01	1.94	3.6%	2.01	1.94	--	--
Missouri	1.91	1.87	2.1%	1.91	1.87	--	--
Nebraska	1.48	1.55	-4.5%	1.48	1.55	--	--
North Dakota	1.52	1.48	2.7%	1.52	1.48	--	--
South Dakota	2.03	2.31	-12.0%	2.03	2.31	--	--
South Atlantic	3.26	3.36	-3.0%	3.37	3.46	2.76	2.88
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.48	3.49	W	W
Georgia	3.30	3.53	-6.5%	3.30	3.53	--	--
Maryland	3.63	3.53	2.8%	--	--	3.63	3.53
North Carolina	3.85	3.79	1.6%	3.85	3.82	--	3.16
South Carolina	3.80	W	W	3.80	4.04	--	W
Virginia	W	W	W	3.44	3.73	W	W
West Virginia	2.52	2.49	1.2%	2.75	2.64	2.11	2.20
East South Central	W	W	W	2.53	2.70	W	W
Alabama	2.76	W	W	2.76	2.99	--	W
Kentucky	2.38	2.44	-2.5%	2.38	2.44	--	--
Mississippi	W	W	W	4.18	4.36	W	W
Tennessee	2.44	2.66	-8.3%	2.44	2.66	--	--
West South Central	2.12	2.07	2.4%	2.27	2.07	1.94	2.07
Arkansas	W	W	W	2.40	2.06	W	W
Louisiana	W	W	W	2.92	2.71	W	W
Oklahoma	W	W	W	2.05	2.00	W	W
Texas	2.03	2.02	0.5%	2.20	1.98	1.90	2.05
Mountain	W	1.84	W	1.92	1.89	W	1.35
Arizona	2.05	2.04	0.5%	2.05	2.04	--	--
Colorado	1.90	W	W	1.90	1.87	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.50	W	W
Nevada	W	W	W	2.39	2.67	W	W
New Mexico	2.30	2.24	2.7%	2.30	2.24	--	--
Utah	2.00	W	W	2.00	1.95	--	W
Wyoming	1.51	W	W	1.51	1.49	--	W
Pacific Contiguous	W	2.25	W	1.92	1.89	W	2.47
California	W	W	W	--	--	W	W
Oregon	1.92	1.89	1.6%	1.92	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.68	W	W
Alaska	--	W	W	--	1.68	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.34	2.40	-2.5%	2.39	2.43	2.21	2.31

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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 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012
New England	17.91	W	W	23.47	NM	17.83	W
Connecticut	W	NM	W	--	NM	W	NM
Maine	W	W	W	--	NM	W	W
Massachusetts	W	NM	W	--	NM	W	NM
New Hampshire	23.47	W	W	23.47	NM	--	W
Rhode Island	--	W	W	--	NM	--	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	19.46	NM	NM	--	NM	19.46	NM
New Jersey	W	NM	W	--	NM	W	NM
New York	W	NM	W	--	NM	W	NM
Pennsylvania	W	NM	W	--	NM	W	NM
East North Central	22.85	24.21	-5.6%	22.82	24.13	23.06	24.81
Illinois	23.32	W	W	23.62	NM	23.22	W
Indiana	22.74	W	W	22.74	24.26	--	W
Michigan	22.54	23.67	-4.8%	22.54	23.67	--	--
Ohio	22.94	W	W	22.94	24.25	22.94	W
Wisconsin	22.75	24.81	-8.3%	22.75	24.81	--	--
West North Central	22.46	23.06	-2.6%	22.46	23.03	--	NM
Iowa	23.23	23.82	-2.5%	23.23	23.78	--	NM
Kansas	21.80	NM	NM	21.80	NM	--	--
Minnesota	23.32	W	W	23.32	25.52	--	W
Missouri	20.79	W	W	20.79	NM	--	W
Nebraska	22.22	24.03	-7.5%	22.22	24.03	--	--
North Dakota	23.01	25.61	-10.0%	23.01	25.61	--	--
South Dakota	--	W	W	--	NM	--	W
South Atlantic	22.33	23.00	-2.9%	22.41	23.09	22.07	NM
Delaware	W	W	W	--	NM	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	NM	W	22.51	24.10	W	NM
Georgia	22.79	W	W	22.79	25.13	--	W
Maryland	21.20	23.48	-9.7%	--	NM	21.20	23.53
North Carolina	22.35	23.99	-6.8%	22.35	24.03	--	NM
South Carolina	22.52	24.48	-8.0%	22.52	24.48	--	--
Virginia	W	19.37	W	20.72	NM	W	25.46
West Virginia	23.54	23.95	-1.7%	23.54	23.95	--	--
East South Central	21.97	W	W	21.97	23.98	--	W
Alabama	21.14	W	W	21.14	23.81	--	W
Kentucky	22.79	24.30	-6.2%	22.79	24.30	--	--
Mississippi	21.29	NM	NM	21.29	NM	--	--
Tennessee	21.70	23.60	-8.1%	21.70	23.60	--	--
West South Central	21.95	NM	NM	21.80	NM	22.08	24.21
Arkansas	W	W	W	22.38	--	W	W
Louisiana	W	W	W	--	NM	W	W
Oklahoma	23.43	NM	NM	23.43	NM	--	--
Texas	W	W	W	21.23	NM	W	W
Mountain	W	25.26	W	23.79	25.28	W	25.12
Arizona	24.76	25.27	-2.0%	24.76	25.27	--	--
Colorado	23.27	23.73	-1.9%	23.27	23.73	--	--
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	24.91	26.50	W	W
New Mexico	24.50	W	W	24.50	25.61	--	W
Utah	20.00	W	W	20.00	25.41	--	W
Wyoming	23.55	24.07	-2.2%	23.55	24.07	--	--
Pacific Contiguous	--	W	W	--	26.06	--	W
California	--	W	W	--	26.05	--	W
Oregon	--	NM	--	--	NM	--	--
Washington	--	W	W	--	NM	--	W
Pacific Noncontiguous	W	W	W	21.48	24.10	W	W
Alaska	--	25.51	--	--	25.51	--	--
Hawaii	W	W	W	21.48	23.91	W	W
U.S. Total	W	24.00	W	21.99	23.94	W	24.29

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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) April 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	W	W	W	17.22	NM	W	W
Connecticut	20.13	NM	NM	--	NM	20.13	NM
Maine	W	W	W	--	NM	W	W
Massachusetts	19.60	NM	NM	--	NM	19.60	NM
New Hampshire	17.22	W	W	17.22	NM	--	W
Rhode Island	W	W	W	--	NM	W	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	19.96	21.78	-8.4%	19.58	20.21	20.06	22.79
New Jersey	21.64	NM	NM	--	NM	21.64	NM
New York	19.26	21.24	-9.3%	19.58	20.20	19.14	22.40
Pennsylvania	23.11	23.36	-1.1%	--	NM	23.11	23.36
East North Central	23.31	23.37	-0.3%	23.28	23.22	23.50	24.35
Illinois	W	W	W	23.76	24.00	W	W
Indiana	23.37	W	W	23.37	23.74	--	W
Michigan	23.29	22.87	1.8%	23.29	22.87	--	--
Ohio	23.29	23.24	0.2%	23.25	23.19	23.45	23.61
Wisconsin	W	W	W	22.88	22.63	W	W
West North Central	22.94	22.86	0.3%	22.94	22.84	--	NM
Iowa	23.17	W	W	23.17	23.51	--	W
Kansas	22.86	23.26	-1.7%	22.86	23.26	--	--
Minnesota	27.71	W	W	27.71	24.53	--	W
Missouri	22.00	W	W	22.00	21.30	--	W
Nebraska	22.55	23.05	-2.2%	22.55	23.05	--	--
North Dakota	22.95	23.97	-4.3%	22.95	23.97	--	--
South Dakota	23.30	W	W	23.30	NM	--	W
South Atlantic	W	23.18	W	20.40	23.35	W	NM
Delaware	W	W	W	--	NM	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	NM	W	18.37	23.39	W	NM
Georgia	W	W	W	23.88	24.72	W	W
Maryland	22.78	23.07	-1.3%	--	NM	22.78	23.15
North Carolina	W	23.49	W	23.12	23.52	W	NM
South Carolina	23.93	22.13	8.1%	23.93	22.13	--	--
Virginia	W	22.78	W	20.45	22.20	W	24.09
West Virginia	24.65	W	W	24.65	23.92	--	W
East South Central	22.69	W	W	22.69	23.27	--	W
Alabama	22.27	W	W	22.27	23.55	--	W
Kentucky	22.90	23.33	-1.8%	22.90	23.33	--	--
Mississippi	21.29	NM	NM	21.29	NM	--	--
Tennessee	22.80	22.88	-0.3%	22.80	22.88	--	--
West South Central	22.50	23.55	-4.5%	22.44	23.49	22.53	23.61
Arkansas	W	W	W	22.38	23.13	W	W
Louisiana	W	W	W	22.21	24.17	W	W
Oklahoma	23.43	NM	NM	23.43	NM	--	--
Texas	W	W	W	22.48	23.68	W	W
Mountain	W	24.01	W	23.71	24.09	W	23.06
Arizona	24.60	25.29	-2.7%	24.60	25.29	--	--
Colorado	21.90	W	W	21.90	22.68	--	W
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	21.60	W	W
Nevada	W	W	W	22.48	25.09	W	W
New Mexico	25.26	W	W	25.26	25.55	--	W
Utah	21.39	W	W	21.39	23.22	--	W
Wyoming	23.45	22.05	6.3%	23.45	22.05	--	--
Pacific Contiguous	W	W	W	23.63	25.74	W	W
California	--	W	W	--	25.76	--	W
Oregon	--	NM	--	--	NM	--	--
Washington	W	W	W	23.63	NM	W	W
Pacific Noncontiguous	W	W	W	20.72	22.67	W	W
Alaska	--	24.29	--	--	24.29	--	--
Hawaii	W	W	W	20.72	22.42	W	W
U.S. Total	20.88	22.81	-8.5%	21.03	22.72	20.56	23.19

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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 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	--	--	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	--	W	--	--	W	--
Ohio	W	W	W	--	--	W	W
Wisconsin	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.80	2.59	8.1%	2.80	2.59	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.80	2.59	8.1%	2.80	2.59	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.79	1.82	-1.6%	1.79	1.82	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.79	1.82	-1.6%	1.79	1.82	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.01	W	W	2.01	1.65	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.01	1.65	22.0%	2.01	1.65	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	W	W	--	--	--	W
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.23	1.98	W	W

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Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) April 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.50	1.67	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	1.50	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	--	1.67	--	--	1.67	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.52	2.63	-4.2%	2.52	2.63	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.52	2.63	-4.2%	2.52	2.63	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.84	1.84	0.0%	1.84	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.84	1.84	0.0%	1.84	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.98	W	W	1.98	1.84	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.98	1.84	7.6%	1.98	1.84	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	2.63	--	--	--	--	2.63
California	--	2.63	--	--	--	--	2.63
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.07	2.06	W	W

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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 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013	April 2012	Percentage Change	April 2013	April 2012	April 2013	April 2012
New England	5.11	2.46	108.0%	6.78	2.74	5.10	2.46
Connecticut	5.09	2.48	105.0%	--	NM	5.09	2.47
Maine	W	W	W	--	--	W	W
Massachusetts	5.08	2.41	111.0%	6.75	2.70	5.08	2.40
New Hampshire	10.50	W	W	10.50	12.87	--	W
Rhode Island	W	2.55	W	--	--	W	2.55
Vermont	--	3.24	--	--	3.24	--	--
Middle Atlantic	4.90	2.62	87.0%	4.89	2.62	4.90	2.62
New Jersey	4.79	2.75	74.0%	--	--	4.79	2.75
New York	5.01	2.83	77.0%	4.89	2.62	5.09	2.89
Pennsylvania	4.83	2.33	107.0%	--	NM	4.83	2.33
East North Central	4.58	2.41	90.0%	4.64	2.41	4.54	2.41
Illinois	W	2.52	W	4.92	2.60	W	2.50
Indiana	W	2.34	W	4.57	2.26	W	3.10
Michigan	4.85	2.46	97.0%	4.79	2.40	4.87	2.48
Ohio	4.33	2.24	93.0%	4.42	2.19	4.28	2.25
Wisconsin	4.67	2.49	88.0%	4.87	2.78	4.52	2.23
West North Central	4.96	2.74	81.0%	5.01	2.84	4.74	2.33
Iowa	5.92	W	W	5.92	3.75	--	W
Kansas	4.93	2.57	92.0%	4.93	2.57	--	--
Minnesota	W	W	W	4.83	2.97	W	W
Missouri	W	W	W	5.13	2.59	W	W
Nebraska	5.93	4.07	46.0%	5.93	4.07	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	4.50	NM	NM	4.50	NM	--	--
South Atlantic	5.13	3.65	41.0%	5.21	4.06	4.54	2.49
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	NM	--	--	NM	--	--
Florida	W	4.34	W	5.40	4.51	W	2.71
Georgia	4.92	2.50	97.0%	4.86	2.51	5.26	2.50
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	5.08	3.75	W	W
South Carolina	4.75	2.74	73.0%	4.75	2.83	--	2.50
Virginia	4.60	W	W	4.75	2.58	4.37	W
West Virginia	5.42	2.60	108.0%	--	NM	5.42	2.60
East South Central	4.51	2.22	103.0%	4.47	2.26	4.56	2.16
Alabama	4.56	2.27	101.0%	4.45	2.49	4.62	2.17
Kentucky	5.81	W	W	5.81	2.40	--	W
Mississippi	4.27	W	W	4.27	2.18	4.27	W
Tennessee	5.87	2.06	185.0%	5.87	2.06	--	--
West South Central	4.27	2.22	92.0%	4.28	2.28	4.26	2.18
Arkansas	4.61	2.27	103.0%	7.23	2.49	4.48	2.21
Louisiana	4.28	2.22	93.0%	4.32	2.24	4.17	2.17
Oklahoma	4.28	2.23	92.0%	4.30	2.31	4.21	2.07
Texas	4.24	2.22	91.0%	4.21	2.28	4.25	2.19
Mountain	4.90	2.85	72.0%	5.07	2.92	4.49	2.69
Arizona	5.28	2.78	90.0%	6.60	2.99	4.43	2.47
Colorado	W	3.77	W	5.18	3.89	W	NM
Idaho	W	W	W	6.56	3.40	W	W
Montana	--	W	W	--	NM	--	W
Nevada	W	2.73	W	4.75	2.72	W	NM
New Mexico	4.59	W	W	4.59	2.71	--	W
Utah	4.26	W	W	4.26	2.30	--	W
Wyoming	6.42	W	W	6.42	NM	--	W
Pacific Contiguous	4.65	2.86	63.0%	5.02	3.31	4.38	2.64
California	4.71	2.89	63.0%	5.08	3.30	4.43	2.67
Oregon	4.18	W	W	4.28	6.65	4.15	W
Washington	5.04	W	W	5.04	3.31	--	W
Pacific Noncontiguous	4.40	4.02	9.5%	4.40	4.02	--	--
Alaska	4.40	4.02	9.5%	4.40	4.02	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.73	2.72	74.0%	4.90	3.10	4.56	2.41

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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) April 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	April 2013 YTD	April 2012 YTD	Percentage Change	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	8.46	3.36	152.0%	11.15	3.70	8.45	3.35
Connecticut	7.95	3.39	135.0%	--	3.14	7.95	3.39
Maine	W	W	W	--	--	W	W
Massachusetts	8.63	3.17	172.0%	10.26	3.40	8.62	3.17
New Hampshire	12.66	W	W	12.66	8.18	--	W
Rhode Island	W	3.67	W	--	--	W	3.67
Vermont	--	3.86	--	--	3.86	--	--
Middle Atlantic	5.15	3.38	52.0%	5.82	3.95	5.05	3.31
New Jersey	4.86	3.47	40.0%	--	--	4.86	3.47
New York	6.04	3.81	59.0%	5.82	3.95	6.13	3.76
Pennsylvania	4.31	2.88	50.0%	--	NM	4.31	2.88
East North Central	4.06	2.78	46.0%	4.11	2.77	4.03	2.78
Illinois	W	2.82	W	4.82	2.80	W	2.82
Indiana	W	2.74	W	4.00	2.69	W	2.92
Michigan	4.46	2.80	59.0%	4.46	2.61	4.45	2.85
Ohio	3.80	2.66	43.0%	3.89	2.58	3.75	2.69
Wisconsin	4.25	2.99	42.0%	4.36	3.23	4.12	2.65
West North Central	4.51	3.57	26.0%	4.54	3.66	4.34	2.85
Iowa	4.85	W	W	4.85	4.05	--	W
Kansas	4.58	2.99	53.0%	4.58	2.99	--	--
Minnesota	W	W	W	4.53	4.20	W	W
Missouri	W	W	W	4.28	3.22	W	W
Nebraska	6.87	6.48	6.0%	6.87	6.48	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	3.96	3.11	27.0%	3.96	3.11	--	--
South Atlantic	4.74	3.97	19.0%	4.81	4.26	4.26	2.98
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	2.98	--	--	2.98	--	--
Florida	4.97	4.54	9.5%	5.03	4.70	2.93	2.95
Georgia	4.28	2.89	48.0%	4.26	2.91	4.35	2.88
Maryland	5.20	2.53	106.0%	--	--	5.20	2.53
North Carolina	W	W	W	4.72	4.12	W	W
South Carolina	4.38	W	W	4.38	3.14	--	W
Virginia	W	3.19	W	4.59	3.13	W	3.27
West Virginia	4.35	3.20	36.0%	3.71	3.25	4.52	3.19
East South Central	3.97	2.67	49.0%	3.94	2.69	4.02	2.63
Alabama	4.02	W	W	3.95	2.84	4.06	W
Kentucky	W	W	W	5.37	2.98	W	W
Mississippi	W	W	W	3.76	2.62	W	W
Tennessee	4.22	2.54	66.0%	4.22	2.54	--	--
West South Central	3.82	2.62	46.0%	3.91	2.73	3.77	2.57
Arkansas	3.91	2.65	48.0%	9.49	2.97	3.84	2.60
Louisiana	3.82	2.60	47.0%	3.86	2.63	3.70	2.53
Oklahoma	3.90	2.73	43.0%	3.91	2.86	3.87	2.39
Texas	3.79	2.61	45.0%	3.90	2.70	3.76	2.58
Mountain	4.42	3.29	34.0%	4.51	3.37	4.20	3.16
Arizona	4.78	3.11	54.0%	5.37	3.37	4.16	2.89
Colorado	W	4.08	W	5.01	4.05	W	4.14
Idaho	W	W	W	4.95	6.39	W	W
Montana	--	W	W	--	3.12	--	W
Nevada	W	3.34	W	4.25	3.39	W	3.21
New Mexico	4.15	W	W	4.15	3.10	--	W
Utah	3.81	W	W	3.81	2.80	--	W
Wyoming	8.06	W	W	8.06	3.94	--	W
Pacific Contiguous	4.23	3.23	31.0%	4.56	3.57	3.97	3.06
California	4.30	3.28	31.0%	4.67	3.65	4.03	3.11
Oregon	W	W	W	3.68	2.93	W	W
Washington	W	W	W	4.80	3.51	W	W
Pacific Noncontiguous	4.55	4.40	3.4%	4.55	4.40	--	--
Alaska	4.55	4.40	3.4%	4.55	4.40	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.52	3.19	42.0%	4.51	3.53	4.53	2.93

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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 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	183	1.31	10.3	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	1.05	8.2	0	--	--	0	--	--
Massachusetts	109	0.71	12.0	0	--	--	0	--	--
New Hampshire	69	2.22	7.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,816	2.97	10.7	93	0.23	5.2	0	--	--
New Jersey	53	1.71	8.4	0	--	--	0	--	--
New York	146	2.55	9.1	93	0.23	5.2	0	--	--
Pennsylvania	2,617	3.02	10.9	0	--	--	0	--	--
East North Central	6,724	3.01	10.2	7,544	0.25	4.9	0	--	--
Illinois	811	3.50	19.5	3,357	0.22	4.8	0	--	--
Indiana	2,518	2.75	9.1	266	0.28	5.2	0	--	--
Michigan	202	1.72	8.3	2,103	0.28	4.9	0	--	--
Ohio	3,115	3.21	9.3	134	0.34	5.2	0	--	--
Wisconsin	77	2.80	7.4	1,684	0.26	5.0	0	--	--
West North Central	94	3.07	9.0	7,535	0.28	5.1	1,656	0.76	9.4
Iowa	11	3.50	8.0	1,311	0.28	5.2	0	--	--
Kansas	19	2.94	12.8	1,297	0.33	5.1	0	--	--
Minnesota	0	--	--	1,124	0.33	5.7	0	--	--
Missouri	64	3.03	8.1	2,807	0.23	4.8	0	--	--
Nebraska	0	--	--	860	0.25	5.1	0	--	--
North Dakota	0	--	--	0	--	--	1,656	0.76	9.4
South Dakota	0	--	--	136	0.43	5.5	0	--	--
South Atlantic	7,542	2.01	10.5	743	0.28	4.7	0	--	--
Delaware	46	2.46	7.8	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,479	2.14	9.7	0	--	--	0	--	--
Georgia	447	1.45	9.0	743	0.28	4.7	0	--	--
Maryland	438	1.91	10.0	0	--	--	0	--	--
North Carolina	1,316	1.66	10.1	0	--	--	0	--	--
South Carolina	788	1.60	9.0	0	--	--	0	--	--
Virginia	639	1.10	11.9	0	--	--	0	--	--
West Virginia	2,389	2.61	11.6	0	--	--	0	--	--
East South Central	5,154	2.55	9.9	1,996	0.26	5.0	206	0.50	14.3
Alabama	875	1.81	10.7	925	0.26	5.0	0	--	--
Kentucky	3,203	2.89	10.0	206	0.28	5.6	0	--	--
Mississippi	296	2.34	9.4	0	--	--	206	0.50	14.3
Tennessee	780	2.13	8.7	865	0.25	4.9	0	--	--
West South Central	124	2.45	15.6	7,579	0.28	5.2	2,924	1.06	16.4
Arkansas	0	--	--	1,362	0.26	5.1	0	--	--
Louisiana	75	3.18	8.6	816	0.30	5.1	32	0.76	16.6
Oklahoma	50	1.16	27.8	1,338	0.24	4.8	0	--	--
Texas	0	--	--	4,061	0.30	5.3	2,892	1.07	16.4
Mountain	2,485	0.67	13.1	5,558	0.53	9.1	0	--	--
Arizona	670	0.63	10.7	843	0.70	11.4	0	--	--
Colorado	262	0.47	9.7	1,255	0.32	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	825	0.70	9.3	0	--	--
Nevada	73	0.35	12.1	219	0.41	7.7	0	--	--
New Mexico	398	0.87	25.2	542	0.70	21.7	0	--	--
Utah	1,083	0.71	11.6	44	1.16	9.1	0	--	--
Wyoming	0	--	--	1,829	0.49	7.1	0	--	--
Pacific Contiguous	33	0.49	10.6	84	0.35	6.9	0	--	--
California	33	0.49	10.6	0	--	--	0	--	--
Oregon	0	--	--	56	0.38	5.0	0	--	--
Washington	0	--	--	28	0.29	10.5	0	--	--
Pacific Noncontiguous	58	1.28	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	58	1.28	4.5	0	--	--	0	--	--
U.S. Total	25,213	2.37	10.5	31,131	0.32	5.8	4,786	0.94	13.9

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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 Utilties by State, April 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	69	2.22	7.6	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	69	2.22	7.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	5,338	2.97	9.1	4,207	0.27	5.0	0	--	--
Illinois	223	3.43	10.6	180	0.21	4.7	0	--	--
Indiana	2,309	2.68	8.9	266	0.28	5.2	0	--	--
Michigan	176	1.81	8.4	2,096	0.28	4.9	0	--	--
Ohio	2,583	3.28	9.3	0	--	--	0	--	--
Wisconsin	46	2.01	7.5	1,664	0.26	5.0	0	--	--
West North Central	77	2.97	9.1	7,470	0.28	5.1	1,656	0.76	9.4
Iowa	0	--	--	1,245	0.29	5.2	0	--	--
Kansas	19	2.94	12.8	1,297	0.33	5.1	0	--	--
Minnesota	0	--	--	1,124	0.33	5.7	0	--	--
Missouri	58	2.98	8.0	2,807	0.23	4.8	0	--	--
Nebraska	0	--	--	860	0.25	5.1	0	--	--
North Dakota	0	--	--	0	--	--	1,656	0.76	9.4
South Dakota	0	--	--	136	0.43	5.5	0	--	--
South Atlantic	5,949	1.86	10.2	743	0.28	4.7	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,427	2.18	9.7	0	--	--	0	--	--
Georgia	400	1.45	8.7	743	0.28	4.7	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,316	1.66	10.1	0	--	--	0	--	--
South Carolina	779	1.61	9.0	0	--	--	0	--	--
Virginia	535	1.09	12.5	0	--	--	0	--	--
West Virginia	1,491	2.24	11.0	0	--	--	0	--	--
East South Central	4,934	2.59	9.9	1,996	0.26	5.0	0	--	--
Alabama	875	1.81	10.7	925	0.26	5.0	0	--	--
Kentucky	3,203	2.89	10.0	206	0.28	5.6	0	--	--
Mississippi	204	2.07	9.8	0	--	--	0	--	--
Tennessee	651	2.40	8.9	865	0.25	4.9	0	--	--
West South Central	75	3.18	8.6	4,976	0.26	5.0	610	1.41	20.0
Arkansas	0	--	--	1,264	0.26	5.1	0	--	--
Louisiana	75	3.18	8.6	299	0.29	5.3	32	0.76	16.6
Oklahoma	0	--	--	1,296	0.24	4.8	0	--	--
Texas	0	--	--	2,116	0.26	5.1	577	1.45	20.2
Mountain	2,455	0.67	13.1	4,672	0.51	9.2	0	--	--
Arizona	670	0.63	10.7	843	0.70	11.4	0	--	--
Colorado	262	0.47	9.7	1,255	0.32	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	73	0.35	12.1	158	0.44	8.6	0	--	--
New Mexico	398	0.87	25.2	542	0.70	21.7	0	--	--
Utah	1,053	0.71	11.6	44	1.16	9.1	0	--	--
Wyoming	0	--	--	1,829	0.49	7.1	0	--	--
Pacific Contiguous	0	--	--	56	0.38	5.0	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	56	0.38	5.0	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	18,895	2.23	10.2	24,119	0.32	5.8	2,265	0.92	12.0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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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 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	112	0.72	11.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	4	1.05	8.8	0	--	--	0	--	--
Massachusetts	109	0.71	12.0	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,778	2.99	10.7	93	0.23	5.2	0	--	--
New Jersey	53	1.71	8.4	0	--	--	0	--	--
New York	113	2.86	9.0	93	0.23	5.2	0	--	--
Pennsylvania	2,611	3.02	10.9	0	--	--	0	--	--
East North Central	1,225	3.21	15.4	3,269	0.22	4.8	0	--	--
Illinois	492	3.68	27.9	3,128	0.22	4.8	0	--	--
Indiana	209	3.50	11.2	0	--	--	0	--	--
Michigan	13	1.11	8.6	7	0.22	4.7	0	--	--
Ohio	511	2.87	9.4	134	0.34	5.2	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,449	2.66	11.2	0	--	--	0	--	--
Delaware	46	2.46	7.8	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	52	0.96	11.1	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	406	1.91	9.2	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	66	0.77	8.3	0	--	--	0	--	--
West Virginia	880	3.27	12.6	0	--	--	0	--	--
East South Central	92	2.96	8.3	0	--	--	206	0.50	14.3
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	92	2.96	8.3	0	--	--	206	0.50	14.3
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	50	1.16	27.8	2,603	0.33	5.4	2,314	0.98	15.6
Arkansas	0	--	--	98	0.28	5.0	0	--	--
Louisiana	0	--	--	517	0.30	4.9	0	--	--
Oklahoma	50	1.16	27.8	42	0.21	4.7	0	--	--
Texas	0	--	--	1,945	0.34	5.6	2,314	0.98	15.6
Mountain	0	--	--	887	0.67	9.0	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	825	0.70	9.3	0	--	--
Nevada	0	--	--	61	0.33	5.0	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	28	0.29	10.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	28	0.29	10.5	0	--	--
Pacific Noncontiguous	58	1.28	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	58	1.28	4.5	0	--	--	0	--	--
U.S. Total	5,764	2.87	11.8	6,879	0.32	5.6	2,521	0.95	15.5

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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 Sector by State, April 2013

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	4	2.42	8.9	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	4	2.42	8.9	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	6	3.42	9.4	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	6	3.42	9.4	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	10	3.04	9.2	0	--	--	0	--	--

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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 Sector by State, April 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	2	1.05	6.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	1.05	6.9	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	38	1.59	9.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	32	1.49	9.3	0	--	--	0	--	--
Pennsylvania	6	2.19	12.7	0	--	--	0	--	--
East North Central	157	3.15	8.4	68	0.59	6.1	0	--	--
Illinois	96	3.00	8.5	49	0.71	6.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	9	0.50	7.0	0	--	--	0	--	--
Ohio	21	3.55	10.6	0	--	--	0	--	--
Wisconsin	31	4.11	7.1	20	0.28	5.1	0	--	--
West North Central	11	3.50	8.0	65	0.22	4.4	0	--	--
Iowa	11	3.50	8.0	65	0.22	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	144	1.59	12.9	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	47	1.51	11.5	0	--	--	0	--	--
Maryland	32	1.84	22.2	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	9	0.96	7.7	0	--	--	0	--	--
Virginia	38	1.85	9.4	0	--	--	0	--	--
West Virginia	18	1.16	11.8	0	--	--	0	--	--
East South Central	129	0.89	7.9	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	129	0.89	7.9	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	30	0.51	10.4	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	30	0.51	10.4	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	33	0.49	10.6	0	--	--	0	--	--
California	33	0.49	10.6	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	543	1.75	9.8	134	0.41	5.3	0	--	--

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

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - April 2013 (Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,364,474	1,307,168	917,442	7,781	3,596,865
2010	1,445,708	1,330,199	970,873	7,712	3,754,493
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,594	1,323,844	980,837	7,504	3,686,780
2011					
January	145,054	108,243	80,077	710	334,084
February	120,121	99,789	76,332	637	296,879
March	104,921	104,263	82,196	664	292,044
April	93,700	100,505	80,356	629	275,190
May	97,688	107,624	82,095	619	288,026
June	125,983	118,169	83,941	643	328,736
July	154,729	128,063	87,245	650	370,686
August	153,739	129,371	89,014	625	372,749
Sept	122,720	117,951	84,959	634	326,263
October	94,585	108,655	84,287	616	288,144
November	93,220	100,552	80,858	590	275,220
December	116,341	104,873	79,956	656	301,826
2012					
January	126,208	105,118	78,821	666	310,813
February	107,951	99,682	77,898	646	286,177
March	99,153	101,930	80,911	619	282,613
April	88,300	100,839	80,604	604	270,348
May	100,478	110,062	84,273	606	295,420
June	122,992	117,651	83,202	610	324,455
July	154,649	128,157	86,762	642	370,210
August	147,991	127,713	87,629	650	363,984
Sept	119,201	116,483	81,560	628	317,873
October	96,707	110,111	82,600	619	290,037
November	97,174	102,546	78,877	580	279,178
December	113,791	103,551	77,698	632	295,673
2013					
January	131,252	107,415	78,152	664	317,482
February	112,869	100,765	74,402	646	288,683
March	111,822	103,963	78,079	631	294,496
April	95,334	101,380	77,691	625	275,029
Year to Date					
2011	463,796	412,800	318,961	2,640	1,198,197
2012	421,612	407,570	318,235	2,535	1,149,951
2013	451,277	413,522	308,325	2,565	1,175,690
Rolling 12 Months Ending in April					
2012	1,380,616	1,322,827	990,589	7,567	3,701,600
2013	1,404,260	1,329,797	970,927	7,534	3,712,518

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2013 and 2012 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: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
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, 2003 - April 2013 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	157,008	132,940	62,504	828	353,280
2010	166,782	135,559	65,750	815	368,906
2011	166,714	135,926	67,606	803	371,049
2012	163,352	133,908	65,691	754	363,705
2011					
January	15,770	10,590	5,228	73	31,662
February	13,286	9,968	5,058	67	28,380
March	12,090	10,354	5,369	68	27,881
April	10,936	10,015	5,243	63	26,257
May	11,656	10,962	5,481	66	28,166
June	15,079	12,592	5,993	71	33,736
July	18,709	13,661	6,381	73	38,824
August	18,582	13,874	6,583	68	39,107
Sept	14,934	12,494	6,076	68	33,572
October	11,427	11,142	5,706	63	28,338
November	10,982	10,034	5,281	59	26,355
December	13,262	10,241	5,205	64	28,772
2012					
January	14,371	10,332	5,089	65	29,857
February	12,431	9,931	5,051	62	27,475
March	11,625	10,071	5,247	61	27,004
April	10,517	9,915	5,158	61	25,651
May	11,999	11,018	5,523	59	28,599
June	14,869	12,254	5,754	62	32,939
July	18,564	13,349	6,202	68	38,183
August	18,014	13,318	6,227	67	37,625
Sept	14,696	12,294	5,718	65	32,774
October	11,633	11,132	5,490	61	28,317
November	11,411	10,128	5,150	60	26,749
December	13,220	10,165	5,081	64	28,531
2013					
January	15,053	10,509	5,040	68	30,670
February	13,105	10,113	4,907	67	28,192
March	12,959	10,385	5,142	64	28,550
April	11,368	10,098	5,060	64	26,590
Year to Date					
2011	52,082	40,927	20,899	271	114,179
2012	48,945	40,249	20,546	248	109,987
2013	52,486	41,104	20,149	263	114,002
Rolling 12 Months Ending in April					
2012	163,577	135,249	67,252	779	366,857
2013	166,893	134,762	65,295	770	367,720

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2013 and 2012 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: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - April 2013 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	11.51	10.17	6.81	10.65	9.82
2010	11.54	10.19	6.77	10.57	9.83
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.12	6.70	10.05	9.87
2011					
January	10.87	9.78	6.53	10.29	9.48
February	11.06	9.99	6.63	10.55	9.56
March	11.52	9.93	6.53	10.24	9.55
April	11.67	9.96	6.53	9.97	9.54
May	11.93	10.19	6.68	10.70	9.78
June	11.97	10.66	7.14	11.01	10.26
July	12.09	10.67	7.31	11.21	10.47
August	12.09	10.72	7.40	10.82	10.49
Sept	12.17	10.59	7.15	10.80	10.29
October	12.08	10.25	6.77	10.25	9.83
November	11.78	9.98	6.53	9.93	9.58
December	11.40	9.77	6.51	9.79	9.53
2012					
January	11.39	9.83	6.46	9.69	9.61
February	11.52	9.96	6.48	9.55	9.60
March	11.72	9.88	6.48	9.83	9.56
April	11.91	9.83	6.40	10.02	9.49
May	11.94	10.01	6.55	9.76	9.68
June	12.09	10.42	6.92	10.22	10.15
July	12.00	10.42	7.15	10.57	10.31
August	12.17	10.43	7.11	10.29	10.34
Sept	12.33	10.55	7.01	10.39	10.31
October	12.03	10.11	6.65	9.88	9.76
November	11.74	9.88	6.53	10.30	9.58
December	11.62	9.82	6.54	10.14	9.65
2013					
January	11.47	9.78	6.45	10.20	9.66
February	11.61	10.04	6.59	10.41	9.77
March	11.59	9.99	6.59	10.20	9.69
April	11.92	9.96	6.51	10.23	9.67
Year to Date					
2011	11.23	9.91	6.55	10.26	9.53
2012	11.61	9.88	6.46	9.77	9.56
2013	11.63	9.94	6.53	10.26	9.70
Rolling 12 Months Ending in April					
2012	11.85	10.22	6.79	10.30	9.91
2013	11.88	10.13	6.72	10.22	9.90

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
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Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
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 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	3,524	3,196	3,406	3,353	2,173	2,252	45	44	9,147	8,845
Connecticut	995	852	1,031	971	289	286	15	14	2,329	2,123
Maine	337	305	295	292	272	258	0	0	904	854
Massachusetts	1,468	1,357	1,308	1,314	1,271	1,366	28	28	4,076	4,065
New Hampshire	350	325	350	345	154	158	0	0	854	828
Rhode Island	216	213	266	279	72	72	2	2	557	566
Vermont	158	144	156	152	114	113	0	0	428	409
Middle Atlantic	9,504	8,649	11,893	11,881	5,532	5,525	334	325	27,263	26,381
New Jersey	1,749	1,741	2,775	2,937	548	660	25	25	5,097	5,362
New York	3,676	3,404	5,772	5,720	1,176	1,088	236	225	10,860	10,438
Pennsylvania	4,079	3,505	3,346	3,224	3,807	3,777	73	75	11,305	10,581
East North Central	12,948	11,367	13,921	13,546	15,720	16,880	57	46	42,646	41,838
Illinois	3,190	2,724	4,024	3,665	3,497	3,613	51	41	10,761	10,042
Indiana	2,162	1,872	1,783	1,792	3,751	3,957	2	2	7,697	7,623
Michigan	2,407	2,185	2,852	2,881	2,482	2,599	0	1	7,741	7,666
Ohio	3,545	3,105	3,431	3,460	4,137	4,830	4	2	11,117	11,398
Wisconsin	1,645	1,481	1,831	1,748	1,853	1,880	0	0	5,329	5,109
West North Central	7,469	6,293	7,710	7,557	6,872	7,136	3	3	22,054	20,989
Iowa	1,052	881	950	902	1,552	1,553	0	0	3,553	3,336
Kansas	857	770	1,161	1,194	790	893	0	0	2,808	2,857
Minnesota	1,704	1,515	1,773	1,688	1,720	1,806	1	1	5,198	5,009
Missouri	2,303	1,923	2,316	2,344	1,399	1,475	2	2	6,020	5,743
Nebraska	739	585	714	702	794	816	0	0	2,247	2,103
North Dakota	422	306	431	384	409	365	0	0	1,262	1,055
South Dakota	392	312	366	345	209	229	0	0	966	886
South Atlantic	23,510	21,498	22,802	23,713	11,144	11,799	109	104	57,565	57,115
Delaware	310	282	308	316	212	224	0	0	830	823
District of Columbia	129	105	620	667	18	19	25	25	791	816
Florida	8,195	8,094	7,224	7,341	1,389	1,406	8	7	16,815	16,848
Georgia	3,500	3,434	3,473	3,578	2,514	2,582	14	12	9,501	9,607
Maryland	1,784	1,643	2,202	2,235	292	452	45	44	4,323	4,374
North Carolina	3,758	3,104	3,447	3,650	2,186	2,265	1	1	9,390	9,020
South Carolina	1,901	1,693	1,537	1,657	2,350	2,402	0	0	5,788	5,752
Virginia	3,103	2,447	3,456	3,660	1,269	1,465	17	15	7,845	7,587
West Virginia	830	695	536	608	915	985	0	0	2,281	2,289
East South Central	8,087	7,131	6,681	6,289	9,691	10,551	0	0	24,460	23,971
Alabama	2,021	1,939	1,685	1,700	2,793	2,827	0	0	6,499	6,466
Kentucky	1,808	1,583	1,398	1,348	3,671	3,955	0	0	6,876	6,886
Mississippi	1,203	1,111	1,001	1,049	1,370	1,393	0	0	3,574	3,553
Tennessee	3,056	2,497	2,597	2,192	1,858	2,376	0	0	7,511	7,065
West South Central	13,190	12,927	14,155	14,258	12,889	12,797	7	7	40,240	39,989
Arkansas	1,258	1,041	883	921	1,347	1,385	NM	NM	3,489	3,347
Louisiana	1,911	1,918	1,774	1,865	2,527	2,575	1	1	6,213	6,358
Oklahoma	1,430	1,286	1,436	1,531	1,330	1,341	0	0	4,197	4,159
Texas	8,590	8,683	10,061	9,941	7,685	7,496	6	6	26,342	26,125
Mountain	6,201	6,097	7,245	7,230	6,511	6,472	11	8	19,967	19,806
Arizona	1,967	2,018	2,312	2,326	1,002	1,001	0	0	5,281	5,344
Colorado	1,303	1,235	1,554	1,510	1,223	1,224	5	4	4,085	3,973
Idaho	599	585	461	460	643	604	0	0	1,703	1,649
Montana	391	367	388	386	338	340	0	0	1,117	1,093
Nevada	660	654	679	670	1,093	1,133	1	1	2,432	2,456
New Mexico	436	449	706	718	598	579	0	0	1,739	1,746
Utah	612	594	822	824	766	762	5	3	2,205	2,183
Wyoming	233	195	325	337	848	829	0	0	1,406	1,361
Pacific Contiguous	10,512	10,752	13,075	12,520	6,759	6,791	58	68	30,403	30,131
California	5,996	6,241	9,417	8,951	3,504	3,630	56	65	18,973	18,887
Oregon	1,441	1,501	1,270	1,216	970	937	2	2	3,683	3,656
Washington	3,075	3,010	2,388	2,353	2,284	2,225	1	1	7,747	7,588
Pacific Noncontiguous	389	390	492	492	401	400	0	0	1,282	1,283
Alaska	176	169	233	235	106	110	0	0	515	515
Hawaii	213	221	259	257	295	290	0	0	767	768
U.S. Total	95,334	88,300	101,380	100,839	77,691	80,604	625	604	275,029	270,348

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
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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 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	16,427	15,297	14,353	14,127	8,693	8,909	202	193	39,675	38,527
Connecticut	4,552	4,186	4,190	4,125	1,067	1,120	66	64	9,874	9,495
Maine	1,583	1,475	1,274	1,266	970	973	0	0	3,827	3,714
Massachusetts	6,935	6,449	5,614	5,521	5,261	5,409	127	120	17,938	17,499
New Hampshire	1,589	1,520	1,458	1,438	622	633	0	0	3,669	3,590
Rhode Island	1,030	960	1,153	1,130	297	303	9	9	2,489	2,402
Vermont	738	708	664	647	476	472	0	0	1,878	1,827
Middle Atlantic	44,597	41,763	50,309	49,785	22,493	22,487	1,373	1,358	118,772	115,393
New Jersey	8,501	8,179	11,954	12,178	2,445	2,542	90	101	22,990	23,001
New York	16,331	15,673	24,216	23,790	4,498	4,193	977	957	46,022	44,613
Pennsylvania	19,765	17,910	14,139	13,816	15,550	15,753	306	299	49,760	47,779
East North Central	63,568	58,400	58,208	56,972	63,652	66,785	233	214	185,661	182,370
Illinois	15,082	13,730	16,405	15,815	14,411	14,626	205	190	46,103	44,361
Indiana	11,500	10,246	7,654	7,427	15,204	15,935	8	7	34,366	33,615
Michigan	11,406	10,773	11,914	11,878	9,799	10,223	2	3	33,121	32,877
Ohio	18,002	16,569	14,723	14,470	16,812	18,396	18	14	49,554	49,449
Wisconsin	7,578	7,081	7,512	7,382	7,427	7,604	0	0	22,517	22,067
West North Central	36,465	32,713	32,043	31,032	27,579	28,465	15	14	96,103	92,224
Iowa	5,088	4,581	3,986	3,848	6,166	6,253	0	0	15,240	14,682
Kansas	4,128	3,757	4,705	4,663	3,293	3,501	0	0	12,127	11,921
Minnesota	7,952	7,433	7,290	7,120	7,052	7,279	7	6	22,300	21,838
Missouri	11,855	10,419	9,677	9,345	5,518	5,792	9	8	27,059	25,564
Nebraska	3,567	3,213	2,968	2,901	3,087	3,193	0	0	9,622	9,306
North Dakota	2,063	1,690	1,875	1,687	1,650	1,591	0	0	5,587	4,968
South Dakota	1,813	1,620	1,542	1,468	813	856	0	0	4,167	3,945
South Atlantic	110,051	101,564	93,134	92,911	44,212	45,558	436	422	247,833	240,455
Delaware	1,602	1,436	1,302	1,315	847	888	0	0	3,751	3,638
District of Columbia	676	588	2,582	2,666	75	74	99	98	3,432	3,427
Florida	32,052	31,706	27,423	27,871	5,328	5,386	29	27	64,830	64,991
Georgia	16,988	16,053	14,126	13,975	9,863	10,232	55	52	41,031	40,312
Maryland	9,393	8,521	9,587	9,353	1,240	1,690	184	179	20,404	19,742
North Carolina	19,294	16,933	14,250	14,185	8,358	8,507	2	2	41,904	39,628
South Carolina	9,407	8,501	6,398	6,450	9,146	9,262	0	0	24,951	24,213
Virginia	16,095	13,803	14,965	14,581	5,334	5,602	67	62	36,462	34,049
West Virginia	4,543	4,022	2,501	2,515	4,022	3,919	2	1	11,068	10,456
East South Central	39,078	35,244	27,206	25,052	38,268	41,881	1	1	104,552	102,177
Alabama	9,895	9,025	6,766	6,603	10,886	11,216	0	0	27,547	26,845
Kentucky	9,331	8,274	5,943	5,686	14,653	15,764	0	0	29,927	29,724
Mississippi	5,739	5,256	4,051	4,086	5,312	5,553	0	0	15,103	14,895
Tennessee	14,112	12,688	10,445	8,676	7,417	9,348	1	1	31,975	30,713
West South Central	60,808	57,484	55,777	55,280	49,523	50,493	25	26	166,133	163,283
Arkansas	6,048	5,387	3,555	3,576	5,244	5,423	NM	NM	14,848	14,387
Louisiana	8,905	8,448	7,199	7,242	9,974	10,101	4	4	26,081	25,795
Oklahoma	6,926	6,260	5,714	5,776	5,166	5,281	0	0	17,805	17,317
Texas	38,930	37,388	39,308	38,685	29,140	29,689	21	22	107,399	105,785
Mountain	28,935	27,632	28,683	28,497	25,418	25,262	40	33	83,077	81,425
Arizona	8,665	8,187	8,674	8,555	3,979	3,961	0	0	21,318	20,703
Colorado	5,940	5,714	6,226	6,134	4,804	4,810	19	18	16,990	16,675
Idaho	3,162	3,004	1,967	1,941	2,328	2,246	0	0	7,458	7,190
Montana	1,858	1,807	1,612	1,623	1,361	1,346	0	0	4,830	4,776
Nevada	3,115	2,990	2,678	2,704	4,172	4,214	3	3	9,967	9,910
New Mexico	2,170	2,148	2,764	2,774	2,306	2,269	0	0	7,239	7,191
Utah	2,907	2,730	3,365	3,285	3,178	3,105	19	13	9,469	9,133
Wyoming	1,119	1,053	1,397	1,482	3,291	3,311	0	0	5,806	5,846
Pacific Contiguous	49,706	49,790	51,829	51,873	26,914	26,755	241	274	128,690	128,692
California	27,876	27,865	36,596	36,676	14,118	14,014	231	263	78,821	78,818
Oregon	7,256	7,315	5,211	5,148	3,747	3,736	8	9	16,222	16,207
Washington	14,574	14,610	10,022	10,049	9,049	9,005	2	3	33,647	33,666
Pacific Noncontiguous	1,641	1,726	1,980	2,042	1,572	1,639	0	0	5,193	5,406
Alaska	791	808	974	1,006	435	467	0	0	2,200	2,281
Hawaii	850	918	1,006	1,036	1,137	1,172	0	0	2,993	3,125
U.S. Total	451,277	421,612	413,522	407,570	308,325	318,235	2,565	2,535	1,175,690	1,149,951

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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 2013 and 2012 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	557	502	466	453	255	261	6	3	1,284	1,219
Connecticut	173	151	150	144	36	36	1	2	361	332
Maine	48	44	34	33	21	18	0	0	103	96
Massachusetts	219	201	180	176	160	170	4	1	563	548
New Hampshire	58	54	47	47	18	18	0	0	123	118
Rhode Island	31	28	32	31	8	7	0	0	71	67
Vermont	28	25	24	22	12	11	0	0	63	58
Middle Atlantic	1,438	1,302	1,459	1,493	394	410	39	39	3,331	3,244
New Jersey	270	277	339	358	57	66	3	2	668	703
New York	654	568	806	832	70	71	31	31	1,562	1,502
Pennsylvania	514	457	314	304	267	272	6	6	1,101	1,039
East North Central	1,567	1,417	1,324	1,293	1,023	1,080	3	3	3,917	3,793
Illinois	338	339	319	307	201	213	3	3	860	862
Indiana	246	213	172	169	248	260	0	0	667	642
Michigan	346	299	309	303	190	189	0	0	845	791
Ohio	414	367	326	332	247	281	0	0	987	980
Wisconsin	223	199	197	182	138	136	0	0	557	518
West North Central	781	660	656	607	434	427	0	0	1,870	1,694
Iowa	114	99	77	70	83	80	0	0	273	250
Kansas	99	85	110	107	56	60	0	0	265	252
Minnesota	197	169	162	143	118	114	0	0	477	426
Missouri	225	189	185	173	77	78	0	0	487	440
Nebraska	71	58	59	56	56	55	0	0	187	169
North Dakota	36	28	34	30	29	24	0	0	100	83
South Dakota	38	32	30	27	14	15	0	0	82	74
South Atlantic	2,626	2,450	2,108	2,201	695	737	9	9	5,438	5,396
Delaware	42	39	32	31	18	17	0	0	91	88
District of Columbia	16	13	73	82	1	1	2	2	93	98
Florida	913	923	680	710	105	111	1	1	1,698	1,744
Georgia	378	364	337	332	147	142	1	1	863	839
Maryland	228	212	226	236	25	36	4	3	482	488
North Carolina	415	351	295	305	130	136	0	0	839	792
South Carolina	225	199	145	154	129	139	0	0	499	491
Virginia	329	280	274	301	83	96	1	1	688	678
West Virginia	80	68	46	52	58	58	0	0	184	178
East South Central	845	742	658	611	526	602	0	0	2,029	1,955
Alabama	230	222	174	178	152	164	0	0	557	564
Kentucky	179	150	125	116	184	208	0	0	488	475
Mississippi	134	118	102	96	81	78	0	0	318	292
Tennessee	302	251	256	221	108	152	0	0	666	624
West South Central	1,422	1,352	1,147	1,135	727	661	1	1	3,296	3,148
Arkansas	118	97	70	68	75	71	NM	NM	263	236
Louisiana	174	160	156	145	142	124	0	0	473	430
Oklahoma	147	131	109	105	70	66	0	0	325	302
Texas	982	963	812	816	440	401	1	1	2,236	2,180
Mountain	688	648	660	631	391	374	1	1	1,740	1,653
Arizona	231	224	224	216	63	61	0	0	518	501
Colorado	151	135	147	136	84	82	1	0	383	354
Idaho	52	47	33	31	34	31	0	0	118	109
Montana	40	36	37	35	17	16	0	0	94	87
Nevada	81	81	62	61	60	62	0	0	203	204
New Mexico	49	48	64	61	36	31	0	0	149	141
Utah	60	56	66	64	43	41	0	0	170	162
Wyoming	23	19	28	28	53	49	0	0	104	96
Pacific Contiguous	1,333	1,333	1,493	1,366	513	500	4	5	3,344	3,204
California	930	932	1,204	1,082	365	358	4	5	2,502	2,378
Oregon	140	147	106	103	55	51	0	0	301	300
Washington	263	254	184	181	93	91	0	0	540	526
Pacific Noncontiguous	111	113	127	125	104	108	0	0	342	346
Alaska	33	30	37	34	18	17	0	0	87	81
Hawaii	79	83	90	91	86	91	0	0	255	264
U.S. Total	11,368	10,517	10,098	9,915	5,060	5,158	64	61	26,590	25,651

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Notes: - See Glossary for definitions. - Values 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.
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 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	2,573	2,436	2,039	1,960	1,062	1,057	21	14	5,694	5,466
Connecticut	780	725	621	612	136	144	6	7	1,544	1,488
Maine	228	219	154	153	87	74	0	0	470	446
Massachusetts	1,018	986	812	765	680	684	14	6	2,523	2,440
New Hampshire	260	247	200	195	73	74	0	0	533	516
Rhode Island	159	139	156	143	36	33	1	1	353	316
Vermont	126	120	97	93	49	47	0	0	271	261
Middle Atlantic	6,731	6,239	6,335	6,251	1,632	1,686	166	158	14,864	14,333
New Jersey	1,303	1,311	1,445	1,519	248	260	10	9	3,005	3,100
New York	2,981	2,616	3,575	3,426	292	285	132	126	6,980	6,453
Pennsylvania	2,447	2,312	1,315	1,306	1,092	1,140	24	23	4,879	4,780
East North Central	7,377	6,911	5,458	5,415	4,101	4,299	13	14	16,949	16,638
Illinois	1,555	1,605	1,281	1,321	811	879	11	12	3,658	3,817
Indiana	1,199	1,064	723	688	992	1,027	1	1	2,915	2,779
Michigan	1,592	1,462	1,282	1,255	745	751	0	0	3,620	3,469
Ohio	2,020	1,855	1,375	1,384	1,004	1,090	1	1	4,400	4,330
Wisconsin	1,011	925	797	767	549	551	0	0	2,357	2,243
West North Central	3,663	3,197	2,688	2,458	1,741	1,685	1	1	8,094	7,341
Iowa	528	467	318	287	337	311	0	0	1,182	1,064
Kansas	458	398	440	412	229	234	0	0	1,128	1,044
Minnesota	898	809	658	601	481	465	1	1	2,037	1,876
Missouri	1,110	940	760	684	304	304	1	0	2,174	1,928
Nebraska	329	291	243	231	221	214	0	0	793	736
North Dakota	169	139	146	127	114	103	0	0	430	370
South Dakota	171	152	123	115	55	54	0	0	350	322
South Atlantic	12,049	11,295	8,651	8,714	2,779	2,873	38	34	23,517	22,917
Delaware	207	192	133	130	71	69	0	0	412	390
District of Columbia	82	71	307	327	5	4	10	8	404	410
Florida	3,610	3,620	2,631	2,733	407	431	3	2	6,651	6,787
Georgia	1,784	1,661	1,366	1,305	570	559	4	4	3,724	3,529
Maryland	1,180	1,080	988	995	104	137	16	14	2,288	2,226
North Carolina	2,016	1,800	1,217	1,203	505	520	0	0	3,738	3,522
South Carolina	1,077	975	616	603	513	536	0	0	2,206	2,114
Virginia	1,661	1,506	1,184	1,206	352	373	5	5	3,203	3,091
West Virginia	430	389	209	212	252	245	0	0	892	846
East South Central	3,957	3,550	2,671	2,440	2,141	2,421	0	0	8,769	8,411
Alabama	1,089	1,008	705	695	609	647	0	0	2,403	2,350
Kentucky	881	756	524	486	751	822	0	0	2,155	2,064
Mississippi	598	543	399	386	320	328	0	0	1,318	1,257
Tennessee	1,389	1,243	1,043	874	460	624	0	0	2,893	2,740
West South Central	6,293	5,884	4,503	4,498	2,775	2,704	3	3	13,573	13,088
Arkansas	546	474	279	268	294	283	NM	NM	1,119	1,025
Louisiana	801	702	641	581	576	493	0	0	2,018	1,776
Oklahoma	630	589	411	410	256	266	0	0	1,297	1,265
Texas	4,316	4,119	3,172	3,239	1,649	1,662	2	2	9,139	9,023
Mountain	3,064	2,825	2,547	2,421	1,507	1,435	4	3	7,123	6,683
Arizona	939	852	811	757	245	230	0	0	1,995	1,839
Colorado	671	613	582	538	332	316	2	2	1,587	1,469
Idaho	271	239	136	127	118	109	0	0	524	475
Montana	185	175	151	146	69	67	0	0	405	388
Nevada	364	361	235	242	221	229	0	0	820	832
New Mexico	242	231	253	242	139	125	0	0	634	598
Utah	284	255	263	250	175	162	2	1	724	669
Wyoming	108	98	116	119	209	197	0	0	434	413
Pacific Contiguous	6,324	6,127	5,716	5,585	1,996	1,949	18	22	14,053	13,682
California	4,380	4,198	4,504	4,383	1,413	1,372	17	21	10,314	9,973
Oregon	704	708	434	428	211	205	1	1	1,349	1,342
Washington	1,240	1,221	778	774	373	372	0	0	2,391	2,367
Pacific Noncontiguous	455	482	495	508	415	438	0	0	1,366	1,428
Alaska	139	143	145	149	70	80	0	0	354	373
Hawaii	317	339	351	359	345	357	0	0	1,012	1,055
U.S. Total	52,486	48,945	41,104	40,249	20,149	20,546	263	248	114,002	109,987

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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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 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012	April 2013	April 2012
New England	15.82	15.70	13.69	13.51	11.73	11.57	12.20	6.94	14.04	13.78
Connecticut	17.40	17.68	14.58	14.82	12.54	12.65	10.05	10.89	15.50	15.65
Maine	14.24	14.51	11.50	11.34	7.89	7.14	--	--	11.44	11.21
Massachusetts	14.94	14.81	13.74	13.39	12.59	12.42	13.26	4.31	13.81	13.47
New Hampshire	16.64	16.46	13.43	13.51	11.40	11.62	--	--	14.38	14.31
Rhode Island	14.36	13.15	11.93	11.17	10.83	9.83	13.01	14.55	12.73	11.76
Vermont	17.62	17.03	15.16	14.72	10.16	9.75	--	--	14.73	14.16
Middle Atlantic	15.13	15.05	12.27	12.57	7.12	7.42	11.76	12.01	12.22	12.30
New Jersey	15.44	15.91	12.20	12.19	10.31	10.02	10.53	8.94	13.10	13.12
New York	17.80	16.68	13.97	14.54	5.96	6.57	13.11	13.55	14.38	14.39
Pennsylvania	12.60	13.04	9.39	9.41	7.02	7.21	7.85	8.40	9.74	9.82
East North Central	12.10	12.47	9.51	9.55	6.51	6.40	5.99	6.45	9.18	9.07
Illinois	10.58	12.43	7.94	8.38	5.73	5.91	5.77	6.26	8.00	8.58
Indiana	11.37	11.38	9.67	9.42	6.62	6.56	10.03	9.91	8.66	8.42
Michigan	14.37	13.70	10.84	10.53	7.64	7.26	9.43	7.40	10.91	10.32
Ohio	11.68	11.82	9.51	9.59	5.97	5.83	6.63	6.95	8.88	8.60
Wisconsin	13.57	13.45	10.74	10.43	7.42	7.24	--	--	10.46	10.13
West North Central	10.45	10.49	8.50	8.03	6.31	5.98	7.93	6.99	8.48	8.07
Iowa	10.80	11.26	8.07	7.78	5.34	5.17	--	--	7.69	7.48
Kansas	11.55	11.07	9.44	8.95	7.12	6.73	--	--	9.43	8.83
Minnesota	11.58	11.16	9.12	8.46	6.85	6.33	9.67	8.03	9.18	8.51
Missouri	9.76	9.83	7.99	7.39	5.50	5.28	6.61	6.09	8.08	7.66
Nebraska	9.66	9.90	8.24	8.02	7.10	6.76	--	--	8.30	8.06
North Dakota	8.62	9.22	7.93	7.90	7.21	6.66	--	--	7.93	7.86
South Dakota	9.77	10.12	8.12	7.98	6.65	6.37	--	--	8.47	8.32
South Atlantic	11.17	11.40	9.24	9.28	6.23	6.24	8.61	8.15	9.45	9.45
Delaware	13.38	13.91	10.41	9.85	8.46	7.70	--	--	11.02	10.66
District of Columbia	12.36	12.48	11.84	12.28	4.86	5.50	9.75	8.43	11.70	12.03
Florida	11.14	11.40	9.42	9.67	7.54	7.87	8.61	8.42	10.10	10.35
Georgia	10.80	10.59	9.69	9.27	5.86	5.51	7.03	7.45	9.08	8.73
Maryland	12.78	12.91	10.25	10.55	8.58	8.05	8.66	7.97	11.16	11.15
North Carolina	11.04	11.32	8.55	8.35	5.93	6.01	7.87	7.88	8.94	8.78
South Carolina	11.86	11.76	9.43	9.27	5.47	5.77	--	--	8.62	8.54
Virginia	10.61	11.42	7.93	8.21	6.52	6.58	8.14	8.67	8.76	8.94
West Virginia	9.67	9.84	8.60	8.51	6.32	5.89	8.48	8.11	8.07	7.78
East South Central	10.45	10.40	9.85	9.71	5.43	5.71	12.13	10.32	8.30	8.15
Alabama	11.40	11.47	10.35	10.45	5.45	5.79	--	--	8.57	8.72
Kentucky	9.87	9.50	8.95	8.63	5.02	5.26	--	--	7.10	6.89
Mississippi	11.18	10.58	10.23	9.18	5.93	5.61	--	--	8.90	8.22
Tennessee	9.88	10.06	9.86	10.07	5.82	6.40	12.13	10.32	8.87	8.83
West South Central	10.78	10.46	8.10	7.96	5.64	5.17	10.30	10.27	8.19	7.87
Arkansas	9.38	9.35	7.92	7.40	5.54	5.09	NM	NM	7.53	7.05
Louisiana	9.12	8.37	8.81	7.77	5.62	4.83	9.08	7.92	7.61	6.76
Oklahoma	10.31	10.22	7.56	6.87	5.23	4.90	--	--	7.76	7.27
Texas	11.44	11.09	8.07	8.21	5.73	5.34	10.50	10.62	8.49	8.35
Mountain	11.09	10.62	9.10	8.73	6.01	5.78	10.03	9.40	8.71	8.35
Arizona	11.74	11.12	9.69	9.27	6.29	6.07	--	--	9.81	9.37
Colorado	11.58	10.97	9.46	8.98	6.89	6.72	10.40	9.46	9.37	8.90
Idaho	8.66	7.99	7.09	6.69	5.26	5.15	--	--	6.95	6.59
Montana	10.15	9.87	9.51	9.07	5.17	4.76	--	--	8.42	7.99
Nevada	12.28	12.40	9.08	9.08	5.51	5.48	7.38	7.70	8.35	8.30
New Mexico	11.33	10.78	9.03	8.50	5.99	5.41	--	--	8.56	8.06
Utah	9.88	9.48	8.00	7.82	5.65	5.39	9.96	9.67	7.71	7.43
Wyoming	9.94	9.74	8.57	8.26	6.30	5.93	--	--	7.43	7.05
Pacific Contiguous	12.68	12.40	11.42	10.91	7.59	7.36	7.25	7.98	11.00	10.63
California	15.50	14.93	12.78	12.09	10.42	9.88	7.18	7.96	13.19	12.59
Oregon	9.73	9.76	8.33	8.45	5.69	5.41	8.93	8.41	8.18	8.21
Washington	8.56	8.45	7.71	7.68	4.05	4.08	8.31	8.65	6.97	6.93
Pacific Noncontiguous	28.63	28.89	25.78	25.40	25.85	26.94	--	--	26.67	26.94
Alaska	18.52	17.60	15.86	14.56	16.56	15.56	--	--	16.91	15.77
Hawaii	36.96	37.52	34.73	35.31	29.20	31.29	--	--	33.22	34.43
U.S. Total	11.92	11.91	9.96	9.83	6.51	6.40	10.23	10.02	9.67	9.49

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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through April 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD	April 2013 YTD	April 2012 YTD
New England	15.66	15.93	14.20	13.87	12.22	11.86	10.33	7.17	14.35	14.19
Connecticut	17.15	17.32	14.83	14.82	12.80	12.88	9.39	10.74	15.64	15.67
Maine	14.42	14.85	12.09	12.09	9.00	7.62	--	--	12.27	12.01
Massachusetts	14.68	15.29	14.45	13.85	12.92	12.65	10.65	4.74	14.07	13.94
New Hampshire	16.38	16.27	13.69	13.57	11.77	11.64	--	--	14.53	14.37
Rhode Island	15.49	14.46	13.51	12.63	12.29	10.95	12.62	14.09	14.18	13.15
Vermont	17.04	16.99	14.53	14.34	10.23	10.05	--	--	14.42	14.26
Middle Atlantic	15.09	14.94	12.59	12.56	7.26	7.50	12.09	11.66	12.51	12.42
New Jersey	15.33	16.03	12.09	12.47	10.13	10.25	10.66	9.22	13.07	13.48
New York	18.25	16.69	14.76	14.40	6.50	6.80	13.53	13.17	15.17	14.46
Pennsylvania	12.38	12.91	9.30	9.45	7.02	7.24	7.94	7.66	9.80	10.01
East North Central	11.61	11.83	9.38	9.50	6.44	6.44	5.73	6.32	9.13	9.12
Illinois	10.31	11.69	7.81	8.35	5.62	6.01	5.49	6.14	7.93	8.60
Indiana	10.43	10.38	9.44	9.26	6.52	6.45	9.81	9.95	8.48	8.27
Michigan	13.96	13.57	10.76	10.57	7.60	7.35	9.44	7.42	10.93	10.55
Ohio	11.22	11.19	9.34	9.56	5.97	5.93	6.37	6.71	8.88	8.76
Wisconsin	13.34	13.06	10.61	10.39	7.40	7.25	--	--	10.47	10.16
West North Central	10.05	9.77	8.39	7.92	6.31	5.92	7.42	6.76	8.42	7.96
Iowa	10.37	10.19	7.98	7.46	5.46	4.97	--	--	7.76	7.25
Kansas	11.11	10.60	9.34	8.84	6.97	6.68	--	--	9.30	8.76
Minnesota	11.29	10.89	9.03	8.45	6.82	6.39	9.30	8.39	9.14	8.59
Missouri	9.36	9.02	7.85	7.32	5.51	5.24	6.02	5.54	8.03	7.54
Nebraska	9.23	9.05	8.19	7.98	7.15	6.69	--	--	8.24	7.91
North Dakota	8.20	8.25	7.81	7.53	6.93	6.49	--	--	7.70	7.44
South Dakota	9.45	9.40	8.01	7.83	6.73	6.35	--	--	8.39	8.15
South Atlantic	10.95	11.12	9.29	9.38	6.29	6.31	8.62	7.94	9.49	9.53
Delaware	12.94	13.34	10.24	9.90	8.43	7.74	--	--	10.99	10.73
District of Columbia	12.12	12.12	11.90	12.27	6.47	5.14	9.74	8.30	11.76	11.97
Florida	11.26	11.42	9.60	9.81	7.63	8.00	8.78	8.50	10.26	10.44
Georgia	10.50	10.35	9.67	9.34	5.78	5.46	7.27	7.13	9.08	8.76
Maryland	12.56	12.68	10.30	10.64	8.37	8.14	8.59	7.60	11.21	11.28
North Carolina	10.45	10.63	8.54	8.48	6.04	6.11	7.88	7.72	8.92	8.89
South Carolina	11.45	11.47	9.63	9.35	5.61	5.79	--	--	8.84	8.73
Virginia	10.32	10.91	7.91	8.27	6.60	6.66	8.08	8.77	8.78	9.08
West Virginia	9.47	9.68	8.35	8.44	6.27	6.24	10.36	8.88	8.06	8.09
East South Central	10.13	10.07	9.82	9.74	5.59	5.78	11.56	11.43	8.39	8.23
Alabama	11.01	11.17	10.42	10.52	5.60	5.77	--	--	8.72	8.75
Kentucky	9.44	9.14	8.82	8.54	5.12	5.21	--	--	7.20	6.94
Mississippi	10.42	10.33	9.86	9.44	6.03	5.91	--	--	8.72	8.44
Tennessee	9.85	9.79	9.99	10.07	6.20	6.67	11.56	11.43	9.05	8.92
West South Central	10.35	10.24	8.07	8.14	5.60	5.35	10.36	10.21	8.17	8.02
Arkansas	9.02	8.80	7.86	7.49	5.60	5.22	NM	NM	7.53	7.12
Louisiana	9.00	8.31	8.90	8.02	5.77	4.88	9.45	8.22	7.74	6.88
Oklahoma	9.09	9.41	7.19	7.10	4.96	5.03	--	--	7.28	7.31
Texas	11.09	11.02	8.07	8.37	5.66	5.60	10.52	10.52	8.51	8.53
Mountain	10.59	10.22	8.88	8.50	5.93	5.68	10.03	9.08	8.57	8.21
Arizona	10.83	10.41	9.35	8.85	6.15	5.80	--	--	9.36	8.88
Colorado	11.30	10.74	9.35	8.77	6.91	6.57	10.46	9.15	9.34	8.81
Idaho	8.56	7.97	6.90	6.54	5.07	4.85	--	--	7.03	6.61
Montana	9.95	9.67	9.34	9.01	5.10	4.96	--	--	8.38	8.12
Nevada	11.69	12.07	8.78	8.94	5.29	5.43	7.39	7.51	8.23	8.39
New Mexico	11.16	10.73	9.16	8.72	6.01	5.53	--	--	8.75	8.31
Utah	9.76	9.35	7.83	7.62	5.51	5.21	9.96	9.30	7.65	7.32
Wyoming	9.69	9.32	8.34	8.01	6.35	5.94	--	--	7.47	7.07
Pacific Contiguous	12.72	12.31	11.03	10.77	7.42	7.29	7.30	7.89	10.92	10.63
California	15.71	15.06	12.31	11.95	10.01	9.79	7.24	7.88	13.08	12.65
Oregon	9.70	9.68	8.32	8.32	5.62	5.50	8.81	8.21	8.31	8.28
Washington	8.51	8.36	7.76	7.70	4.12	4.13	8.22	8.43	7.11	7.03
Pacific Noncontiguous	27.75	27.93	25.02	24.89	26.42	26.71	--	--	26.31	26.41
Alaska	17.55	17.75	14.87	14.80	16.12	17.21	--	--	16.08	16.34
Hawaii	37.24	36.88	34.86	34.69	30.37	30.51	--	--	33.83	33.77
U.S. Total	11.63	11.61	9.94	9.88	6.53	6.46	10.26	9.77	9.70	9.56

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values 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.
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 A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**8**	**7**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	37	0	2	0	0	48
Maine	0	3	0	5	0	0	14
Massachusetts	9	24	0	1	0	0	25
New Hampshire	0	56	0	19	0	0	13
Rhode Island	0	36	0	1	0	0	421
Vermont	0	175	0	0	0	0	30
Middle Atlantic	**2**	**4**	**136**	**1**	**13**	**0**	**3**
New Jersey	0	22	0	2	71	0	205
New York	10	5	0	2	0	0	4
Pennsylvania	2	6	136	1	8	0	11
East North Central	**0**	**2**	**5**	**1**	**10**	**0**	**19**
Illinois	0	3	0	3	44	0	74
Indiana	1	5	0	4	10	0	28
Michigan	2	5	62	3	0	0	37
Ohio	1	2	0	1	67	0	36
Wisconsin	1	15	0	3	0	0	31
West North Central	**1**	**3**	**0**	**7**	**131**	**0**	**7**
Iowa	3	3	0	40	0	0	47
Kansas	0	7	0	44	0	0	272
Minnesota	4	39	0	3	0	0	51
Missouri	1	5	0	8	0	0	6
Nebraska	3	5	0	60	0	0	35
North Dakota	4	18	0	123	131	0	0
South Dakota	10	58	0	67	0	0	0
South Atlantic	**1**	**2**	**0**	**1**	**0**	**0**	**6**
Delaware	4	36	0	2	0	0	0
District of Columbia	0	0	0	108	0	0	0
Florida	1	3	0	1	0	0	82
Georgia	0	9	0	2	0	0	13
Maryland	0	9	0	6	0	0	26
North Carolina	1	10	0	2	0	0	9
South Carolina	0	8	0	5	0	0	18
Virginia	6	12	0	1	0	0	20
West Virginia	0	0	0	9	0	0	15
East South Central	**1**	**8**	**0**	**2**	**19**	**0**	**4**
Alabama	1	21	0	4	20	0	4
Kentucky	1	7	0	8	0	0	7
Mississippi	0	6	0	3	0	0	0
Tennessee	0	5	0	8	0	0	7
West South Central	**0**	**6**	**4**	**1**	**4**	**0**	**7**
Arkansas	0	16	0	6	0	0	11
Louisiana	0	13	4	3	4	0	0
Oklahoma	1	4	0	2	0	0	9
Texas	0	9	5	1	5	0	42
Mountain	**1**	**7**	**0**	**2**	**12**	**0**	**4**
Arizona	0	6	0	2	0	0	3
Colorado	1	85	0	7	0	0	27
Idaho	89	459	0	9	0	0	8
Montana	6	84	0	162	0	0	6
Nevada	0	3	0	3	0	0	3
New Mexico	0	20	0	5	0	0	96
Utah	3	7	0	8	128	0	40
Wyoming	3	9	0	21	7	0	20
Pacific Contiguous	**6**	**12**	**148**	**3**	**5**	**0**	**1**
California	18	11	148	3	6	0	5
Oregon	0	12	0	2	0	0	3
Washington	0	44	0	9	0	0	1
Pacific Noncontiguous	**6**	**1**	**0**	**10**	**119**	**0**	**26**
Alaska	23	3	0	10	544	0	26
Hawaii	4	1	0	0	120	0	154
U.S. Total	**0**	**1**	**2**	**1**	**4**	**0**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**56**	**4**	**0**	**5**	**1**
Connecticut	0	0	0	0	14	0	6	1
Maine	0	0	0	0	3	0	25	5
Massachusetts	0	0	0	60	9	0	7	2
New Hampshire	0	0	0	0	16	0	45	2
Rhode Island	0	0	0	0	59	0	0	2
Vermont	0	0	0	150	18	0	0	7
Middle Atlantic	**0**	**0**	**0**	**22**	**3**	**0**	**5**	**1**
New Jersey	0	0	0	26	14	0	8	1
New York	0	0	0	0	3	0	10	1
Pennsylvania	0	0	0	59	3	0	8	1
East North Central	**0**	**0**	**0**	**47**	**1**	**0**	**10**	**0**
Illinois	0	0	0	65	1	0	39	0
Indiana	0	0	0	264	2	0	4	1
Michigan	0	0	0	0	5	0	15	1
Ohio	0	0	0	68	6	0	0	1
Wisconsin	0	0	0	0	5	0	49	1
West North Central	**0**	**0**	**0**	**287**	**1**	**0**	**14**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	1	0	0	2
Minnesota	0	0	0	287	2	0	15	2
Missouri	0	0	0	0	4	0	0	1
Nebraska	0	0	0	0	3	0	0	3
North Dakota	0	0	0	0	1	0	59	3
South Dakota	0	0	0	0	0	0	0	3
South Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**5**	**0**
Delaware	0	0	0	76	55	0	0	2
District of Columbia	0	0	0	0	0	0	0	108
Florida	0	0	0	17	5	0	5	1
Georgia	0	0	0	252	4	0	9	1
Maryland	0	0	0	72	8	0	2	1
North Carolina	0	0	0	35	7	0	59	1
South Carolina	0	0	0	0	4	0	0	1
Virginia	0	0	0	0	7	0	11	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**121**	**4**	**0**	**67**	**1**
Alabama	0	0	0	0	5	0	0	1
Kentucky	0	0	0	0	21	0	0	1
Mississippi	0	0	0	0	3	0	366	1
Tennessee	0	0	0	121	12	0	0	1
West South Central	**0**	**0**	**0**	**31**	**0**	**0**	**18**	**1**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	7	0	11	1
Oklahoma	0	0	0	0	1	0	187	1
Texas	0	0	0	31	1	0	33	1
Mountain	**0**	**5**	**0**	**6**	**1**	**0**	**8**	**1**
Arizona	0	0	0	8	6	0	0	0
Colorado	0	0	0	18	1	0	70	2
Idaho	0	36	0	0	4	0	0	6
Montana	0	0	0	0	2	0	0	4
Nevada	0	5	0	6	4	0	60	2
New Mexico	0	0	0	28	4	0	0	2
Utah	0	9	0	328	9	0	9	3
Wyoming	0	0	0	0	1	0	0	3
Pacific Contiguous	**0**	**3**	**0**	**7**	**1**	**0**	**16**	**1**
California	0	3	0	7	1	0	20	2
Oregon	0	0	0	115	1	0	55	2
Washington	0	0	0	0	1	0	25	1
Pacific Noncontiguous	**0**	**0**	**0**	**128**	**8**	**0**	**0**	**3**
Alaska	0	0	0	0	33	0	0	8
Hawaii	0	0	0	128	8	0	0	2
U.S. Total	**0**	**3**	**0**	**5**	**1**	**0**	**4**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**1**	**0**	**0**	**5**
Connecticut	0	4	0	1	0	0	23
Maine	0	3	0	3	0	0	7
Massachusetts	3	9	0	1	0	0	14
New Hampshire	0	16	0	1	0	0	8
Rhode Island	0	22	0	1	0	0	200
Vermont	0	131	0	0	0	0	14
Middle Atlantic	**1**	**3**	**77**	**1**	**6**	**0**	**2**
New Jersey	0	8	0	1	25	0	104
New York	2	4	0	1	0	0	2
Pennsylvania	1	8	77	1	5	0	6
East North Central	**0**	**3**	**2**	**1**	**4**	**0**	**9**
Illinois	0	4	0	2	16	0	38
Indiana	0	8	0	2	4	0	15
Michigan	1	9	34	2	0	0	18
Ohio	0	3	0	1	23	0	18
Wisconsin	0	9	0	1	0	0	15
West North Central	**0**	**4**	**0**	**3**	**45**	**0**	**4**
Iowa	1	4	0	10	0	0	24
Kansas	0	7	0	22	0	0	138
Minnesota	2	24	0	2	0	0	25
Missouri	0	9	0	3	0	0	7
Nebraska	1	4	0	26	0	0	17
North Dakota	1	10	0	59	45	0	0
South Dakota	3	19	0	35	0	0	0
South Atlantic	**0**	**3**	**0**	**0**	**0**	**0**	**3**
Delaware	2	21	0	2	0	0	0
District of Columbia	0	0	0	73	0	0	0
Florida	0	6	0	1	0	0	40
Georgia	0	9	0	1	0	0	7
Maryland	0	15	0	8	0	0	2
North Carolina	0	10	0	1	0	0	4
South Carolina	0	15	0	2	0	0	9
Virginia	1	4	0	1	0	0	12
West Virginia	0	0	0	8	0	0	7
East South Central	**0**	**5**	**0**	**1**	**8**	**0**	**2**
Alabama	0	12	0	2	9	0	2
Kentucky	0	8	0	6	0	0	4
Mississippi	0	12	0	1	0	0	0
Tennessee	0	5	0	1	0	0	3
West South Central	**0**	**3**	**2**	**1**	**2**	**0**	**5**
Arkansas	0	8	0	2	0	0	8
Louisiana	0	3	2	2	2	0	0
Oklahoma	0	7	0	1	0	0	9
Texas	0	5	3	1	2	0	20
Mountain	**0**	**3**	**0**	**1**	**5**	**0**	**2**
Arizona	0	3	0	1	0	0	1
Colorado	1	34	0	2	0	0	11
Idaho	30	385	0	2	0	0	5
Montana	2	25	0	70	0	0	3
Nevada	0	2	0	1	0	0	2
New Mexico	0	7	0	3	0	0	45
Utah	1	5	0	4	58	0	20
Wyoming	1	4	0	9	3	0	12
Pacific Contiguous	**1**	**18**	**82**	**1**	**2**	**0**	**1**
California	9	7	82	1	3	0	3
Oregon	0	81	0	0	0	0	1
Washington	0	43	0	2	0	0	1
Pacific Noncontiguous	**3**	**2**	**0**	**5**	**53**	**0**	**11**
Alaska	7	2	0	5	195	0	11
Hawaii	2	2	0	0	54	0	60
U.S. Total	**0**	**1**	**1**	**0**	**2**	**0**	**1**

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Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**31**	**2**	**0**	**2**	**1**
Connecticut	0	0	0	0	6	0	3	1
Maine	0	0	0	0	1	0	8	2
Massachusetts	0	0	0	33	4	0	3	1
New Hampshire	0	0	0	0	7	0	19	1
Rhode Island	0	0	0	0	24	0	0	2
Vermont	0	0	0	80	7	0	0	4
Middle Atlantic	**0**	**0**	**0**	**12**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	15	6	0	4	1
New York	0	0	0	5	2	0	4	1
Pennsylvania	0	0	0	35	1	0	3	0
East North Central	**0**	**0**	**0**	**28**	**1**	**0**	**4**	**0**
Illinois	0	0	0	38	1	0	13	0
Indiana	0	0	0	140	1	0	2	0
Michigan	0	0	0	0	2	0	7	1
Ohio	0	0	0	44	3	0	0	0
Wisconsin	0	0	0	0	3	0	18	0
West North Central	**0**	**0**	**0**	**152**	**0**	**0**	**6**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	152	1	0	7	1
Missouri	0	0	0	0	1	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	25	1
South Dakota	0	0	0	0	1	0	0	1
South Atlantic	**0**	**0**	**0**	**11**	**1**	**0**	**2**	**0**
Delaware	0	0	0	40	25	0	0	1
District of Columbia	0	0	0	0	0	0	0	73
Florida	0	0	0	9	2	0	2	0
Georgia	0	0	0	134	2	0	15	0
Maryland	0	0	0	39	3	0	1	0
North Carolina	0	0	0	20	3	0	20	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	3	0	4	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**121**	**2**	**0**	**18**	**0**
Alabama	0	0	0	0	2	0	0	1
Kentucky	0	0	0	0	8	0	0	0
Mississippi	0	0	0	0	2	0	90	1
Tennessee	0	0	0	121	5	0	0	0
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**7**	**0**
Arkansas	0	0	0	0	2	0	0	1
Louisiana	0	0	0	0	3	0	4	1
Oklahoma	0	0	0	0	1	0	71	0
Texas	0	0	0	16	0	0	12	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**3**	**0**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	13	1	0	25	1
Idaho	0	13	0	0	3	0	0	3
Montana	0	0	0	0	1	0	0	2
Nevada	0	2	0	3	2	0	25	1
New Mexico	0	0	0	14	2	0	0	1
Utah	0	3	0	174	4	0	3	1
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**1**	**0**	**4**	**1**	**0**	**5**	**0**
California	0	1	0	4	1	0	6	1
Oregon	0	0	0	61	1	0	23	1
Washington	0	0	0	0	1	0	10	1
Pacific Noncontiguous	**0**	**0**	**0**	**74**	**5**	**0**	**0**	**2**
Alaska	0	0	0	0	23	0	0	4
Hawaii	0	0	0	74	4	0	0	2
U.S. Total	**0**	**1**	**0**	**3**	**0**	**0**	**1**	**0**

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Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**10**	**0**	**105**	**0**	**0**	**25**
Connecticut	0	35	0	298	0	0	159
Maine	0	85	0	0	0	0	0
Massachusetts	0	28	0	7	0	0	64
New Hampshire	0	3	0	0	0	0	18
Rhode Island	0	21	0	0	0	0	0
Vermont	0	90	0	0	0	0	48
Middle Atlantic	**492**	**7**	**0**	**5**	**0**	**0**	**2**
New Jersey	0	185	0	0	0	0	0
New York	492	7	0	5	0	0	2
Pennsylvania	0	142	0	801	0	0	7
East North Central	**1**	**3**	**0**	**2**	**0**	**0**	**20**
Illinois	0	8	0	7	0	0	165
Indiana	1	4	0	2	0	0	28
Michigan	2	5	0	12	0	0	40
Ohio	1	3	0	1	0	0	36
Wisconsin	1	15	0	7	0	0	32
West North Central	**1**	**3**	**0**	**9**	**0**	**0**	**7**
Iowa	3	3	0	41	0	0	47
Kansas	0	7	0	45	0	0	0
Minnesota	4	43	0	4	0	0	62
Missouri	1	5	0	11	0	0	6
Nebraska	3	5	0	69	0	0	35
North Dakota	4	17	0	0	0	0	0
South Dakota	10	62	0	67	0	0	0
South Atlantic	**0**	**2**	**0**	**1**	**0**	**0**	**7**
Delaware	0	184	0	419	0	0	0
Florida	0	3	0	1	0	0	82
Georgia	0	2	0	1	0	0	13
Maryland	0	25	0	0	0	0	0
North Carolina	0	3	0	3	0	0	9
South Carolina	0	10	0	4	0	0	18
Virginia	0	5	0	0	0	0	20
West Virginia	0	0	0	0	0	0	54
East South Central	**1**	**2**	**0**	**5**	**0**	**0**	**4**
Alabama	1	0	0	12	0	0	4
Kentucky	1	7	0	2	0	0	7
Mississippi	0	8	0	3	0	0	0
Tennessee	0	0	0	0	0	0	8
West South Central	**0**	**13**	**0**	**3**	**0**	**0**	**8**
Arkansas	0	0	0	80	0	0	11
Louisiana	0	160	0	4	0	0	0
Oklahoma	0	3	0	2	0	0	9
Texas	0	17	0	5	0	0	43
Mountain	**1**	**7**	**0**	**2**	**0**	**0**	**4**
Arizona	0	6	0	5	0	0	3
Colorado	1	85	0	8	0	0	27
Idaho	0	459	0	23	0	0	8
Montana	155	699	0	174	0	0	7
Nevada	0	4	0	0	0	0	1
New Mexico	0	17	0	7	0	0	96
Utah	3	7	0	6	0	0	41
Wyoming	2	8	0	276	0	0	19
Pacific Contiguous	**0**	**9**	**0**	**4**	**214**	**0**	**1**
California	0	6	0	5	214	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	243	0	12	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**10**	**0**	**0**	**26**
Alaska	0	3	0	10	0	0	26
Hawaii	0	2	0	0	0	0	315
U.S. Total	**0**	**1**	**0**	**1**	**22**	**0**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**151**	**7**	**0**	**0**	**17**
Connecticut	0	0	0	0	0	0	0	139
Maine	0	0	0	0	0	0	0	85
Massachusetts	0	0	0	151	42	0	0	45
New Hampshire	0	0	0	0	0	0	0	11
Rhode Island	0	0	0	0	0	0	0	21
Vermont	0	0	0	0	0	0	0	33
Middle Atlantic	**0**	**0**	**0**	**68**	**68**	**0**	**0**	**2**
New Jersey	0	0	0	68	68	0	0	9
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	7
East North Central	**0**	**0**	**0**	**175**	**4**	**0**	**0**	**1**
Illinois	0	0	0	0	71	0	0	1
Indiana	0	0	0	0	40	0	0	1
Michigan	0	0	0	0	2	0	0	2
Ohio	0	0	0	175	70	0	0	1
Wisconsin	0	0	0	0	1	0	0	2
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**9**	**1**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	119	0	0	1
Nebraska	0	0	0	0	18	0	0	3
North Dakota	0	0	0	0	1	0	59	3
South Dakota	0	0	0	0	1	0	0	5
South Atlantic	**0**	**0**	**0**	**8**	**12**	**0**	**0**	**0**
Delaware	0	0	0	328	328	0	0	339
Florida	0	0	0	0	15	0	0	1
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	374	384	0	0	88
North Carolina	0	0	0	160	160	0	0	1
South Carolina	0	0	0	0	17	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**69**	**0**	**0**	**1**
Alabama	0	0	0	0	527	0	0	1
Kentucky	0	0	0	0	70	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	2
Louisiana	0	0	0	0	0	0	0	2
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	3	0	0	2
Mountain	**0**	**0**	**0**	**39**	**3**	**0**	**60**	**1**
Arizona	0	0	0	39	38	0	0	0
Colorado	0	0	0	0	24	0	0	2
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	60	0
New Mexico	0	0	0	374	374	0	0	2
Utah	0	0	0	0	0	0	0	3
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**33**	**1**	**0**	**0**	**1**
California	0	0	0	33	5	0	0	2
Oregon	0	0	0	194	3	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**5**
Alaska	0	0	0	0	52	0	0	9
Hawaii	0	0	0	0	0	0	0	2
U.S. Total	**0**	**0**	**0**	**19**	**1**	**0**	**9**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**3**	**0**	**25**	**0**	**0**	**13**
Connecticut	0	34	0	147	0	0	75
Maine	0	71	0	0	0	0	0
Massachusetts	0	1	0	2	0	0	31
New Hampshire	0	1	0	0	0	0	11
Rhode Island	0	18	0	0	0	0	0
Vermont	0	120	0	0	0	0	24
Middle Atlantic	**312**	**3**	**0**	**3**	**0**	**0**	**1**
New Jersey	0	351	0	0	0	0	0
New York	312	3	0	3	0	0	1
Pennsylvania	0	119	0	493	0	0	4
East North Central	**0**	**2**	**0**	**1**	**0**	**0**	**10**
Illinois	0	13	0	10	0	0	81
Indiana	0	6	0	1	0	0	15
Michigan	1	3	0	5	0	0	19
Ohio	0	3	0	1	0	0	18
Wisconsin	0	10	0	2	0	0	16
West North Central	**0**	**4**	**0**	**4**	**0**	**0**	**4**
Iowa	1	4	0	9	0	0	24
Kansas	0	7	0	22	0	0	0
Minnesota	2	21	0	1	0	0	30
Missouri	0	9	0	4	0	0	7
Nebraska	1	4	0	28	0	0	17
North Dakota	1	9	0	0	0	0	0
South Dakota	3	20	0	35	0	0	0
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**3**
Delaware	0	349	0	255	0	0	0
Florida	0	6	0	1	0	0	40
Georgia	0	6	0	0	0	0	7
Maryland	0	43	0	0	0	0	0
North Carolina	0	10	0	2	0	0	4
South Carolina	0	16	0	2	0	0	9
Virginia	0	3	0	0	0	0	12
West Virginia	0	0	0	0	0	0	25
East South Central	**0**	**3**	**0**	**2**	**0**	**0**	**2**
Alabama	0	0	0	6	0	0	2
Kentucky	0	8	0	2	0	0	4
Mississippi	0	17	0	1	0	0	0
Tennessee	0	0	0	0	0	0	3
West South Central	**0**	**6**	**0**	**2**	**0**	**0**	**6**
Arkansas	0	0	0	52	0	0	8
Louisiana	0	18	0	3	0	0	0
Oklahoma	0	6	0	1	0	0	9
Texas	0	10	0	3	0	0	21
Mountain	**0**	**3**	**0**	**1**	**0**	**0**	**2**
Arizona	0	2	0	1	0	0	1
Colorado	1	34	0	2	0	0	11
Idaho	0	385	0	3	0	0	5
Montana	55	436	0	73	0	0	4
Nevada	0	2	0	0	0	0	1
New Mexico	0	6	0	4	0	0	45
Utah	1	5	0	2	0	0	20
Wyoming	1	3	0	123	0	0	12
Pacific Contiguous	**0**	**26**	**0**	**1**	**101**	**0**	**1**
California	0	3	0	2	101	0	3
Oregon	0	0	0	0	0	0	1
Washington	0	373	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**5**	**0**	**0**	**11**
Alaska	0	2	0	5	0	0	11
Hawaii	0	1	0	0	0	0	154
U.S. Total	**0**	**1**	**0**	**0**	**17**	**0**	**1**

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Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, Year-to-Date through April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**88**	**2**	**0**	**0**	**3**
Connecticut	0	0	0	0	0	0	0	69
Maine	0	0	0	0	0	0	0	71
Massachusetts	0	0	0	88	28	0	0	16
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	18
Vermont	0	0	0	0	0	0	0	13
Middle Atlantic	**0**	**0**	**0**	**40**	**40**	**0**	**0**	**1**
New Jersey	0	0	0	40	40	0	0	4
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	4
East North Central	**0**	**0**	**0**	**99**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	50	0	0	1
Indiana	0	0	0	0	16	0	0	0
Michigan	0	0	0	0	2	0	0	1
Ohio	0	0	0	99	42	0	0	0
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	2	0	0	1
Missouri	0	0	0	0	45	0	0	0
Nebraska	0	0	0	0	8	0	0	1
North Dakota	0	0	0	0	1	0	25	1
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**4**	**3**	**0**	**0**	**0**
Delaware	0	0	0	174	174	0	0	209
Florida	0	0	0	0	6	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	198	181	0	0	54
North Carolina	0	0	0	238	156	0	0	0
South Carolina	0	0	0	0	6	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**27**	**0**	**0**	**0**
Alabama	0	0	0	0	205	0	0	1
Kentucky	0	0	0	0	27	0	0	0
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**21**	**1**	**0**	**25**	**0**
Arizona	0	0	0	21	20	0	0	0
Colorado	0	0	0	0	10	0	0	1
Idaho	0	0	0	0	0	0	0	4
Montana	0	0	0	0	13	0	0	5
Nevada	0	0	0	0	0	0	25	0
New Mexico	0	0	0	216	216	0	0	1
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**18**	**1**	**0**	**0**	**1**
California	0	0	0	18	3	0	0	1
Oregon	0	0	0	108	2	0	0	1
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**18**	**0**	**0**	**2**
Alaska	0	0	0	0	37	0	0	4
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**0**	**0**	**10**	**0**	**0**	**3**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**9**	**5**	**0**	**1**	**0**	**0**	**11**
Connecticut	0	33	0	1	0	0	51
Maine	0	0	0	0	0	0	15
Massachusetts	9	44	0	1	0	0	26
New Hampshire	0	5,166	0	0	0	0	16
Rhode Island	0	240	0	1	0	0	421
Vermont	0	0	0	0	0	0	38
Middle Atlantic	**2**	**5**	**0**	**1**	**0**	**0**	**13**
New Jersey	0	13	0	2	0	0	205
New York	9	14	0	2	0	0	15
Pennsylvania	2	6	0	1	0	0	22
East North Central	**0**	**4**	**0**	**1**	**0**	**0**	**63**
Illinois	0	0	0	2	0	0	68
Indiana	0	173,846	0	10	0	0	0
Michigan	0	0	0	2	0	0	99
Ohio	1	1	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	153
West North Central	**0**	**58**	**0**	**4**	**0**	**0**	**94**
Iowa	0	74	0	8,237	0	0	486
Kansas	0	0	0	0	0	0	272
Minnesota	0	245	0	4	0	0	101
Missouri	0	0	0	7	0	0	0
South Dakota	0	99	0	0	0	0	0
South Atlantic	**3**	**9**	**0**	**3**	**0**	**0**	**23**
Delaware	4	37	0	2	0	0	0
Florida	9	36	0	10	0	0	0
Georgia	0	1,198	0	6	0	0	354
Maryland	0	9	0	5	0	0	26
North Carolina	30	230	0	0	0	0	193
South Carolina	0	0	0	58	0	0	158
Virginia	38	25	0	3	0	0	136
West Virginia	1	0	0	0	0	0	15
East South Central	**0**	**84**	**0**	**1**	**0**	**0**	**372**
Alabama	0	84	0	1	0	0	0
Kentucky	0	0	0	365	0	0	372
Mississippi	0	0	0	2	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**8**
Arkansas	0	0	0	0	0	0	167
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	5	0	0	0
Texas	0	0	0	1	0	0	180
Mountain	**6**	**72**	**0**	**3**	**0**	**0**	**13**
Arizona	0	0	0	1	0	0	0
Colorado	97	0	0	11	0	0	104
Idaho	0	0	0	6	0	0	37
Montana	5	59	0	438	0	0	13
Nevada	0	0	0	15	0	0	177
New Mexico	0	375	0	6	0	0	0
Utah	106	427	0	77	0	0	392
Wyoming	99	0	0	531	0	0	446
Pacific Contiguous	**19**	**24**	**148**	**3**	**0**	**0**	**26**
California	24	28	148	3	0	0	31
Oregon	0	0	0	2	0	0	67
Washington	0	34	0	0	0	0	64
Pacific Noncontiguous	**6**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	61	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**1**	**2**	**4**	**1**	**0**	**0**	**6**

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Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**61**	**6**	**0**	**5**	**1**
Connecticut	0	0	0	0	14	0	6	1
Maine	0	0	0	0	3	0	17	6
Massachusetts	0	0	0	66	12	0	7	2
New Hampshire	0	0	0	0	19	0	45	2
Rhode Island	0	0	0	0	59	0	0	2
Vermont	0	0	0	150	33	0	0	6
Middle Atlantic	**0**	**0**	**0**	**25**	**3**	**0**	**5**	**1**
New Jersey	0	0	0	32	16	0	11	1
New York	0	0	0	0	3	0	7	1
Pennsylvania	0	0	0	64	3	0	9	1
East North Central	**0**	**0**	**0**	**49**	**2**	**0**	**25**	**0**
Illinois	0	0	0	65	1	0	0	0
Indiana	0	0	0	264	0	0	0	1
Michigan	0	0	0	0	7	0	25	2
Ohio	0	0	0	76	7	0	0	1
Wisconsin	0	0	0	0	12	0	0	1
West North Central	**0**	**0**	**0**	**287**	**1**	**0**	**30**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	287	3	0	30	3
Missouri	0	0	0	0	3	0	0	3
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**29**	**5**	**0**	**5**	**2**
Delaware	0	0	0	78	58	0	0	2
Florida	0	0	0	58	9	0	6	6
Georgia	0	0	0	0	26	0	0	6
Maryland	0	0	0	78	7	0	0	1
North Carolina	0	0	0	38	13	0	58	5
South Carolina	0	0	0	0	148	0	0	53
Virginia	0	0	0	0	23	0	0	7
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**121**	**12**	**0**	**0**	**1**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	274
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	121	39	0	0	39
West South Central	**0**	**0**	**0**	**31**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	74	0	0	1
Louisiana	0	0	0	0	78	0	0	0
Oklahoma	0	0	0	0	0	0	0	2
Texas	0	0	0	31	0	0	0	0
Mountain	**0**	**5**	**0**	**6**	**1**	**0**	**5**	**2**
Arizona	0	0	0	6	5	0	0	1
Colorado	0	0	0	19	1	0	93	4
Idaho	0	36	0	0	4	0	0	7
Montana	0	0	0	0	2	0	0	5
Nevada	0	5	0	6	4	0	0	5
New Mexico	0	0	0	28	4	0	0	4
Utah	0	41	0	328	12	0	287	38
Wyoming	0	0	0	0	2	0	0	19
Pacific Contiguous	**0**	**3**	**0**	**6**	**1**	**0**	**17**	**2**
California	0	3	0	6	2	0	19	2
Oregon	0	0	0	142	1	0	55	2
Washington	0	0	0	0	1	0	42	3
Pacific Noncontiguous	**0**	**0**	**0**	**128**	**9**	**0**	**0**	**3**
Alaska	0	0	0	0	41	0	0	43
Hawaii	0	0	0	128	9	0	0	2
U.S. Total	**0**	**3**	**0**	**5**	**1**	**0**	**3**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**1**	**0**	**0**	**6**
Connecticut	0	4	0	1	0	0	24
Maine	0	1	0	0	0	0	8
Massachusetts	3	11	0	1	0	0	15
New Hampshire	0	3,886	0	0	0	0	11
Rhode Island	0	23	0	1	0	0	200
Vermont	0	0	0	0	0	0	18
Middle Atlantic	**1**	**4**	**0**	**1**	**59**	**0**	**6**
New Jersey	0	7	0	1	0	0	104
New York	2	5	0	1	0	0	8
Pennsylvania	1	8	0	1	59	0	11
East North Central	**0**	**6**	**0**	**1**	**0**	**0**	**32**
Illinois	0	0	0	1	0	0	37
Indiana	0	130,719	0	4	0	0	0
Michigan	9	0	0	2	0	0	54
Ohio	0	2	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	75
West North Central	**0**	**31**	**0**	**3**	**0**	**0**	**48**
Iowa	0	61	0	8,237	0	0	243
Kansas	0	0	0	0	0	0	138
Minnesota	0	19	0	4	0	0	52
Missouri	0	0	0	3	0	0	0
South Dakota	0	83	0	0	0	0	0
South Atlantic	**1**	**11**	**0**	**2**	**0**	**0**	**4**
Delaware	2	20	0	2	0	0	0
Florida	5	88	0	7	0	0	0
Georgia	0	737	0	3	0	0	192
Maryland	0	15	0	6	0	0	2
North Carolina	14	29	0	0	0	0	107
South Carolina	0	0	0	33	0	0	81
Virginia	20	17	0	2	0	0	66
West Virginia	0	0	0	0	0	0	6
East South Central	**0**	**51**	**0**	**0**	**0**	**0**	**175**
Alabama	0	51	0	0	0	0	0
Kentucky	0	0	0	42	0	0	175
Mississippi	0	0	0	1	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**4**
Arkansas	0	0	0	0	0	0	81
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	3	0	0	0
Texas	0	0	0	1	0	0	86
Mountain	**2**	**21**	**0**	**1**	**0**	**0**	**7**
Arizona	0	0	0	0	0	0	0
Colorado	49	0	0	4	0	0	50
Idaho	0	0	0	2	0	0	24
Montana	2	15	0	236	0	0	7
Nevada	0	0	0	2	0	0	88
New Mexico	0	181	0	3	0	0	0
Utah	52	358	0	31	0	0	194
Wyoming	35	0	0	299	0	0	213
Pacific Contiguous	**2**	**15**	**82**	**1**	**0**	**0**	**14**
California	13	48	82	1	0	0	19
Oregon	0	0	0	0	0	0	31
Washington	0	5	0	0	0	0	30
Pacific Noncontiguous	**3**	**10**	**0**	**0**	**0**	**0**	**0**
Alaska	21	0	0	0	0	0	0
Hawaii	0	10	0	0	0	0	0
U.S. Total	**0**	**4**	**2**	**0**	**1**	**0**	**3**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**33**	**2**	**0**	**2**	**1**
Connecticut	0	0	0	0	6	0	3	1
Maine	0	0	0	0	1	0	6	3
Massachusetts	0	0	0	36	5	0	3	1
New Hampshire	0	0	0	0	9	0	19	1
Rhode Island	0	0	0	0	24	0	0	1
Vermont	0	0	0	80	16	0	0	3
Middle Atlantic	**0**	**0**	**0**	**14**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	17	8	0	5	0
New York	0	0	0	0	1	0	3	1
Pennsylvania	0	0	0	37	2	0	3	0
East North Central	**0**	**0**	**0**	**30**	**1**	**0**	**10**	**0**
Illinois	0	0	0	38	1	0	0	0
Indiana	0	0	0	140	0	0	0	1
Michigan	0	0	0	0	3	0	10	1
Ohio	0	0	0	52	3	0	0	0
Wisconsin	0	0	0	0	6	0	0	1
West North Central	**0**	**0**	**0**	**152**	**0**	**0**	**13**	**0**
Iowa	0	0	0	0	1	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	152	1	0	13	2
Missouri	0	0	0	0	1	0	0	2
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	1	0	0	1
South Atlantic	**0**	**0**	**0**	**16**	**2**	**0**	**2**	**1**
Delaware	0	0	0	41	26	0	0	2
Florida	0	0	0	36	3	0	2	4
Georgia	0	0	0	0	20	0	0	3
Maryland	0	0	0	42	3	0	0	0
North Carolina	0	0	0	22	6	0	20	2
South Carolina	0	0	0	0	58	0	0	30
Virginia	0	0	0	0	9	0	0	3
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**121**	**5**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	42
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	121	17	0	0	17
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	33	0	0	0
Louisiana	0	0	0	0	31	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	16	0	0	0	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**2**	**1**
Arizona	0	0	0	3	3	0	0	1
Colorado	0	0	0	13	1	0	38	2
Idaho	0	13	0	0	3	0	0	3
Montana	0	0	0	0	1	0	0	2
Nevada	0	2	0	3	2	0	0	1
New Mexico	0	0	0	14	2	0	0	2
Utah	0	14	0	174	5	0	100	18
Wyoming	0	0	0	0	1	0	0	8
Pacific Contiguous	**0**	**1**	**0**	**3**	**1**	**0**	**7**	**1**
California	0	1	0	3	1	0	8	1
Oregon	0	0	0	73	1	0	23	1
Washington	0	0	0	0	1	0	18	1
Pacific Noncontiguous	**0**	**0**	**0**	**74**	**5**	**0**	**0**	**4**
Alaska	0	0	0	0	29	0	0	17
Hawaii	0	0	0	74	5	0	0	4
U.S. Total	**0**	**1**	**0**	**3**	**0**	**0**	**1**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**47**	**0**	**25**	**0**	**0**	**459**
Connecticut	0	267	0	63	0	0	0
Maine	0	329	0	1,361	0	0	0
Massachusetts	0	48	0	19	0	0	459
New Hampshire	0	112	0	0	0	0	0
Rhode Island	0	432	0	138	0	0	0
Vermont	0	426	0	0	0	0	0
Middle Atlantic	**0**	**27**	**0**	**23**	**0**	**0**	**468**
New Jersey	0	110	0	71	0	0	0
New York	0	28	0	22	0	0	468
Pennsylvania	0	57	0	135	0	0	0
East North Central	**16**	**132**	**0**	**16**	**0**	**0**	**419**
Illinois	30	202	0	10	0	0	780
Indiana	43	1,287	0	132	0	0	0
Michigan	0	87	0	22	0	0	0
Ohio	150	175	0	71	0	0	0
Wisconsin	137	3,991	0	68	0	0	469
West North Central	**33**	**98**	**0**	**29**	**0**	**0**	**0**
Iowa	51	443	0	235	0	0	0
Minnesota	139	107	0	56	0	0	0
Missouri	0	233	0	0	0	0	0
Nebraska	0	0	0	348	0	0	0
North Dakota	0	442	0	0	0	0	0
South Dakota	0	476	0	0	0	0	0
South Atlantic	**120**	**99**	**0**	**55**	**0**	**0**	**134**
District of Columbia	0	0	0	108	0	0	0
Florida	0	0	0	209	0	0	0
Georgia	0	57	0	0	0	0	0
Maryland	0	2,967	0	66	0	0	0
North Carolina	0	163	0	0	0	0	125
South Carolina	0	96	0	0	0	0	1,353
Virginia	235	51	0	0	0	0	0
East South Central	**130**	**0**	**0**	**101**	**0**	**0**	**0**
Mississippi	0	0	0	403	0	0	0
Tennessee	130	0	0	87	0	0	0
West South Central	**0**	**262**	**0**	**41**	**0**	**0**	**0**
Arkansas	0	0	0	2,353	0	0	0
Louisiana	0	0	0	294	0	0	0
Oklahoma	0	94	0	172	0	0	0
Texas	0	394	0	37	0	0	0
Mountain	**0**	**279**	**0**	**72**	**0**	**0**	**0**
Arizona	0	279	0	122	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	134	0	0	0
New Mexico	0	0	0	118	0	0	0
Utah	0	0	0	494	0	0	0
Pacific Contiguous	**0**	**128**	**0**	**28**	**0**	**0**	**483**
California	0	66	0	29	0	0	483
Oregon	0	686	0	95	0	0	0
Washington	0	863	0	237	0	0	0
Pacific Noncontiguous	**17**	**91**	**0**	**381**	**0**	**0**	**0**
Alaska	17	135	0	381	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**14**	**28**	**0**	**11**	**0**	**0**	**168**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**196**	**41**	**0**	**63**	**20**
Connecticut	0	0	0	0	0	0	0	63
Maine	0	0	0	0	48	0	63	38
Massachusetts	0	0	0	196	67	0	0	18
New Hampshire	0	0	0	0	0	0	0	112
Rhode Island	0	0	0	0	0	0	0	136
Vermont	0	0	0	0	264	0	0	225
Middle Atlantic	**0**	**0**	**0**	**59**	**15**	**0**	**17**	**12**
New Jersey	0	0	0	59	21	0	0	22
New York	0	0	0	0	34	0	43	17
Pennsylvania	0	0	0	0	13	0	0	20
East North Central	**0**	**0**	**0**	**264**	**19**	**0**	**21**	**11**
Illinois	0	0	0	0	0	0	0	11
Indiana	0	0	0	0	99	0	141	48
Michigan	0	0	0	0	17	0	19	11
Ohio	0	0	0	264	264	0	0	67
Wisconsin	0	0	0	0	152	0	2,268	71
West North Central	**0**	**0**	**0**	**0**	**49**	**0**	**117**	**20**
Iowa	0	0	0	0	84	0	0	44
Minnesota	0	0	0	0	61	0	117	40
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	144	0	0	135
North Dakota	0	0	0	0	0	0	0	442
South Dakota	0	0	0	0	0	0	0	476
South Atlantic	**0**	**0**	**0**	**73**	**20**	**0**	**21**	**19**
Delaware	0	0	0	0	115	0	0	115
District of Columbia	0	0	0	0	0	0	0	108
Florida	0	0	0	374	83	0	0	115
Georgia	0	0	0	252	94	0	0	89
Maryland	0	0	0	212	68	0	727	53
North Carolina	0	0	0	82	82	0	0	51
South Carolina	0	0	0	0	0	0	0	204
Virginia	0	0	0	0	19	0	21	16
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**88**
Mississippi	0	0	0	0	0	0	0	403
Tennessee	0	0	0	0	0	0	0	75
West South Central	**0**	**0**	**0**	**316**	**80**	**0**	**0**	**38**
Arkansas	0	0	0	0	229	0	0	304
Louisiana	0	0	0	0	0	0	0	294
Oklahoma	0	0	0	0	0	0	0	169
Texas	0	0	0	316	85	0	0	35
Mountain	**0**	**0**	**0**	**32**	**34**	**0**	**0**	**47**
Arizona	0	0	0	264	180	0	0	107
Colorado	0	0	0	51	59	0	0	59
Nevada	0	0	0	29	29	0	0	68
New Mexico	0	0	0	0	207	0	0	110
Utah	0	0	0	0	0	0	0	494
Pacific Contiguous	**0**	**0**	**0**	**54**	**14**	**0**	**0**	**17**
California	0	0	0	54	14	0	0	17
Oregon	0	0	0	0	98	0	0	69
Washington	0	0	0	0	0	0	0	233
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**
Alaska	0	0	0	0	0	0	0	18
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**29**	**9**	**0**	**10**	**6**

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Table A.4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**47**	**0**	**16**	**0**	**0**	**227**
Connecticut	0	223	0	43	0	0	0
Maine	0	254	0	845	0	0	0
Massachusetts	0	53	0	12	0	0	227
New Hampshire	0	99	0	0	0	0	0
Rhode Island	0	335	0	89	0	0	0
Vermont	0	328	0	0	0	0	0
Middle Atlantic	**63**	**157**	**0**	**15**	**240**	**0**	**231**
New Jersey	0	310	0	50	240	0	0
New York	0	171	0	15	0	0	231
Pennsylvania	63	30	0	81	0	0	0
East North Central	**5**	**544**	**0**	**10**	**0**	**0**	**214**
Illinois	11	211	0	8	0	0	418
Indiana	10	2,225	0	86	0	0	0
Michigan	0	608	0	12	0	0	0
Ohio	74	147	0	46	0	0	0
Wisconsin	49	2,344	0	46	0	0	241
West North Central	**11**	**212**	**0**	**23**	**0**	**0**	**0**
Iowa	17	370	0	126	0	0	0
Minnesota	54	234	0	29	0	0	0
Missouri	0	195	0	0	0	0	0
Nebraska	0	0	0	178	0	0	0
North Dakota	0	371	0	0	0	0	0
South Dakota	0	397	0	0	0	0	0
South Atlantic	**19**	**210**	**0**	**36**	**0**	**0**	**75**
District of Columbia	0	0	0	73	0	0	0
Florida	0	0	0	123	0	0	0
Georgia	0	47	0	0	0	0	0
Maryland	0	6,060	0	45	0	0	0
North Carolina	0	137	0	0	0	0	68
South Carolina	0	81	0	0	0	0	935
Virginia	145	33	0	0	0	0	0
East South Central	**46**	**0**	**0**	**61**	**0**	**0**	**0**
Mississippi	0	0	0	214	0	0	0
Tennessee	46	0	0	58	0	0	0
West South Central	**0**	**197**	**0**	**23**	**0**	**0**	**0**
Arkansas	0	0	0	688	0	0	0
Louisiana	0	0	0	156	0	0	0
Oklahoma	0	79	0	99	0	0	0
Texas	0	296	0	21	0	0	0
Mountain	**0**	**234**	**0**	**22**	**0**	**0**	**0**
Arizona	0	234	0	38	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	40	0	0	0
New Mexico	0	0	0	36	0	0	0
Utah	0	0	0	229	0	0	0
Pacific Contiguous	**0**	**423**	**0**	**8**	**0**	**0**	**379**
California	0	55	0	8	0	0	379
Oregon	0	2,968	0	47	0	0	0
Washington	0	543	0	173	0	0	0
Pacific Noncontiguous	**6**	**41**	**0**	**181**	**0**	**0**	**0**
Alaska	6	71	0	181	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**4**	**45**	**0**	**6**	**240**	**0**	**86**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**166**	**25**	**0**	**22**	**12**
Connecticut	0	0	0	0	0	0	0	43
Maine	0	0	0	0	29	0	22	19
Massachusetts	0	0	0	166	49	0	0	12
New Hampshire	0	0	0	0	0	0	0	99
Rhode Island	0	0	0	0	0	0	0	86
Vermont	0	0	0	0	125	0	0	180
Middle Atlantic	**0**	**0**	**0**	**37**	**9**	**0**	**6**	**7**
New Jersey	0	0	0	37	8	0	0	13
New York	0	0	0	291	20	0	15	10
Pennsylvania	0	0	0	0	9	0	0	16
East North Central	**0**	**0**	**0**	**140**	**16**	**0**	**11**	**7**
Illinois	0	0	0	0	0	0	0	7
Indiana	0	0	0	0	61	0	49	23
Michigan	0	0	0	0	16	0	11	7
Ohio	0	0	0	140	140	0	0	44
Wisconsin	0	0	0	0	91	0	773	42
West North Central	**0**	**0**	**0**	**0**	**31**	**0**	**42**	**10**
Iowa	0	0	0	0	50	0	0	16
Minnesota	0	0	0	0	40	0	42	21
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	86	0	0	78
North Dakota	0	0	0	0	0	0	0	371
South Dakota	0	0	0	0	0	0	0	397
South Atlantic	**0**	**0**	**0**	**41**	**12**	**0**	**8**	**11**
Delaware	0	0	0	0	79	0	0	79
District of Columbia	0	0	0	0	0	0	0	73
Florida	0	0	0	198	49	0	0	66
Georgia	0	0	0	134	55	0	0	53
Maryland	0	0	0	119	38	0	281	36
North Carolina	0	0	0	47	47	0	0	14
South Carolina	0	0	0	0	0	0	0	147
Virginia	0	0	0	0	13	0	8	8
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**52**
Mississippi	0	0	0	0	0	0	0	214
Tennessee	0	0	0	0	0	0	0	48
West South Central	**0**	**0**	**0**	**167**	**47**	**0**	**0**	**22**
Arkansas	0	0	0	0	138	0	0	150
Louisiana	0	0	0	0	0	0	0	156
Oklahoma	0	0	0	0	0	0	0	98
Texas	0	0	0	167	50	0	0	20
Mountain	**0**	**0**	**0**	**29**	**27**	**0**	**0**	**18**
Arizona	0	0	0	140	101	0	0	36
Colorado	0	0	0	65	46	0	0	46
Nevada	0	0	0	31	31	0	0	29
New Mexico	0	0	0	0	127	0	0	34
Utah	0	0	0	0	0	0	0	229
Pacific Contiguous	**0**	**0**	**0**	**32**	**8**	**0**	**0**	**6**
California	0	0	0	32	8	0	0	6
Oregon	0	0	0	0	59	0	0	38
Washington	0	0	0	0	0	0	0	168
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**
Alaska	0	0	0	0	0	0	0	7
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**18**	**5**	**0**	**4**	**3**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**72**	**20**	**0**	**14**	**0**	**0**	**28**
Connecticut	0	310	0	63	0	0	0
Maine	0	18	0	13	0	0	27
Massachusetts	131	19	0	79	0	0	441
New Hampshire	0	321	0	181	0	0	506
Vermont	0	0	0	0	0	0	231
Middle Atlantic	**20**	**12**	**136**	**24**	**12**	**0**	**133**
New Jersey	0	598	0	43	71	0	0
New York	0	4	0	47	0	0	133
Pennsylvania	34	102	136	36	8	0	0
East North Central	**8**	**23**	**33**	**19**	**12**	**0**	**105**
Illinois	10	1,981	0	48	51	0	0
Indiana	117	18	0	25	10	0	0
Michigan	38	0	115	39	0	0	262
Ohio	24	0	0	117	67	0	0
Wisconsin	12	147	0	46	0	0	114
West North Central	**12**	**130**	**0**	**48**	**131**	**0**	**173**
Iowa	13	214	0	202	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	30	214	0	69	0	0	173
Missouri	82	0	0	754	0	0	0
Nebraska	43	0	0	121	0	0	0
North Dakota	84	174	0	128	131	0	0
South Atlantic	**14**	**28**	**0**	**16**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	75	97	0	29	0	0	0
Georgia	17	35	0	38	0	0	246
Maryland	0	0	0	91	0	0	0
North Carolina	76	131	0	63	0	0	26
South Carolina	30	0	0	40	0	0	0
Virginia	29	58	0	74	0	0	331
West Virginia	15	0	0	414	0	0	3
East South Central	**6**	**52**	**0**	**14**	**19**	**0**	**21**
Alabama	41	63	0	22	20	0	0
Kentucky	0	0	0	56	0	0	0
Mississippi	0	0	0	19	0	0	0
Tennessee	4	83	0	32	0	0	21
West South Central	**43**	**125**	**13**	**3**	**6**	**0**	**0**
Arkansas	0	15,239	0	44	0	0	0
Louisiana	336	0	73	5	6	0	0
Oklahoma	55	0	0	170	0	0	0
Texas	0	340	5	5	11	0	0
Mountain	**17**	**941**	**0**	**22**	**12**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	1,487	0	216	0	0	0
Idaho	89	0	0	63	0	0	0
Montana	205	0	0	0	0	0	0
Nevada	0	0	0	56	0	0	0
New Mexico	0	0	0	98	0	0	0
Utah	0	0	0	59	128	0	0
Wyoming	41	985	0	10	7	0	0
Pacific Contiguous	**9**	**47**	**0**	**9**	**6**	**0**	**834**
California	10	163	0	10	6	0	0
Oregon	0	0	0	62	0	0	0
Washington	0	48	0	0	0	0	834
Pacific Noncontiguous	**171**	**32**	**0**	**78**	**119**	**0**	**198**
Alaska	0	11	0	78	544	0	0
Hawaii	171	49	0	0	120	0	198
U.S. Total	**6**	**14**	**11**	**3**	**5**	**0**	**12**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**4**	**0**	**28**	**8**
Connecticut	0	0	0	0	0	0	603	62
Maine	0	0	0	0	6	0	0	8
Massachusetts	0	0	0	0	0	0	0	17
New Hampshire	0	0	0	0	0	0	0	174
Vermont	0	0	0	0	0	0	0	231
Middle Atlantic	**0**	**0**	**0**	**139**	**12**	**0**	**0**	**11**
New Jersey	0	0	0	374	374	0	0	37
New York	0	0	0	0	8	0	0	16
Pennsylvania	0	0	0	145	16	0	0	13
East North Central	**0**	**0**	**0**	**0**	**6**	**0**	**12**	**5**
Illinois	0	0	0	0	0	0	39	11
Indiana	0	0	0	0	116	0	0	8
Michigan	0	0	0	0	10	0	0	16
Ohio	0	0	0	0	11	0	0	17
Wisconsin	0	0	0	0	9	0	110	11
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**102**	**11**
Iowa	0	0	0	0	0	0	0	13
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	18	0	102	22
Missouri	0	0	0	0	328	0	0	80
Nebraska	0	0	0	0	0	0	0	41
North Dakota	0	0	0	0	347	0	0	61
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**8**	**4**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	6	0	8	9
Georgia	0	0	0	0	4	0	9	8
Maryland	0	0	0	0	0	0	0	17
North Carolina	0	0	0	0	6	0	0	10
South Carolina	0	0	0	0	0	0	0	3
Virginia	0	0	0	0	5	0	0	12
West Virginia	0	0	0	0	0	0	0	4
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**272**	**4**
Alabama	0	0	0	0	5	0	0	7
Kentucky	0	0	0	0	5	0	0	27
Mississippi	0	0	0	0	3	0	366	10
Tennessee	0	0	0	0	13	0	0	6
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**18**	**3**
Arkansas	0	0	0	0	3	0	0	7
Louisiana	0	0	0	0	6	0	11	4
Oklahoma	0	0	0	0	26	0	187	37
Texas	0	0	0	0	11	0	33	4
Mountain	**0**	**0**	**0**	**161**	**5**	**0**	**23**	**10**
Arizona	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	196	0	91	86
Idaho	0	0	0	0	4	0	0	13
Montana	0	0	0	0	0	0	0	205
Nevada	0	0	0	161	161	0	0	56
New Mexico	0	0	0	0	0	0	0	98
Utah	0	0	0	0	0	0	0	11
Wyoming	0	0	0	0	0	0	0	13
Pacific Contiguous	**0**	**0**	**0**	**271**	**6**	**0**	**28**	**7**
California	0	0	0	271	15	0	33	7
Oregon	0	0	0	0	8	0	0	12
Washington	0	0	0	0	7	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**49**	**0**	**0**	**35**
Alaska	0	0	0	0	380	0	0	42
Hawaii	0	0	0	0	49	0	0	44
U.S. Total	**0**	**0**	**0**	**118**	**2**	**0**	**8**	**2**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through April 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**17**	**34**	**0**	**8**	**0**	**0**	**11**
Connecticut	0	239	0	40	0	0	0
Maine	0	38	0	8	0	0	11
Massachusetts	45	27	0	49	0	0	218
New Hampshire	0	9,475	0	121	0	0	251
Vermont	0	0	0	0	0	0	109
Middle Atlantic	**6**	**16**	**77**	**16**	**6**	**0**	**63**
New Jersey	0	618	0	28	24	0	0
New York	0	12	0	31	0	0	63
Pennsylvania	9	162	77	23	4	0	0
East North Central	**3**	**11**	**18**	**13**	**5**	**0**	**52**
Illinois	3	1,654	0	31	17	0	0
Indiana	40	11	0	20	4	0	0
Michigan	13	0	73	21	0	0	130
Ohio	7	0	0	74	23	0	0
Wisconsin	4	117	0	21	0	0	57
West North Central	**4**	**67**	**0**	**22**	**45**	**0**	**74**
Iowa	4	179	0	114	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	10	105	0	29	0	0	74
Missouri	30	0	0	451	0	0	0
Nebraska	15	0	0	59	0	0	0
North Dakota	29	92	0	60	45	0	0
South Atlantic	**6**	**12**	**0**	**8**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0
Florida	33	45	0	15	0	0	0
Georgia	8	16	0	21	0	0	114
Maryland	0	0	0	72	0	0	0
North Carolina	31	77	0	32	0	0	9
South Carolina	7	0	0	18	0	0	0
Virginia	13	17	0	40	0	0	160
West Virginia	5	0	0	236	0	0	2
East South Central	**3**	**37**	**0**	**7**	**8**	**0**	**7**
Alabama	16	40	0	9	9	0	0
Kentucky	0	0	0	40	0	0	0
Mississippi	0	0	0	10	0	0	0
Tennessee	1	214	0	23	0	0	7
West South Central	**21**	**13**	**8**	**2**	**3**	**0**	**0**
Arkansas	0	236	0	23	0	0	0
Louisiana	163	0	39	2	3	0	0
Oklahoma	32	0	0	60	0	0	0
Texas	0	240	3	3	5	0	0
Mountain	**9**	**144**	**0**	**8**	**6**	**0**	**0**
Arizona	82	137	0	84	0	0	0
Colorado	0	1,241	0	78	0	0	0
Idaho	30	0	0	16	0	0	0
Montana	74	0	0	0	0	0	0
Nevada	0	0	0	21	0	0	0
New Mexico	0	0	0	38	0	0	0
Utah	0	0	0	17	58	0	0
Wyoming	14	545	0	6	3	0	0
Pacific Contiguous	**2**	**24**	**0**	**3**	**3**	**0**	**417**
California	3	58	0	3	3	0	0
Oregon	0	0	0	25	0	0	0
Washington	0	26	0	0	0	0	417
Pacific Noncontiguous	**110**	**18**	**0**	**38**	**53**	**0**	**98**
Alaska	0	9	0	38	195	0	0
Hawaii	110	25	0	0	54	0	98
U.S. Total	**2**	**8**	**7**	**2**	**2**	**0**	**5**

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Table A.5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through April 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**1**	**0**	**9**	**4**
Connecticut	0	0	0	0	0	0	217	39
Maine	0	0	0	0	2	0	0	4
Massachusetts	0	0	0	0	0	0	0	11
New Hampshire	0	0	0	0	257	0	0	109
Vermont	0	0	0	0	0	0	0	109
Middle Atlantic	**0**	**0**	**0**	**87**	**4**	**0**	**0**	**6**
New Jersey	0	0	0	198	198	0	0	22
New York	0	0	0	0	3	0	0	9
Pennsylvania	0	0	0	97	6	0	0	7
East North Central	**0**	**0**	**0**	**0**	**3**	**0**	**5**	**3**
Illinois	0	0	0	0	0	0	13	5
Indiana	0	0	0	0	69	0	0	4
Michigan	0	0	0	0	5	0	0	7
Ohio	0	0	0	0	6	0	0	8
Wisconsin	0	0	0	0	5	0	41	4
West North Central	**0**	**0**	**0**	**0**	**5**	**0**	**34**	**4**
Iowa	0	0	0	0	0	0	0	4
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	4	0	34	7
Missouri	0	0	0	0	192	0	0	33
Nebraska	0	0	0	0	0	0	0	15
North Dakota	0	0	0	0	216	0	0	23
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**2**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	3	0	3	5
Georgia	0	0	0	0	2	0	15	4
Maryland	0	0	0	0	0	0	0	11
North Carolina	0	0	0	0	3	0	0	4
South Carolina	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	3	0	0	6
West Virginia	0	0	0	0	0	0	0	2
East South Central	**0**	**0**	**0**	**0**	**2**	**0**	**63**	**2**
Alabama	0	0	0	0	2	0	0	3
Kentucky	0	0	0	0	2	0	0	19
Mississippi	0	0	0	0	2	0	90	5
Tennessee	0	0	0	0	5	0	0	3
West South Central	**0**	**0**	**0**	**0**	**2**	**0**	**7**	**2**
Arkansas	0	0	0	0	1	0	0	4
Louisiana	0	0	0	0	3	0	4	2
Oklahoma	0	0	0	0	13	0	71	18
Texas	0	0	0	0	5	0	12	2
Mountain	**0**	**0**	**0**	**262**	**3**	**0**	**7**	**4**
Arizona	0	0	0	0	0	0	0	67
Colorado	0	0	0	0	127	0	31	31
Idaho	0	0	0	0	2	0	0	5
Montana	0	0	0	0	0	0	0	74
Nevada	0	0	0	262	262	0	0	21
New Mexico	0	0	0	0	0	0	0	38
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	5
Pacific Contiguous	**0**	**0**	**0**	**144**	**3**	**0**	**7**	**2**
California	0	0	0	144	7	0	8	2
Oregon	0	0	0	0	3	0	0	6
Washington	0	0	0	0	3	0	0	3
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**30**	**0**	**0**	**17**
Alaska	0	0	0	0	224	0	0	26
Hawaii	0	0	0	0	30	0	0	22
U.S. Total	**0**	**0**	**0**	**72**	**1**	**0**	**3**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, April 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	4	0	1
Maine	1	1	1	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	3	3	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	1	2	2	0	1
Michigan	1	0	1	0	0
Ohio	1	1	1	0	1
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	2	2	1	0	1
Kansas	2	2	3	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	4	0	1
Nebraska	2	2	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	5	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	2	1	1	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	1	1	0	0
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	2	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	3	0	1
West South Central	**1**	**1**	**1**	**2**	**0**
Arkansas	2	2	1	462	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	1	2	0	0
Colorado	1	1	2	0	1
Idaho	1	1	1	0	1
Montana	2	2	2	0	1
Nevada	0	1	0	0	0
New Mexico	2	2	3	0	1
Utah	1	1	1	0	1
Wyoming	2	2	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	1	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.6.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 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	1	1	1	0	0
Massachusetts	1	1	2	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	5	0	2
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	2	0	0
New York	1	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	1	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	1	1	0	0
Wisconsin	1	1	1	0	0
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	1	0	1
Kansas	2	1	2	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	2	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	1	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	1	0	0
Georgia	1	1	1	0	1
Maryland	1	1	3	0	0
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	2	1	0	1
Tennessee	1	1	3	0	1
West South Central	**1**	**0**	**0**	**1**	**0**
Arkansas	2	2	1	282	1
Louisiana	1	1	0	0	1
Oklahoma	2	1	1	0	1
Texas	1	0	1	0	0
Mountain	**0**	**0**	**0**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	1	1	2	0	1
Idaho	1	1	1	0	0
Montana	2	1	2	0	1
Nevada	1	0	0	0	0
New Mexico	2	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, April 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	3	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	1	2	2	0	1
Michigan	1	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	2	3	0	1
Kansas	2	2	4	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	5	0	1
Nebraska	2	2	3	0	1
North Dakota	2	1	4	0	1
South Dakota	2	2	4	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	9	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	2	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	2	2	0	1
Virginia	1	1	2	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	2	2	0	1
Kentucky	1	2	2	0	1
Mississippi	2	2	3	0	1
Tennessee	1	2	5	0	1
West South Central	**1**	**1**	**1**	**2**	**1**
Arkansas	2	3	3	479	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	3	0	1
Texas	1	1	1	0	1
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	1	3	0	0
Colorado	1	1	5	0	1
Idaho	1	1	1	0	1
Montana	2	1	4	0	1
Nevada	0	1	1	0	0
New Mexico	2	2	7	0	2
Utah	1	1	2	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	2	0	0
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	3	2	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.7.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 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**11**	**0**
Connecticut	0	0	2	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	2	32	1
New Hampshire	0	0	3	0	0
Rhode Island	0	0	0	0	0
Vermont	2	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	1	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	0
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	1	0	2	0	0
Wisconsin	1	1	1	0	0
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	2	2	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	4	0	1
Nebraska	2	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	2	0	0
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	1	1	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	1	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	1	4	0	1
West South Central	**1**	**1**	**1**	**1**	**0**
Arkansas	2	2	2	285	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	2	0	1
Texas	1	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	0	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	1
Montana	2	1	3	0	1
Nevada	1	1	1	0	0
New Mexico	2	1	5	0	1
Utah	2	1	2	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	0
Pacific Noncontiguous	**1**	**1**	**0**	**0**	**0**
Alaska	2	2	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, April 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**0**	**0**
Connecticut	0	0	2	0	0
Maine	0	0	1	0	0
Massachusetts	0	1	1	0	1
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	1	1	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	0	1	0	0
Indiana	0	0	1	0	0
Michigan	0	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	0	2	0	1
Missouri	0	0	2	0	0
Nebraska	1	1	3	0	1
North Dakota	1	1	4	0	1
South Dakota	1	1	4	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	2	0	1
Maryland	0	0	1	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	0	1	1	0	0
Mississippi	1	1	2	0	1
Tennessee	0	1	2	0	0
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	2	2	94	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	2	0	0
Colorado	0	0	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	1	1	0	0
New Mexico	1	1	4	0	1
Utah	1	1	1	0	0
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	0	2	0	1
Washington	0	0	2	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	1	1	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.8.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 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**11**	**0**
Connecticut	0	1	3	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	2	32	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	5	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	0
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	2	2	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	4	0	1
Nebraska	2	2	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	1
Georgia	2	1	1	0	1
Maryland	1	1	3	0	0
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	1	1	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	1	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	1	4	0	1
West South Central	**1**	**1**	**1**	**1**	**0**
Arkansas	2	2	2	300	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	2	0	1
Texas	1	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	0	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	1
Montana	2	1	3	0	1
Nevada	1	1	1	0	0
New Mexico	2	1	5	0	1
Utah	1	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2013

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	1	01/17/2013 6:07 PM	01/20/2013 7:30 PM	73 Hours, 23 Minutes	American Electric Power (AEP)	RFC	Southwest Virginia, Southern West Virginia	Severe Weather - Winter Storm	Unknown	127000
2013	1	01/17/2013 7:02 PM	01/19/2013 6:00 PM	46 Hours, 58 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Severe Weather - Winter Storm	Unknown	80000
2013	1	01/17/2013 8:35 PM	01/17/2013 9:20 PM	0 Hours, 45 Minutes	North Carolina Eastern M P A	SERC	Elizabeth City, North Carolina	Distribution Interruption	40	12000
2013	1	01/20/2013 3:30 AM	01/23/2013 6:15 AM	74 Hours, 45 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Wind Storm	Unknown	146500
2013	1	01/31/2013 3:05 AM	01/31/2013 4:48 AM	1 Hours, 43 Minutes	Dominion Virginia Power	SERC	Central and Eastern Virginia	Severe Weather - Wind Storm	188	119000
2013	1	01/31/2013 6:30 AM	01/31/2013 10:00 AM	3 Hours, 30 Minutes	ISO New England	NPCC	Connecticut	Severe Weather - Wind Storm	75	75000
2013	2	02/08/2013 11:38 AM	02/08/2013 2:17 PM	2 Hours, 39 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Prince George's County Maryland	Equipment Trip & Failure	140	52000
2013	2	02/08/2013 8:00 PM	02/11/2013 8:30 PM	72 Hours, 30 Minutes	ISO New England/National Grid	NPCC	Central and eastern Massachusetts; Rhode Island	Severe Weather - Winter Storm Nemo	N/A	50000
2013	2	02/08/2013 8:55 PM	02/12/2013 4:00 AM	79 Hours, 5 Minutes	ISO New England/NSTAR	NPCC	Boston area and Southeast Massachusetts	Severe Weather - Winter Storm Nemo	Unknown	50000
2013	2	02/10/2013 7:46 PM	02/10/2013 8:15 PM	0 Hours, 29 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Generator Trip; Voltage Reduction	350	Unknown
2013	2	02/13/2013 5:39 PM	02/15/2013 5:50 PM	48 Hours, 11 Minutes	Footprint Power Salem Harbor Operations LLC	NPCC	Eastern Massachusetts	Fuel Supply Emergency - Petroleum	1	1
2013	2	02/19/2013 4:01 PM	02/20/2013 12:55 PM	20 Hours, 54 Minutes	Pacific Gas & Electric Co.	WECC	Stockton, California	Electrical System Separation (Islanding)	13850	6810
2013	2	02/26/2013 1:00 PM	03/01/2013 10:00 AM	69 Hours, 0 Minutes	Associated Electric Coop, Inc	SERC	Northern Missouri	Severe Weather - Winter Storm Nemo	Unknown	56444
2013	3	03/03/2013 6:39 AM	03/03/2013 10:29 AM	3 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	Merced County, California	Transmission System Interruption	300	58850
2013	3	03/04/2013 9:49 AM	03/04/2013 10:00 PM	12 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Metropolitan area Puerto Rico	Equipment Failure; Transmission System Interruption	Unknown	Unknown
2013	3	03/06/2013 8:22 AM	03/07/2013 10:27 AM	26 Hours, 5 Minutes	Dominion Virginia Power	SERC	Northwest Virginia	Severe Weather - Winter Storm	400	233000
2013	3	03/18/2013 5:21 AM	03/18/2013 5:41 AM	0 Hours, 20 Minutes	Puerto Rico Electric Power Authority	N/A	Systemwide Puerto Rico	Generator Trip; Load Shed	350	262937
2013	3	03/18/2013 7:30 PM	03/20/2013 2:30 PM	43 Hours, 0 Minutes	Southern Company	SERC	North/Central Alabama; Georgia	Severe Weather - Thunderstorms	800	240000
2013	4	04/16/2013 1:47 AM	04/18/2013 3:25 PM	61 Hours, 38 Minutes	Pacific Gas & Electric Co	WECC	California	Loss of Part of a High Voltage Substation, Physical Attack	N/A	0
2013	4	04/18/2013 3:00 PM	04/21/2013 3:30 AM	60 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan, Michigan	Severe Weather - Storms and Wind	Unknown	99188
2013	4	04/23/2013 12:49 AM	04/23/2013 4:04 AM	3 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	South of Humboldt, California	Electrical System Separation (Islanding)	80	1

Note: Customers affected are estimates and are preliminary.
Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

Table B.2 Major Disturbances and Unusual Occurrences, 2012

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2012	1	01/09/2012 1:36 PM	01/11/2012 1:05 AM	35 Hours, 29 Minutes	The Dow Chemical Company	SERC	Louisiana	Load Shed	150	1
2012	1	01/10/2012 9:30 PM	01/10/2012 9:30 PM	0 Hours, 0 Minutes	Luminant Energy Company LLC	TRE	Rusk County, Texas	Load Shed	N/A	N/A
2012	1	01/19/2012 7:00 AM	01/20/2012 3:00 PM	32 Hours, 0 Minutes	Puget Sound Energy	WECC	King, Pierce and Thurston Counties, Washington	Severe Weather - Winter Storm	1600	426000
2012	2	02/19/2012 5:00 PM	02/21/2012 7:33 AM	38 Hours, 33 Minutes	American Electric Power	SERC	Kentucky, Virginia, West Virginia	Severe Weather - Winter Storm	UNK	90000
2012	2	02/28/2012 2:59 AM	02/28/2012 6:12 AM	3 Hours, 13 Minutes	Pacific Gas and Electric	WECC	Sacramento, California	Electrical System Separation (Islanding)	1	1
2012	3	03/02/2012 12:37 PM	03/05/2012 12:01 PM	71 Hours, 24 Minutes	Tennessee Valley Authority (TVA)	SERC	Northern Alabama; Southeast Tennessee	Severe Weather - Tornadoes	500	UNK
2012	3	03/02/2012 1:45 PM	03/02/2012 3:30 PM	1 Hours, 45 Minutes	City of Piggott, Arkansas	SERC	Piggott, Arkansas	Operational Failure/Equipment Malfunction	N/A	N/A
2012	3	03/02/2012 9:00 PM	03/04/2012 5:30 PM	44 Hours, 30 Minutes	Consumers Energy	RFC	Lower Peninsula, Michigan	Severe Weather - Winter Storm	50	140000
2012	3	03/02/2012 9:00 PM	03/05/2012 4:30 PM	67 Hours, 30 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeastern, Michigan	Severe Weather - Winter Storm	371	130000
2012	3	03/20/2012 8:00 AM	03/20/2012 1:00 PM	5 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	N/A	96000
2012	3	03/29/2012 12:01 PM	03/29/2012 12:02 PM	0 Hours, 1 Minutes	Lansing Board of Water & Light	RFC	Lansing, Michigan	Electrical System Separation (Islanding)	UNK	0
2012	4	04/16/2012 3:46 PM	04/19/2012 2:00 AM	58 Hours, 14 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeast, Michigan	Severe Weather - High Winds	218	111393
2012	4	04/20/2012 2:27 PM	04/21/2012 4:27 AM	14 Hours, 0 Minutes	CenterPoint Energy	TRE	Metropolitan Houston, Texas	Severe Weather - Thunderstorms	N/A	120377
2012	5	05/07/2012 5:45 PM	05/07/2012 6:06 PM	0 Hours, 21 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Load Shed/Severe Weather - Lightning Storm	420	1
2012	5	05/29/2012 8:35 PM	05/31/2012 10:00 AM	37 Hours, 25 Minutes	Oklahoma Gas & Electric	SPP	Oklahoma City Metro Area, Oklahoma	Severe Weather - Thunderstorms	UNK	112000
2012	6	06/08/2012 5:20 PM	06/08/2012 5:25 PM	0 Hours, 5 Minutes	Public Service Company of Colorado	WECC	Denver Metro Area, Colorado	Load Shed	120	30379
2012	6	06/11/2012 7:50 PM	06/12/2012 3:00 PM	19 Hours, 10 Minutes	Southern Company	SERC	North/Central Alabama; North/Central Georgia	Severe Weather - Thunderstorms	368	110591
2012	6	06/12/2012 3:57 PM	06/14/2012 4:57 AM	37 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	920	175000
2012	6	06/19/2012 4:30 AM	06/20/2012 11:00 PM	42 Hours, 30 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul, Minnesota	Severe Weather - Thunderstorms	UNK	68200
2012	6	06/19/2012 5:30 AM	06/21/2012 5:30 AM	48 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO Territory California	Fuel Supply Deficiency (Water)	UNK	UNK
2012	6	06/23/2012 6:57 PM	06/23/2012 7:28 PM	0 Hours, 31 Minutes	ISO New England	NPCC	North Shore, Massachusetts	Load Shed	51	29250
2012	6	06/25/2012 4:04 PM	06/26/2012 1:45 PM	21 Hours, 41 Minutes	Dominion	SERC	Central Virginia	Severe Weather - Wind & Rain	600	190000
2012	6	06/29/2012 12:10 PM	06/29/2012 5:02 PM	4 Hours, 52 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Equipment Trip & Failure	1800	900000
2012	6	06/29/2012 2:10 PM	07/04/2012 6:00 PM	123 Hours, 50 Minutes	Dayton Power & Light	RFC	Dayton, Ohio	Severe Weather - Thunderstorms	500	175000
2012	6	06/29/2012 4:00 PM	06/29/2012 9:00 PM	5 Hours, 0 Minutes	Entergy	SERC	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	45	7935
2012	6	06/29/2012 4:00 PM	07/02/2012 4:00 PM	72 Hours, 0 Minutes	American Electric Power (AEP)	RFC	Indiana; Michigan; Ohio; West Virginia	Severe Weather - Thunderstorms	UNK	1355919
2012	6	06/29/2012 5:15 PM	07/02/2012 11:59 PM	78 Hours, 44 Minutes	Duke Energy Midwest	RFC	Eastern Indiana; Northern Kentucky; Greater Cincinnati area Ohio	Severe Weather - Thunderstorms	2946	4645572
2012	6	06/29/2012 6:24 PM	07/06/2012 10:00 AM	159 Hours, 36 Minutes	FirstEnergy (Mon Power)	RFC	West Virginia	Severe Weather - Thunderstorms	700	265000
2012	6	06/29/2012 7:00 PM	07/07/2012 7:43 PM	192 Hours, 43 Minutes	FirstEnergy (Potomac Edison)	RFC	Maryland; West Virginia	Severe Weather - Thunderstorms	UNK	145000
2012	6	06/29/2012 10:15 PM	07/02/2012 1:10 PM	62 Hours, 55 Minutes	Pepco	RFC	Montgomery and Prince Georges Counties, Maryland; District of Columbia	Severe Weather - Thunderstorms	3000	425000
2012	6	06/29/2012 10:29 PM	07/04/2012 3:36 PM	113 Hours, 7 Minutes	Dominion	SERC	Virginia	Severe Weather - Thunderstorms	5000	880000
2012	6	06/29/2012 10:43 PM	07/02/2012 10:01 PM	71 Hours, 18 Minutes	Baltimore Gas & Electric Company (BGE)	RFC	Greater Baltimore area, Maryland	Severe Weather - Thunderstorms	1465	600000
2012	6	06/29/2012 11:30 PM	06/30/2012 2:00 AM	2 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Northeast Illinois	Severe Weather - Thunderstorms	UNK	109000
2012	6	06/30/2012 1:00 AM	07/03/2012 1:00 AM	72 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Delaware; Maryland	Severe Weather - Thunderstorms	0	86390
2012	6	06/30/2012 1:15 AM	07/07/2012 5:33 PM	184 Hours, 18 Minutes	Atlantic City Electric	RFC	Atlantic City Electric Service Territory New Jersey	Severe Weather - Thunderstorms	UNK	205000
2012	6	06/30/2012 3:00 PM	07/02/2012 12:00 PM	45 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Northeast Tennessee	Public Appeal to Reduce Electricity Usage	UNK	UNK
2012	6	06/30/2012 10:30 PM	07/02/2012 8:11 AM	33 Hours, 41 Minutes	Southern Maryland Electric Cooperative, Inc.	RFC	Calvert, Charles, St. Mary's, Prince Georges Counties Maryland	Severe Weather - Thunderstorms	354	60000
2012	7	07/01/2012 1:00 PM	07/03/2012 3:00 PM	50 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	320000
2012	7	07/01/2012 4:47 PM	07/01/2012 11:00 PM	6 Hours, 13 Minutes	North Carolina Municipal Power Agency #1	SERC	Tarboro, North Carolina	Operational Failure; Storm Damage	48	6100
2012	7	07/01/2012 5:45 PM	07/01/2012 10:15 PM	4 Hours, 30 Minutes	Progress Energy, Carolinas	SERC	Northern, Central and Eastern North Carolina	Severe Weather	Unknown	69106
2012	7	07/05/2012 12:00 AM	07/06/2012 8:30 PM	44 Hours, 30 Minutes	Consumers Energy	RFC	Lower Peninsula Michigan	Severe Weather - Thunderstorms	Unknown	111000
2012	7	07/05/2012 7:00 PM	07/06/2012 4:00 PM	21 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Northeast Tennessee	Severe Weather - Wind & Storms	N/A	50001
2012	7	07/07/2012 4:00 AM	07/10/2012 4:00 AM	72 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO California	Fuel Supply Deficiency (Water)	Unknown	0
2012	7	07/07/2012 6:06 AM	07/09/2012 11:00 PM	64 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Lower Valley, Central, Susquehanna Regions Pennsylvania	Severe Weather - Thunderstorms	N/A	64500
2012	7	07/07/2012 6:00 PM	07/09/2012 7:01 PM	49 Hours, 1 Minutes	FirstEnergy Corp. Jersey Central Power & Light	RFC	Central and Northern New Jersey	Severe Weather - Thunderstorms	N/A	95400
2012	7	07/09/2012 12:15 PM	07/09/2012 4:14 PM	3 Hours, 59 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Energy Deficiency Alert	9896	Unknown
2012	7	07/16/2012 11:27 AM	07/16/2012 12:29 PM	1 Hours, 2 Minutes	North Little Rock Electric Department	SPP	Little Rock, Arkansas	Public Appeal to Reduce Energy Usage	N/A	N/A
2012	7	07/18/2012 2:16 PM	07/19/2012 11:58 PM	33 Hours, 42 Minutes	Duke Energy Midwest	RFC	Southeast Ohio, Northern Kentucky, Southern Indiana	Severe Weather - Thunderstorms	480	103000
2012	7	07/18/2012 4:20 PM	07/18/2012 7:05 PM	2 Hours, 45 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	Unknown	67000
2012	7	07/18/2012 11:00 PM	07/19/2012 6:00 AM	7 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	Unknown	181000
2012	7	07/19/2012 10:30 AM	07/31/2012 11:00 AM	288 Hours, 30 Minutes	Somerset Operating Company	NPCC	Niagara County, New York	Fuel Supply Deficiency (Coal)	675	Unknown
2012	7	07/21/2012 2:19 AM	07/21/2012 5:20 AM	3 Hours, 1 Minutes	Lubbock Power and Light	SPP	City of Lubbock, Texas	Severe Weather; Equipment Failure	220	70000
2012	7	07/24/2012 7:01 AM	07/24/2012 4:30 PM	9 Hours, 29 Minutes	Northern Indiana Public Service Company	RFC	Northern Indiana	Severe Weather - Thunderstorms	N/A	82621
2012	7	07/24/2012 7:30 AM	07/24/2012 10:00 PM	14 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	Unknown	330000
2012	7	07/26/2012 6:14 PM	07/27/2012 6:14 PM	24 Hours, 0 Minutes	FirstEnergy Corp.: Pennsylvania Electric Company	RFC	Western Pennsylvania	Severe Weather - Thunderstorms	N/A	65112
2012	7	07/26/2012 6:21 PM	07/28/2012 11:30 PM	53 Hours, 9 Minutes	PPL Electric Utilities Corp	RFC	North/Central Pennsylvania	Severe Weather - Thunderstorms	N/A	65000
2012	7	07/26/2012 6:30 PM	07/27/2012 5:22 PM	22 Hours, 52 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	Unknown	57054
2012	7	07/27/2012 5:19 PM	07/28/2012 5:19 PM	24 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	Unknown	52702
2012	8	08/01/2012 12:00 PM	08/01/2012 12:00 PM	0 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Oklahoma, Arkansas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2012	8	08/04/2012 3:55 AM	08/04/2012 4:21 AM	0 Hours, 26 Minutes	Pacific Gas & Electric Co	WECC	Temblor Substation in McKittrick, California	Electrical System Separation (Islanding)	5	127
2012	8	08/04/2012 4:00 AM	08/04/2012 7:20 AM	3 Hours, 20 Minutes	Northern Indiana Public Service Company	RFC	Northern Indiana	Severe Weather - Thunderstorms	N/A	61413
2012	8	08/04/2012 5:30 PM	08/05/2012 12:10 PM	18 Hours, 40 Minutes	Exelon Corporation/ComEd	RFC	Northeast Illinois	Severe Weather - Thunderstorms	Unknown	325000
2012	8	08/13/2012 3:52 PM	08/13/2012 7:44 PM	3 Hours, 52 Minutes	WECC Reliability Coordinator	WECC	CFE (Mexico & U.S.)	Severe Weather - Dust Storm; Load Shed Event	655	Unknown
2012	8	08/26/2012 10:04 PM	08/27/2012 2:04 AM	4 Hours, 0 Minutes	Florida Power & Light	FRCC	Florida	Severe Weather - TS Isaac	N/A	440000

Table B.2 Major Disturbances and Unusual Occurrences, 2012

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2012	8	08/28/2012 6:00 AM	09/04/2012 8:00 AM	170 Hours, 0 Minutes	Entergy	SERC	Arkansas, Louisiana, Mississippi	Severe Weather - Hurricane Isaac	Unknown	770000
2012	8	08/29/2012 6:53 AM	08/30/2012 2:00 PM	31 Hours, 7 Minutes	Dixie Electric Membership Corp	SERC	Louisiana	Severe Weather - Hurricane Isaac	150	68018
2012	8	08/29/2012 9:00 AM	08/31/2012 12:00 PM	51 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana	Severe Weather - Hurricane Isaac	300	50000
2012	8	08/29/2012 9:48 AM	08/31/2012 12:55 PM	51 Hours, 7 Minutes	Cleco Power LLC	SPP	Louisiana	Severe Weather - Hurricane Isaac	Unknown	95000
2012	9	09/08/2012 3:40 PM	09/08/2012 6:45 PM	3 Hours, 5 Minutes	PEPCO (Potomac Electric Power Company)	RFC	Prince George's County, Montgomery County Maryland; D.C.	Severe Weather - Thunderstorms	UNK	65000
2012	9	09/08/2012 3:53 PM	09/09/2012 7:46 PM	27 Hours, 53 Minutes	Dominion Virginia Power	SERC	Virginia	Severe Weather - Thunderstorms	475	119000
2012	9	09/11/2012 1:00 PM	09/11/2012 1:58 PM	0 Hours, 58 Minutes	WECC - Loveland	WECC	Alberta, Canada	Electrical System Separation (Islanding)	0	0
2012	9	09/26/2012 9:16 PM	09/26/2012 10:18 PM	1 Hours, 2 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Voltage Reduction	600	371526
2012	10	10/14/2012 10:36 AM	10/14/2012 10:50 AM	0 Hours, 14 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Electrical System Separation (Islanding)	3	2035
2012	10	10/23/2012 9:10 AM	10/23/2012 9:16 AM	0 Hours, 6 Minutes	Crawfordsville Electric, Light & Power	RFC	Crawfordsville, Indiana	Transmission System Interruption	49	9800
2012	10	10/29/2012 12:00 AM	11/09/2012 11:59 PM	287 Hours, 59 Minutes	FirstEnergy Corp: Mon Power Company	RFC	West Virginia	Severe Weather - Hurricane Sandy	0	208000
2012	10	10/29/2012 8:00 AM	11/04/2012 11:00 PM	159 Hours, 0 Minutes	Atlantic City Electric Co	RFC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	Unknown
2012	10	10/29/2012 9:00 AM	11/02/2012 6:00 PM	105 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Delaware, Maryland	Severe Weather - Hurricane Sandy	Unknown	70000
2012	10	10/29/2012 12:00 PM	11/04/2012 11:00 PM	155 Hours, 0 Minutes	FirstEnergy Corp: Jersey Central Power & Light	RFC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	217000
2012	10	10/29/2012 1:00 PM	11/12/2012 2:00 PM	337 Hours, 0 Minutes	Long Island Power Authority (LIPA)	NPCC	Long Island, New York	Severe Weather - Hurricane Sandy	0	632816
2012	10	10/29/2012 2:40 PM	10/30/2012 6:16 PM	27 Hours, 36 Minutes	ISO New England obo NSTAR	NPCC	Boston, Southeast Massachusetts	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 2:45 PM	11/01/2012 1:30 AM	58 Hours, 45 Minutes	ISO New England/REMVEC	NPCC	Eastern Massachusetts	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 3:15 PM	11/04/2012 8:00 PM	148 Hours, 45 Minutes	ISO New England/CONVEX	NPCC	Connecticut, Western Massachusetts	Severe Weather - Hurricane Sandy	0	649075
2012	10	10/29/2012 4:00 PM	11/05/2012 11:59 PM	175 Hours, 59 Minutes	FirstEnergy Corp: CEI	RFC	Greater Cleveland Ohio	Severe Weather - Hurricane Sandy	0	346000
2012	10	10/29/2012 4:00 PM	11/07/2012 11:48 PM	223 Hours, 48 Minutes	FirstEnergy Corp: Met-Ed	RFC	Eastern Pennsylvania	Severe Weather - Hurricane Sandy	0	270000
2012	10	10/29/2012 4:00 PM	11/08/2012 5:08 PM	241 Hours, 8 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland; West Virginia	Severe Weather - Hurricane Sandy	Unknown	150000
2012	10	10/29/2012 4:01 PM	11/08/2012 7:00 PM	242 Hours, 59 Minutes	Consolidated Edison Co-NY Inc	NPCC	Greater New York City, New York	Severe Weather - Hurricane Sandy	0	818000
2012	10	10/29/2012 4:03 PM	11/06/2012 12:00 PM	187 Hours, 57 Minutes	PSE&G	NPCC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 4:45 PM	10/31/2012 11:00 AM	42 Hours, 15 Minutes	ISO New England/PSNH	NPCC	New Hampshire	Severe Weather - Hurricane Sandy	N/A	50000
2012	10	10/29/2012 5:13 PM	10/31/2012 11:00 AM	41 Hours, 47 Minutes	Baltimore Gas & Electric Company	RFC	Greater Baltimore Maryland	Severe Weather - Hurricane Sandy	0	219000
2012	10	10/29/2012 5:30 PM	11/06/2012 12:00 AM	174 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Greater Philadelphia Pennsylvania	Severe Weather - Hurricane Sandy	Unknown	850000
2012	10	10/29/2012 6:11 PM	11/04/2012 10:50 PM	148 Hours, 39 Minutes	PPL Electric Utilities Corp	RFC	Central Pennsylvania	Severe Weather - Hurricane Sandy	Unknown	400000
2012	10	10/29/2012 6:12 PM	10/30/2012 7:35 PM	25 Hours, 23 Minutes	Dominion Virginia Power	RFC	Virginia	Severe Weather - Hurricane Sandy	520	156000
2012	10	10/29/2012 6:46 PM	11/03/2012 10:45 AM	111 Hours, 59 Minutes	Orange and Rockland Utilities, Inc.	NPCC; RFC	Southeast New York; New Jersey	Severe Weather - Hurricane Sandy	Unknown	200000
2012	10	10/29/2012 6:48 PM	11/04/2012 11:36 AM	136 Hours, 48 Minutes	Iberdrola USA (NYSEG)	NP	New York	Severe Weather - Hurricane Sandy	Unknown	371000
2012	10	10/29/2012 7:00 PM	11/02/2012 5:00 AM	82 Hours, 0 Minutes	American Electric Power	RFC; SERC	Indiana; Kentucky; Michigan; Ohio	Severe Weather - Nor'easter	Unknown	173273
2012	10	10/29/2012 7:15 PM	10/30/2012 3:02 PM	19 Hours, 47 Minutes	ISO New England	NPCC	Southeast and Seacoast Maine	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/30/2012 2:00 AM	11/01/2012 10:00 PM	68 Hours, 0 Minutes	Detroit Edison Co	RFC	Greater Detroit Michigan	Severe Weather - Nor'easter	Unknown	133777
2012	11	11/17/2012 10:00 AM	11/18/2012 10:00 AM	24 Hours, 0 Minutes	ERCOT	TRE	Comanche Peak, Texas	Fuel Supply Deficiency	1231	0
2012	12	12/02/2012 5:20 AM	12/04/2012 9:00 AM	51 Hours, 40 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather - Winter Storm	250	125000
2012	12	12/06/2012 9:18 PM	12/06/2012 9:31 PM	0 Hours, 13 Minutes	California Department of Water Resources	WECC	Greater San Jose, California	Load Shed	390	Unknown
2012	12	12/25/2012 12:45 AM	12/28/2012 4:15 PM	87 Hours, 30 Minutes	Entergy	SPP	Arkansas; Louisiana; Mississippi; Texas	Severe Weather - Winter Storm	Unknown	242509
2012	12	12/25/2012 9:28 AM	12/26/2012 4:28 PM	31 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Cold Front, High Winds	294	262000
2012	12	12/26/2012 2:50 PM	12/26/2012 7:40 PM	4 Hours, 50 Minutes	Town of Stantonsburg - (NC)	SERC	Stantonsburg, North Carolina	Severe Weather - Thunderstorm	3	1200
2012	12	12/31/2012 2:21 PM	12/31/2012 4:30 PM	2 Hours, 9 Minutes	City of Washington - (NC)	SERC	North Carolina	Transmission Interruption	40	12000

Note: Customers affected are estimates and are preliminary.
Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

Appendix C

Technical notes

This appendix describes how the U. S. Energy Information Administration (EIA) collects, estimates, and reports electric power data in the EPM.

Data quality

The EPM is prepared by the 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 non-sampling. 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 non-sampling errors. Monthly sample survey data have both sampling and non-sampling error. Annual survey data are collected by a census and are not subject to sampling error.

Non-sampling 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 non-sampling 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 non-sampling errors are handled in each case.

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. 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.

The sampling error may be less than the non-sampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated non-sampling errors, which were then identified and corrected. Non-sampling 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 non-sampling errors also occur in complete censuses.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approxi-mately 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 percentages. 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 non-sampling 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 approxi-mately 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.

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 percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample21,24. 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 data22. 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.

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. 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 Inference16," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). The basis for the current methodology involves a 'borrowing of strength' technique for small domains.

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.

Data sources for Electric Power Monthly

Data published in the 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,"
- Form EIA-906, "Power Plant Report," and
- Form EIA-920, "Combined Heat and Power Plant Report."

See Appendix A of the historical Electric Power Annual reports to find descriptions of forms that are no longer in use. The publications can be found from the top of the current EPA under previous issues: http://www.eia.gov/electricity/annual.

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.

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

*	The value reported is less than half of the smallest unit of measure, but is greater than zero.
P	Indicates a preliminary value.
NM	Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).
(*)	Usage of this symbol indicates a number rounded to zero.

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 500 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 elec-tric 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. 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 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 included 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.

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 Form EIA-860 or Form 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, the regressor data for Schedule 1 Parts B and C is the prior month's data.

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

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

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

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

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

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate retail price of electricity at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates[1].

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. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

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

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

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

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

Sensitive data: 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 annual census of all existing and planned electric generating facilities 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 10 year plans for constructing new plants, as well as 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, 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.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. 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.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

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.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

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

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator's prime mover by using the abbrebiations in the table below.

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (including jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft
CC	Combined Cycle Total Unit
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
HY	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other

Energy Sources: The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

Energy Source Grouping	Energy Source Code	Energy Source Description
Coal	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Petroleum Products	DFO	Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
	JF	Jet Fuel
	KER	Kerosene
	PC	Petroleum Coke
	PG	Gaseous Propane
	RFO	Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
Natural Gas and Other Gases	BFG	Blast Furnace Gas
	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT (Prime Mover = HY)	Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT (Prime Mover = PS)	Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine
Wood and Wood-Derived Fuels	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
Other Renewable Energy Sources	SUN	Solar (including solar thermal)
	WND	Wind
	GEO	Geothermal
Other Energy Sources	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
	TDF	Tire-Derived Fuels
	MWH	Electricity used for energy storage
	OTH	Other

Sensitive data: The tested heat rate data collected on the Form EIA-860 are considered business sensitive.

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 Form 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 the expected effective date for all new units or expected retirement date for existing units. For all other types of capacity changes (including retirements, uprates, derates, repowering, or other modifications), respondents are added 1 month prior to the anticipated modification change 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 in the frame. Typically, 150 to 200 utilities per month are required to report for 175 to 250 plants (including 250 to 400 generating units) on this form. The unit characteristics of interest are changes to the previously reported planned operating 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: Approximately 150 to 200 utilities are requested to provide data each month on the Form EIA 860M. These data are 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: 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 sales and revenue data from approximately 3,300 respondents. About 3,200 are electric utilities and the remainder are nontraditional utilities such as energy service providers or the unregulated subsidiaries of electric utilities 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 per-formed 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 Form 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.

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 other 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, and does not equal 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: 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 1,900 plants, which includes a census of nuclear and pumped-storage hydroelectric plants. In addition approximately 4,050 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 Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

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 entities14. 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 data15. 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 are performed as the data are 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 are manually entered into the computerized database. The data are subjected to the same edits as those that are electronically submitted.

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

Imputation: For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

Net Generation = (Factor) x Gross Generation
Prime Movers:
Combined Cycle Steam - 0.97
Combined Cycle Single Shaft - 0.97
Combined Cycle Combustion Turbine - 0.97
Compressed Air - 0.97
Fuel Cell - 0.99
Gas Turbine - 0.98
Hydroelectric Turbine - 0.99
Hydroelectric Pumped Storage - 0.99
Internal Combustion Engine - 0.98
Other - 0.97
Photovoltaic - 0.99
Steam Turbine - 0.97
Wind Turbine - 0.99
Environmental Equipment:
Flue Gas Desulfurization - 0.97
Flue Gas Particulate 0.99
All Others - 0.97

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are 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. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

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.

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 Forms EIA-906 and EIA-920 for the collection of these data.

Methodology to estimate biogenic and non-biogenic municipal solid waste[2]: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

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

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 Tables 1 and 2, below). [3]

These values are used to allocate net generation published in the Electric Power Monthly 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	2007	2008	2009	2010
Biogenic	57	56	55	55	56	57	55	54	51	50
Non-biogenic	43	44	45	45	44	43	46	46	49	50

Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	77	77	76	76	75	67	65	65	64	64
Non-biogenic	23	23	24	24	25	34	35	35	36	36

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. 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).

Conversion of propane gas to liquid petroleum: The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

Conversion of synthesis gas from coal to coal: The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Conversion of synthesis gas from petroleum coke to petroleum coke: The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

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. In January 2013, this estimation procedure was dropped.

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

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form 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: 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 following 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 ReliabilityFirst 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),
- ReliabilityFirst 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. 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

[1] The basic technique employed is described in the paper "Model-Based Sampling and Inference," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). See the following sources: Knaub, J.R., Jr. (1999a), "Using Prediction-Oriented Software for Survey Estimation," InterStat, August 1999, http://interstat.statjournals.net/; Knaub, J.R. Jr. (1999b), "Model-Based Sampling, Inference and Imputation," EIA web site: http://www.eia.gov/cneaf/electricity/forms/eiawebme.pdf; Knaub, J.R., Jr. (2005), "Classical Ratio Estimator," InterStat, October 2005, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2007a), "Cutoff Sampling and Inference," InterStat, April 2007, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2008), "Cutoff Sampling." Definition in Encyclopedia of Survey Research Methods, Editor: Paul J. Lavrakas, Sage, to appear; Knaub, J.R., Jr. (2000), "Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals," InterStat, June 2000, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2001), "Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias," InterStat, June 2001, http://interstat.statjournals.net/.

[2] See the following sources: Bahillo, A. et al. Journal of Energy Resources Technology, "NOx and N2O Emissions During Fluidized Bed Combustion of Leather Wastes." Volume 128, Issue 2, June 2006. pp. 99-103; U.S. Energy Information Administration. *Renewable Energy Annual 2004*. "Average Heat Content of Selected Biomass Fuels." Washington, DC, 2005; Penn State Agricultural College Agricultural and Biological Engineering and Council for Solid Waste Solutions. Garth, J. and Kowal, P. Resource Recovery, Turning Waste into Energy, University Park, PA, 1993; Utah State University Recycling Center Frequently Asked Questions. Published at http://www.usu.edu/recycle/faq.htm. Accessed December 2006.

[3] 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.

Table C.1 Average Heat Content of Fossil-Fuel Receipts, April 2013

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	24.79	6.23	--	1.03
Connecticut	--	5.64	--	1.03
Maine	25.31	6.27	--	1.02
Massachusetts	24.01	6.30	--	1.03
New Hampshire	25.98	5.57	--	1.02
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	24.54	6.04	--	1.03
New Jersey	25.75	5.75	--	1.03
New York	22.10	6.20	--	1.03
Pennsylvania	24.74	5.80	--	1.03
East North Central	20.21	5.78	27.97	1.02
Illinois	17.77	5.76	--	1.01
Indiana	22.10	5.77	--	1.03
Michigan	18.69	5.82	28.99	1.02
Ohio	24.00	5.77	27.86	1.03
Wisconsin	17.95	5.84	28.10	1.03
West North Central	16.72	5.78	--	1.03
Iowa	17.13	5.72	--	1.03
Kansas	17.26	5.82	--	1.03
Minnesota	17.85	5.65	--	1.02
Missouri	17.66	5.79	--	1.02
Nebraska	17.28	5.80	--	1.03
North Dakota	13.26	5.85	--	--
South Dakota	16.74	--	--	1.03
South Atlantic	23.73	5.87	28.10	1.02
Delaware	26.07	5.67	--	1.03
District of Columbia	--	--	--	--
Florida	23.47	5.78	28.26	1.01
Georgia	19.86	5.86	26.30	1.02
Maryland	25.22	5.79	--	1.07
North Carolina	24.54	5.78	--	1.02
South Carolina	24.94	6.13	--	1.02
Virginia	24.38	5.88	--	1.03
West Virginia	24.48	5.74	--	1.04
East South Central	21.31	5.79	28.31	1.02
Alabama	20.30	5.78	--	1.02
Kentucky	22.60	5.78	28.31	1.03
Mississippi	18.14	5.85	--	1.02
Tennessee	20.73	5.76	--	1.02
West South Central	16.12	5.83	28.82	1.03
Arkansas	17.36	5.85	--	1.03
Louisiana	17.54	5.82	28.85	1.03
Oklahoma	17.30	5.80	--	1.04
Texas	15.45	5.82	28.55	1.03
Mountain	18.98	5.77	--	1.04
Arizona	19.72	5.73	--	1.03
Colorado	18.89	5.82	--	1.05
Idaho	--	--	--	1.01
Montana	16.95	5.92	--	--
Nevada	19.56	5.82	--	1.04
New Mexico	18.01	5.66	--	1.04
Utah	22.39	5.82	--	1.04
Wyoming	17.68	5.81	--	1.05
Pacific Contiguous	18.63	--	--	1.03
California	23.00	--	--	1.03
Oregon	16.73	--	--	1.03
Washington	17.24	--	--	1.04
Pacific Noncontiguous	19.98	6.09	--	1.01
Alaska	--	--	--	1.01
Hawaii	19.98	6.09	--	--
U.S. Total	19.64	5.98	28.44	1.03

'Coal' includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
'Petroleum Liquids' include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
'Petroleum Coke' includes petroleum coke and synthesis gas derived from petroleum coke.
'Natural Gas' includes a small amount of supplemental gaseous fuels.
Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2009 through 2011

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2009**	**2010**	**2011**
Net Generation			
Coal	0.49%	0.20%	0.15%
Petroleum Liquids	1.45%	1.88%	2.67%
Petroleum Coke	1.48%	1.75%	14.41%
Natural Gas	0.45%	0.76%	0.41%
Other Gases	1.48%	1.55%	2.95%
Hydroelectric	0.90%	0.97%	1.85%
Nuclear	0.01%	0.00%	0.00%
Other	2.64%	0.78%	1.03%
Total	**0.11%**	**0.17%**	**0.15%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.36%	0.11%	0.23%
Petroleum Liquids	1.80%	1.49%	2.90%
Petroleum Coke	1.27%	1.50%	9.93%
Natural Gas	0.47%	0.70%	0.28%
Fuel Stocks for Electric Power Sector			
Coal	0.10%	0.18%	0.46%
Petroleum Liquids	1.55%	0.67%	0.55%
Petroleum Coke	0.46%	3.76%	2.64%
Retail Sales			
Residential	0.12%	0.32%	0.15%
Commercial	1.20%	0.14%	0.66%
Industrial	4.03%	0.90%	1.61%
Transportation	1.63%	2.18%	0.88%
Total	**0.60%**	**0.17%**	**0.64%**
Revenue			
Residential	0.22%	0.70%	0.73%
Commercial	1.59%	0.61%	0.24%
Industrial	3.59%	0.66%	0.58%
Transportation	3.48%	4.24%	0.29%
Total	**0.14%**	**0.45%**	**0.31%**
Average Retail Price			
Residential	0.34%	0.43%	0.66%
Commercial	0.41%	0.67%	0.79%
Industrial	0.57%	0.41%	1.02%
Transportation	4.60%	3.87%	1.08%
Total	**0.70%**	**0.56%**	**0.90%**
Receipt of Fossil Fuels			
Coal	0.88%	0.58%	0.39%
Petroleum Liquids	7.66%	4.09%	5.25%
Petroleum Coke	6.07%	3.77%	16.19%
Natural Gas	0.80%	0.81%	0.52%
Cost of Fossil Fuels			
Coal	0.19%	0.18%	0.28%
Petroleum Liquids	3.37%	0.24%	1.55%
Petroleum Coke	1.24%	2.37%	8.98%
Natural Gas	0.96%	0.20%	0.50%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
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 C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2009 through 2011

	2009			2010			2011		
Item	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,764,486	1,755,904	-0.49%	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%
Petroleum Liquids	25,792	25,972	0.70%	23,397	23,337	-0.26%	15,840	16,086	1.56%
Petroleum Coke	13,035	12,964	-0.54%	13,528	13,724	1.45%	12,322	14,096	14.39%
Natural Gas	920,378	920,979	0.07%	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%
Other Gases	10,698	10,632	-0.61%	11,193	11,313	1.07%	11,269	11,566	2.64%
Hydroelectric	267,784	268,818	0.39%	252,961	254,702	0.69%	319,162	313,450	-1.79%
Nuclear	798,745	798,855	0.01%	806,968	806,968	0.00%	790,225	790,204	0.00%
Other	152,193	156,207	2.64%	179,416	180,028	0.34%	206,057	208,135	1.01%
Total	**3,953,111**	**3,950,331**	**-0.07%**	**4,120,028**	**4,125,060**	**0.12%**	**4,105,734**	**4,100,656**	**-0.12%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	938,059	934,683	-0.36%	979,555	979,684	0.01%	932,911	934,938	0.22%
Petroleum Liquids (1,000 barrels)	43,672	43,562	-0.25%	40,041	40,103	0.15%	26,728	27,326	2.24%
Petroleum Coke (1,000 tons)	4,855	4,821	-0.70%	4,956	4,994	0.76%	4,561	5,012	9.89%
Natural Gas (1,000 Mcf)	7,104,600	7,121,069	0.23%	7,633,469	7,680,185	0.61%	7,880,481	7,883,865	0.04%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	189,971	189,467	-0.27%	175,160	174,917	-0.14%	175,100	172,387	-1.55%
Petroleum Liquids (1,000 barrels)	38,699	39,210	1.32%	36,126	35,706	-1.16%	35,260	34,847	-1.17%
Petroleum Coke (1,000 tons)	1,395	1,394	-0.08%	1,087	1,019	-6.31%	470	508	8.17%
Retail Sales (Million kWh)									
Residential	1,362,869	1,364,474	0.12%	1,450,758	1,445,708	-0.35%	1,423,700	1,422,801	-0.06%
Commercial	1,322,989	1,307,168	-1.20%	1,329,322	1,330,199	0.07%	1,319,288	1,328,057	0.66%
Industrial	881,903	917,442	4.03%	962,165	970,873	0.91%	975,569	991,316	1.61%
Transportation	7,689	7,781	1.20%	7,740	7,712	-0.35%	7,606	7,672	0.87%
Total	**3,575,450**	**3,596,865**	**0.60%**	**3,749,985**	**3,754,493**	**0.12%**	**3,726,163**	**3,749,846**	**0.64%**
Revenue (Million Dollars)									
Residential	157,351	157,008	-0.22%	167,957	166,782	-0.70%	167,930	166,714	-0.72%
Commercial	135,084	132,940	-1.59%	136,361	135,559	-0.59%	136,138	135,926	-0.16%
Industrial	60,341	62,504	3.58%	65,311	65,750	0.67%	67,212	67,606	0.59%
Transportation	859	828	-3.58%	848	815	-3.94%	805	803	-0.25%
Total	**353,635**	**353,280**	**-0.10%**	**370,477**	**368,906**	**-0.42%**	**372,084**	**371,049**	**-0.28%**
Average Retail Price (Cents/kWh)									
Residential	11.55	11.51	-0.34%	11.58	11.54	-0.35%	11.80	11.72	-0.66%
Commercial	10.21	10.17	-0.40%	10.26	10.19	-0.65%	10.32	10.23	-0.81%
Industrial	6.84	6.81	-0.43%	6.79	6.77	-0.23%	6.89	6.82	-1.01%
Transportation	11.17	10.65	-4.72%	10.96	10.57	-3.61%	10.58	10.46	-1.11%
Total	**9.89**	**9.82**	**-0.70%**	**9.88**	**9.83**	**-0.54%**	**9.99**	**9.90**	**-0.91%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	972,973	981,477	0.87%	976,052	979,918	0.40%	945,581	948,668	0.33%
Petroleum Liquids (1,000 barrels)	50,184	54,181	7.97%	46,156	45,472	-1.48%	34,342	36,158	5.29%
Petroleum Coke (1,000 tons)	6,570	6,954	5.85%	5,868	5,963	1.61%	5,163	5,980	15.82%
Natural Gas (1,000 Mcf)	8,096,135	8,118,550	0.28%	8,605,619	8,673,070	0.78%	9,025,066	9,056,164	0.34%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.21	2.21	-0.06%	2.27	2.27	0.10%	2.40	2.39	-0.17%
Petroleum Liquids (1,000 barrels)	9.95	10.26	3.10%	14.03	14.02	-0.06%	20.10	19.94	-0.76%
Petroleum Coke (1,000 tons)	1.62	1.61	-0.35%	2.23	2.28	2.36%	2.80	3.03	8.27%
Natural Gas (1,000 Mcf)	4.70	4.74	0.89%	5.08	5.09	0.20%	4.71	4.72	0.41%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2011 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 C.4. 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

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) ReliabilityFirst 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.