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Preface

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

Background

The Office of Electricity, Renewables & Uranium Statistics, 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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	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Net Generation (Thousand Megawatthours)											
Coal	153,330	160,938	-4.7%	114,496	121,198	37,544	38,318	79	78	1,211	1,344
Petroleum Liquids	1,440	1,517	-5.1%	956	1,134	437	335	11	11	36	37
Petroleum Coke	1,317	772	70.7%	976	467	170	135	0	1	170	168
Natural Gas	119,608	140,202	-14.7%	50,425	58,989	60,948	72,767	537	553	7,698	7,892
Other Gas	1,042	968	7.6%	7	NM	288	236	NM	0	746	731
Nuclear	70,531	69,129	2.0%	36,724	35,999	33,807	33,130	0	0	0	0
Hydroelectric Conventional	27,180	26,758	1.6%	24,557	25,094	2,305	1,552	NM	NM	311	109
Other Renewables	18,507	15,731	17.7%	2,183	1,798	13,594	11,304	256	239	2,475	2,390
Wood and Wood-Derived Fuels	3,404	3,296	3.3%	208	165	806	824	NM	2	2,387	2,304
Other Biomass	1,723	1,769	-2.6%	121	128	1,297	1,340	221	219	84	82
Geothermal	1,444	1,421	1.6%	96	96	1,348	1,325	0	0	0	0
Solar Thermal and Photovoltaic	794	522	52.2%	86	75	680	431	27	14	NM	NM
Wind	11,143	8,724	27.7%	1,672	1,335	9,463	7,384	NM	NM	NM	NM
Hydroelectric Pumped Storage	-306	-587	-47.8%	-204	-498	-103	-89	0	0	0	0
Other Energy Sources	1,104	1,087	1.6%	40	30	621	631	100	94	342	332
All Energy Sources	393,753	416,515	-5.5%	230,162	244,213	149,612	158,319	990	980	12,989	13,003
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	83,466	86,667	-3.7%	61,595	64,476	21,416	21,662	30	30	425	500
Petroleum Liquids (1000 barrels)	2,647	2,677	-1.1%	1,860	2,042	729	571	16	17	NM	47
Petroleum Coke (1000 tons)	467	291	60.5%	337	182	72	55	0	0	57	54
Natural Gas (1000 Mcf)	937,994	1,123,145	-16.5%	414,068	501,548	465,169	561,605	4,501	4,562	54,255	55,429
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,579	1,652	-4.4%	0	0	284	291	80	89	1,215	1,272
Petroleum Liquids (1000 barrels)	237	232	2.2%	0	0	86	81	17	15	NM	137
Petroleum Coke (1000 tons)	86	94	-8.5%	0	0	10	9	0	1	77	84
Natural Gas (1000 Mcf)	74,912	79,508	-5.8%	0	0	27,376	30,195	3,916	3,876	43,620	45,437
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	85,045	88,319	-3.7%	61,595	64,476	21,700	21,953	110	118	1,640	1,773
Petroleum Liquids (1000 barrels)	2,885	2,909	-0.8%	1,860	2,042	815	651	33	32	NM	184
Petroleum Coke (1000 tons)	553	385	43.6%	337	182	82	64	0	1	134	138
Natural Gas (1000 Mcf)	1,012,905	1,202,652	-15.8%	414,068	501,548	492,545	591,800	8,416	8,438	97,876	100,866
Fuel Stocks (end-of-month)											
Coal (1000 tons)	163,105	185,817	-12.2%	132,045	148,872	28,358	34,246	389	428	2,314	2,271
Petroleum Liquids (1000 barrels)	34,572	35,865	-3.6%	24,014	24,757	7,620	8,492	230	271	2,709	2,344
Petroleum Coke (1000 tons)	870	1,062	-18.1%	279	216	118	258	W	W	W	W

Sales, Revenue, and Average Retail Price for July									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	July 2013	July 2012	Percentage Change	July 2013	July 2012	Percentage Change	July 2013	July 2012	Percentage Change
Residential	143,456	154,649	-7.2%	18,087	18,564	-2.6%	12.61	12.00	5.1%
Commercial	126,654	128,157	-1.2%	13,687	13,349	2.5%	10.81	10.42	3.7%
Industrial	83,703	86,762	-3.5%	6,124	6,202	-1.3%	7.32	7.15	2.4%
Transportation	637	642	-0.7%	69	68	2.3%	10.90	10.57	3.1%
All Sectors	354,450	370,210	-4.3%	37,967	38,183	-0.6%	10.71	10.31	3.9%

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 July											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	917,854	853,884	7.5%	687,349	648,343	222,392	197,169	519	512	7,593	7,860
Petroleum Liquids	8,141	7,952	2.4%	5,604	6,035	2,206	1,555	58	48	273	314
Petroleum Coke	7,651	5,615	36.2%	5,554	3,370	1,018	1,068	2	2	1,076	1,175
Natural Gas	632,851	734,724	-13.9%	266,253	302,015	312,266	379,326	3,324	3,497	51,008	49,887
Other Gas	6,423	6,857	-6.3%	32	NM	1,569	1,630	NM	NM	4,821	5,219
Nuclear	452,412	450,179	0.5%	232,514	231,307	219,898	218,872	0	0	0	0
Hydroelectric Conventional	174,018	177,538	-2.0%	156,823	162,573	14,973	13,840	NM	NM	2,189	1,099
Other Renewables	149,964	130,171	15.2%	18,642	16,711	113,464	95,886	1,666	1,561	16,192	16,013
Wood and Wood-Derived Fuels	21,670	21,448	1.0%	1,175	1,010	4,847	4,953	14	14	15,634	15,470
Other Biomass	11,354	11,666	-2.7%	805	845	8,571	8,865	1,451	1,437	529	520
Geothermal	9,830	9,725	1.1%	611	658	9,219	9,067	0	0	0	0
Solar Thermal and Photovoltaic	4,470	2,412	85.3%	496	357	3,808	1,975	157	73	NM	NM
Wind	102,640	84,919	20.9%	15,556	13,841	87,020	71,025	43	37	21	15
Hydroelectric Pumped Storage	-2,269	-2,471	-8.2%	-1,811	-2,056	-459	-415	0	0	0	0
Other Energy Sources	7,104	7,153	-0.7%	249	230	4,046	4,217	626	578	2,183	2,128
All Energy Sources	2,354,148	2,371,601	-0.7%	1,371,209	1,368,534	891,374	913,147	6,230	6,224	85,335	83,696
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	497,269	464,482	7.1%	368,917	347,955	125,508	113,443	197	184	2,646	2,900
Petroleum Liquids (1000 barrels)	13,889	13,749	1.0%	10,105	10,787	3,362	2,500	84	72	338	390
Petroleum Coke (1000 tons)	2,777	2,056	35.0%	1,972	1,254	439	417	1	1	365	384
Natural Gas (1000 Mcf)	4,820,102	5,670,886	-15.0%	2,123,610	2,465,981	2,310,866	2,829,125	28,100	29,165	357,526	346,614
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	11,323	11,807	-4.1%	0	0	1,924	2,021	697	722	8,702	9,064
Petroleum Liquids (1000 barrels)	1,616	1,636	-1.2%	0	0	559	532	87	70	970	1,035
Petroleum Coke (1000 tons)	675	735	-8.2%	0	0	63	67	5	5	608	664
Natural Gas (1000 Mcf)	516,190	526,533	-2.0%	0	0	183,676	192,927	24,570	26,409	307,944	307,198
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	508,591	476,289	6.8%	368,917	347,955	127,432	115,464	894	906	11,348	11,965
Petroleum Liquids (1000 barrels)	15,505	15,385	0.8%	10,105	10,787	3,920	3,032	171	142	1,309	1,425
Petroleum Coke (1000 tons)	3,452	2,791	23.7%	1,972	1,254	502	484	5	6	973	1,048
Natural Gas (1000 Mcf)	5,336,292	6,197,419	-13.9%	2,123,610	2,465,981	2,494,541	3,022,052	52,670	55,574	665,470	653,812

Sales, Revenue, and Average Retail Price for January through July									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	Percentage Change
Residential	807,007	799,730	0.9%	97,059	94,377	2.8%	12.03	11.80	1.9%
Commercial	766,535	763,440	0.4%	78,482	76,871	2.1%	10.24	10.07	1.7%
Industrial	555,472	572,473	-3.0%	37,555	38,024	-1.2%	6.76	6.64	1.8%
Transportation	4,454	4,393	1.4%	465	437	6.4%	10.44	9.95	4.9%
All Sectors	2,133,468	2,140,036	-0.3%	213,561	209,709	1.8%	10.01	9.80	2.1%

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	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal (1000 tons)	70,939	73,473	44.30	46.54	341	558	458,484	481,653	45.56	46.85
Petroleum Liquids (1000 barrels)	1,765	2,519	123.78	122.21	196	1,287	11,216	15,150	126.02	131.19
Petroleum Coke (1000 tons)	418	307	64.99	84.15	12	28	2,574	2,653	69.69	76.42
Natural Gas (1000 Mcf)	916,789	1,225,606	4.31	3.49	755	1,905	4,795,525	6,354,276	4.52	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	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal (1000 tons)	52,255	53,081	45.50	47.75	236	300	337,042	345,069	46.68	47.83
Petroleum Liquids (1000 barrels)	1,182	1,756	125.77	125.20	129	859	7,430	10,328	127.78	134.26
Petroleum Coke (1000 tons)	314	127	64.47	76.56	7	6	1,878	1,203	62.39	62.76
Natural Gas (1000 Mcf)	393,380	507,149	4.50	3.70	385	843	2,060,005	2,498,177	4.66	3.55

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal (1000 tons)	17,938	18,544	39.83	41.44	82	123	116,392	124,176	41.24	42.41
Petroleum Liquids (1000 barrels)	557	466	120.25	120.35	60	217	3,535	2,764	123.21	131.71
Petroleum Coke (1000 tons)	54	88	W	98.73	2	6	375	631	W	97.27
Natural Gas (1000 Mcf)	461,562	593,781	4.18	3.38	332	603	2,315,789	3,028,334	4.50	3.04

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal (1000 tons)	9	117	W	58.75	2	21	106	869	W	58.88
Petroleum Liquids (1000 barrels)	0	NM	--	NM	0	90	0	228	--	128.12
Petroleum Coke (1000 tons)	0	1	--	W	0	1	0	5	--	W
Natural Gas (1000 Mcf)	440	NM	W	3.78	2	130	2,772	NM	W	3.78

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal (1000 tons)	738	1,731	W	63.27	21	114	4,944	11,539	W	64.21
Petroleum Liquids (1000 barrels)	27	NM	108.96	106.67	7	121	251	1,830	112.17	113.50
Petroleum Coke (1000 tons)	50	91	W	W	3	15	320	814	W	W
Natural Gas (1000 Mcf)	61,407	115,922	W	3.10	36	329	416,959	769,512	W	2.84

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	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal	1,356,838	1,416,145	2.32	2.41	341	558	8,886,052	9,342,291	2.35	2.42
Petroleum Liquids	10,653	15,113	20.51	20.37	196	1,287	68,025	90,466	20.77	21.97
Petroleum Coke	11,964	8,808	2.27	2.93	12	28	73,328	76,121	2.45	2.66
Natural Gas	942,363	1,254,234	4.19	3.41	755	1,905	4,919,236	6,496,968	4.41	3.15
Fossil Fuels	2,321,818	2,694,260	3.12	2.98	974	2,958	13,946,629	16,005,587	3.13	2.83

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal	1,014,184	1,039,588	2.34	2.44	236	300	6,600,055	6,771,491	2.38	2.44
Petroleum Liquids	7,139	10,626	20.82	20.68	129	859	45,201	61,934	21.00	22.39
Petroleum Coke	9,006	3,695	2.25	2.64	7	6	53,763	34,793	2.18	2.17
Natural Gas	403,783	518,204	4.38	3.62	385	843	2,107,112	2,548,557	4.55	3.48
Fossil Fuels	1,434,111	1,572,097	3.00	2.95	532	1,546	8,806,120	9,416,643	2.99	2.85

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal	325,945	337,466	2.19	2.28	82	123	2,171,908	2,306,979	2.21	2.28
Petroleum Liquids	3,347	2,719	20.01	20.63	60	217	21,274	16,219	20.45	22.44
Petroleum Coke	1,543	2,507	W	3.46	2	6	10,560	18,102	W	3.39
Natural Gas	474,871	607,765	4.07	3.31	332	603	2,379,801	3,099,853	4.38	2.97
Fossil Fuels	805,706	950,431	W	2.99	396	814	4,583,543	5,441,027	W	2.74

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal	209	2,450	W	2.81	2	21	2,460	18,143	W	2.82
Petroleum Liquids	0	NM	--	NM	0	90	0	1,355	--	21.59
Petroleum Coke	0	27	--	W	0	1	0	156	--	W
Natural Gas	445	NM	W	3.69	2	130	2,794	NM	W	3.70
Fossil Fuels	653	NM	W	W	2	181	5,255	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	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
Coal	16,500	36,642	W	2.99	21	114	111,629	245,678	W	3.02
Petroleum Liquids	167	NM	17.47	17.93	7	121	1,550	10,958	18.15	18.96
Petroleum Coke	1,415	2,580	W	W	3	15	9,004	23,070	W	W
Natural Gas	63,264	119,298	W	3.01	36	329	429,528	789,018	W	2.77
Fossil Fuels	81,347	160,156	W	W	44	417	551,712	1,068,724	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	Electric Utility	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	Electric Utility	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	IPP	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	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE2	27.3	SUN	PV
2013	4	58373	CU Solar LLC	IPP	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	IPP	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	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	1299	1.7	DFO	IC
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGRI	1.9	SUN	PV

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	CTG1	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	NG	GT
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	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	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	NG	GT
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
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	SUN	PV
2013	6	1994	Boulder City of	IPP	Boulder Canyon Hydro	CO	466	1A	5.0	WAT	HY
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9560	0.4	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9580	0.4	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9587	0.4	NG	FC
2013	6	57365	Consolidated Edison Solutions Inc	IPP	Wilson Solar	MA	58174	WSMA	2.0	SUN	PV
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT1	570.6	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT2	.	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	ST	.	SGC	CA
2013	6	5914	Erie Boulevard Hydropower LP	IPP	Stewarts Bridge	NY	2614	2	2.5	WAT	HY
2013	6	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ2	124.8	SUN	PV
2013	6	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	LFG	IC
2013	6	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGC	1.5	WND	WT
2013	6	58211	Highlander Solar 1, LLC	IPP	SEPV 8	CA	58234	SPV8	11.8	SUN	PV
2013	6	58198	Highlander Solar 2, LLC	IPP	SEPV9 Power Plant	CA	58227	SPV9	8.5	SUN	PV
2013	6	58320	Lenoir Farm 2 LLC	IPP	Lenoir Farm 2	NC	58334	1	5.0	SUN	PV
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	11	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	12	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	13	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	14	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	15	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	16	96.3	NG	GT
2013	6	58363	Oakley Solar Project LLC	IPP	Oakley Solar Project	CA	58376	1	1.5	SUN	PV
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA5	1.5	LFG	IC
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA6	1.5	LFG	IC
2013	6	14328	Pacific Gas & Electric Co	Electric Utility	Gates Solar Station	CA	57892	1	20.0	SUN	PV
2013	6	58365	Petra Nova Parish Holdings LLC	IPP	W.A. Parish Carbon Capture Plant	TX	58378	GT2	74.0	NG	GT
2013	6	58111	RE Kansas South LLC	IPP	RE Kansas South LLC	CA	58148	KS	20.0	SUN	PV
2013	7	58335	Bolton Farm LLC	IPP	Bolton Farm	NC	58349	1	5.0	SUN	PV
2013	7	306	Brookfield Renewable Power	Electric Utility	Cheoah	NC	54899	3A	27.5	WAT	HY
2013	7	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE1	33.4	SUN	PV
2013	7	20364	City of West Bend	Electric Utility	West Bend	IA	1199	5	2.5	DFO	IC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9581	0.4	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9583	0.4	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9585	0.4	NG	FC
2013	7	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	SUN	PV
2013	7	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS1	46.6	SUN	PV
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	NG	CA
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG1	44.7	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG2	44.7	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	ST	13.3	NG	ST
2013	7	58319	Lenoir Farm LLC	IPP	Lenoir Farm	NC	58333	1	5.0	SUN	PV
2013	7	11208	Los Angeles Department of Water & Power	Electric Utility	CBS Television City	CA	58253	GEN1	1.6	SUN	PV
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	7	195.0	NG	CT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	8	60.0	NG	CA
2013	7	13683	North Carolina El Member Corp	Electric Utility	Hamlet Generating Facility	NC	56292	ES6	56.5	NG	GT
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG10	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG7	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG8	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG9	0.6	DFO	IC
2013	7	15500	Puget Sound Energy Inc	Electric Utility	Lower Baker	WA	3855	4	30.4	WAT	HY
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 4	CA	58354	1	1.5	SUN	PV
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 5	CA	58355	1	1.5	SUN	PV
2013	7	58366	Toro Energy of California SLO	IPP	Cold Canyon 1	CA	58379	W3998	1.5	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN1	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN2	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN3	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN4	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN5	0.8	LFG	IC
2013	7	57081	Washington Gas Energy Services, Inc.	IPP	Orange PV	MA	58411	SO023	2.0	SUN	PV
2013	7	58328	Wilson Farm 1 LLC	IPP	Wilson Farm 1	NC	58342	1	5.0	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 3 Solar Project	CA	58204	INV3	1.0	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 4 Solar Project	CA	58217	INV4	1.0	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar	CA	58374	CSCA	20.0	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Northbridge Solar	MA	58385	NSMA	1.9	SUN	PV
2013	8	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED3	3.7	NG	FC

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	8	58368	Doyon Utilities, LLC	Electric Utility	JBER Landfill Gas Power Plant	AK	58380	5	1.4	LFG	IC
2013	8	56440	G2 Energy LLC	IPP	G2 Energy Ostrom Road LLC	CA	57133	361	1.5	LFG	IC
2013	8	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Mustang Station Unit 4	TX	56326	GEN3	145.0	NG	GT
2013	8	2860	Los Esteros Critical Energy Facility LLC	IPP	Los Esteros Critical Energy Center	CA	55748	CAG5	126.1	NG	CA
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	5	195.0	NG	CT
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	6	60.0	NG	CA
2013	8	14328	Pacific Gas & Electric Co	Electric Utility	Guernsey Solar Station	CA	57891	1	20.0	SUN	PV
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG1	185.0	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG2	185.0	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	STG1	245.0	NG	CA

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	9,033.4
Total Capacity of Retired Units Shown	8,536.7
U.S. Capacity	1,065,234.7

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	3	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	1	11.0	GEO	BT
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	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	3516	1.3	DFO	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	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	DFO	IC
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	DFO	IC
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	6	335.0	NG	ST
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	7	337.0	NG	ST
2013	6	5998	City of Estherville - (IA)	Electric Utility	Estherville	IA	1137	6	1.7	DFO	IC
2013	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	4	63.0	BIT	ST
2013	6	55997	Domtar Paper Company Rothschild	Industrial	Domtar Paper Company Rothschild	WI	50190	TG2	4.7	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	5	292.0	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	6	238.0	NG	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	1	162.0	RFO	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	10	11.9	DFO	GT
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	2	168.0	RFO	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	2	1,070.0	NUC	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	3	1,080.0	NUC	ST
2013	6	54842	WM Renewable Energy LLC	IPP	Ridgeview	WI	55925	GEN9	0.8	LFG	IC
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	1	110.0	NG	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	2	100.0	NG	ST
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ01	0.7	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ02	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ03	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ04	0.3	WAT	HY

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	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ05	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ06	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ07	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ08	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ09	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ10	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ11	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ12	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ13	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ15	0.5	WAT	HY
2013	7	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	GEN2	13.0	NG	GT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	3	335.0	NG	ST
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG1A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG2A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG3A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG4A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG5	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG6	0.3	DFO	IC
2013	7	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	WAT	HY
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	3	111.0	BIT	ST
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	5	111.0	BIT	ST

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	9,033.4
Total Capacity of Retired Units Shown	8,536.7
U.S. Capacity	1,065,234.7

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-July 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
May	119,943	1,034	1,322	83,491	973	62,848	28,553	23,261	-326	1,018	322,118
June	138,872	1,011	1,271	98,912	917	66,430	27,331	20,887	-298	1,069	356,400
July	153,330	1,440	1,317	119,608	1,042	70,531	27,180	18,507	-306	1,104	393,753
Year to Date											
2011	1,040,190	10,299	8,835	561,712	6,586	452,369	208,014	114,555	-3,181	8,176	2,407,554
2012	853,884	7,952	5,615	734,724	6,857	450,179	177,538	130,171	-2,471	7,153	2,371,601
2013	917,854	8,141	7,651	632,851	6,423	452,412	174,018	149,964	-2,269	7,104	2,354,148
Rolling 12 Months Ending in July											
2012	1,547,125	13,740	10,876	1,186,701	11,838	788,014	288,879	209,597	-5,196	13,130	4,064,703
2013	1,581,172	13,398	11,726	1,128,835	10,778	771,565	273,016	238,581	-4,456	12,418	4,037,032

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-July 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
May	16,370	764	3,013	1,396	1,718	23,261
June	13,771	880	3,134	1,427	1,673	20,887
July	11,143	794	3,404	1,444	1,723	18,507
Year to Date						
2011	72,214	1,016	21,492	8,940	10,894	114,555
2012	84,919	2,412	21,448	9,725	11,666	130,171
2013	102,640	4,470	21,670	9,830	11,354	149,964
Rolling 12-Month Ending in July						
2012	132,881	3,214	37,406	16,101	19,994	209,597
2013	157,809	6,400	37,762	16,896	19,713	238,581

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.
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.
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Table 1.2. Net Generation by Energy Source: Electric Utilities, 2003-July 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
May	90,188	755	1,035	35,194	NM	32,977	25,894	2,766	-252	39	188,600
June	104,846	735	966	42,855	4	34,504	24,707	2,404	-201	35	210,854
July	114,496	956	976	50,425	7	36,724	24,557	2,183	-204	40	230,162
Year to Date											
2011	783,276	7,406	5,891	229,899	18	236,607	190,717	12,843	-2,954	359	1,464,063
2012	648,343	6,035	3,370	302,015	NM	231,307	162,573	16,711	-2,056	230	1,368,534
2013	687,349	5,604	5,554	266,253	32	232,514	156,823	18,642	-1,811	249	1,371,209
Rolling 12 Months Ending in July											
2012	1,166,175	10,317	6,907	486,959	NM	409,998	263,269	25,801	-4,400	474	2,365,516
2013	1,186,867	9,558	7,864	472,039	NM	396,030	247,554	29,761	-3,666	416	2,346,461

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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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.
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Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-July 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
May	28,603	231	110	40,696	242	29,871	2,334	17,994	-74	608	120,615
June	32,826	240	143	48,317	258	31,926	2,323	15,883	-97	625	132,443
July	37,544	437	170	60,948	288	33,807	2,305	13,594	-103	621	149,612
Year to Date											
2011	247,718	2,433	2,199	282,135	1,690	215,762	16,149	84,506	-227	4,062	856,427
2012	197,169	1,555	1,068	379,326	1,630	218,872	13,840	95,886	-415	4,217	913,147
2013	222,392	2,206	1,018	312,266	1,569	219,898	14,973	113,464	-459	4,046	891,374
Rolling 12 Months Ending in July											
2012	366,235	2,777	2,300	608,638	2,850	378,017	23,809	153,333	-795	7,215	1,544,377
2013	380,093	3,280	1,773	563,211	2,647	375,535	22,473	177,886	-790	7,034	1,533,143

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-July 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
May	67	6	0	449	0	0	NM	242	0	87	857
June	78	6	0	467	0	0	NM	254	0	92	903
July	79	11	0	537	NM	0	NM	256	0	100	990
Year to Date											
2011	666	55	2	3,056	2	0	16	1,424	0	531	5,752
2012	512	48	2	3,497	NM	0	NM	1,561	0	578	6,224
2013	519	58	2	3,324	NM	0	NM	1,666	0	626	6,230
Rolling 12 Months Ending in July											
2012	895	NM	3	5,928	NM	0	NM	2,613	0	996	10,552
2013	844	NM	5	5,698	NM	0	NM	2,851	0	1,084	10,627

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-July 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
May	1,085	42	177	7,152	728	0	319	2,260	0	283	12,047
June	1,122	30	163	7,272	656	0	295	2,345	0	316	12,199
July	1,211	36	170	7,698	746	0	311	2,475	0	342	12,989
Year to Date											
2011	8,530	405	742	46,623	4,875	0	1,131	15,782	0	3,224	81,313
2012	7,860	314	1,175	49,887	5,219	0	1,099	16,013	0	2,128	83,696
2013	7,593	273	1,076	51,008	4,821	0	2,189	16,192	0	2,183	85,335
Rolling 12 Months Ending in July											
2012	13,820	566	1,667	85,176	8,967	0	1,767	27,850	0	4,446	144,258
2013	13,368	465	2,083	87,887	8,092	0	2,940	28,083	0	3,883	146,801

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 1.6.A. Net Generation
by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	12,545	12,352	1.6%	464	423	11,482	11,324	94	89	506	517
Connecticut	3,488	3,516	-0.8%	NM	NM	3,430	3,454	NM	19	31	36
Maine	1,267	1,416	-10.5%	NM	NM	865	952	18	18	383	445
Massachusetts	4,388	4,121	6.5%	110	86	4,145	3,961	47	42	86	32
New Hampshire	1,961	1,903	3.0%	264	284	1,690	1,613	NM	NM	NM	NM
Rhode Island	805	861	-6.5%	NM	NM	798	853	NM	NM	0	0
Vermont	637	536	18.9%	81	NM	553	489	NM	NM	NM	NM
Middle Atlantic	43,188	44,097	-2.1%	3,643	3,494	38,972	40,049	178	159	395	395
New Jersey	6,848	7,140	-4.1%	-17	-17	6,747	7,047	51	51	67	60
New York	14,329	14,436	-0.7%	3,554	3,483	10,591	10,792	97	77	88	84
Pennsylvania	22,010	22,521	-2.3%	106	NM	21,634	22,210	30	32	240	251
East North Central	57,687	63,670	-9.4%	31,650	33,218	24,953	29,350	167	200	917	902
Illinois	18,075	19,155	-5.6%	1,145	1,548	16,620	17,304	39	37	270	266
Indiana	10,669	11,670	-8.6%	9,432	10,492	914	875	25	27	296	275
Michigan	9,906	11,395	-13.1%	7,844	8,133	1,894	3,073	69	96	100	92
Ohio	12,435	13,989	-11.1%	8,281	8,065	4,055	5,820	NM	22	78	82
Wisconsin	6,602	7,460	-11.5%	4,947	4,979	1,469	2,277	NM	NM	173	186
West North Central	30,975	34,227	-9.5%	27,818	31,209	2,721	2,573	61	63	375	382
Iowa	5,195	5,700	-8.9%	4,113	4,729	876	754	24	22	182	194
Kansas	4,882	4,888	-0.1%	4,281	4,602	596	282	0	0	NM	NM
Minnesota	4,427	5,615	-21.2%	3,637	4,765	641	696	16	NM	133	135
Missouri	8,922	9,945	-10.3%	8,711	9,494	185	426	20	20	NM	6
Nebraska	3,480	3,596	-3.2%	3,357	3,497	86	68	NM	NM	35	30
North Dakota	3,131	3,231	-3.1%	2,903	3,009	213	209	NM	NM	15	13
South Dakota	939	1,252	-25.0%	816	1,114	123	138	NM	NM	0	0
South Atlantic	73,992	79,504	-6.9%	60,079	63,547	12,173	14,232	86	74	1,654	1,651
Delaware	977	1,086	-10.0%	NM	NM	855	967	NM	NM	116	112
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	21,014	22,182	-5.3%	19,211	19,689	1,338	2,007	NM	NM	458	477
Georgia	11,821	13,489	-12.4%	10,511	10,753	901	2,300	NM	NM	406	433
Maryland	3,923	4,436	-11.6%	NM	NM	3,866	4,348	NM	21	34	65
North Carolina	12,394	13,005	-4.7%	10,935	12,218	1,226	630	NM	5	227	152
South Carolina	9,088	9,831	-7.6%	8,676	9,455	268	221	NM	NM	143	155
Virginia	8,149	8,466	-3.7%	6,770	6,854	1,173	1,390	42	37	163	186
West Virginia	6,619	7,001	-5.5%	3,967	4,562	2,545	2,370	0	0	106	70
East South Central	34,191	39,623	-13.7%	29,429	32,654	3,815	6,154	NM	16	932	799
Alabama	13,705	15,791	-13.2%	10,428	10,909	2,913	4,497	0	0	363	385
Kentucky	7,851	8,981	-12.6%	7,770	8,805	44	128	0	0	37	48
Mississippi	5,418	6,334	-14.5%	4,331	4,655	850	1,526	NM	NM	235	151
Tennessee	7,218	8,516	-15.2%	6,900	8,285	NM	4	NM	14	297	214
West South Central	66,300	70,429	-5.9%	25,501	27,173	34,348	36,720	59	63	6,391	6,474
Arkansas	5,671	6,501	-12.8%	4,157	4,113	1,350	2,230	NM	NM	163	157
Louisiana	9,747	10,590	-8.0%	5,288	5,615	1,970	2,557	NM	NM	2,485	2,414
Oklahoma	7,537	9,226	-18.3%	5,509	6,886	1,950	2,255	NM	NM	75	81
Texas	43,345	44,112	-1.7%	10,546	10,558	29,079	29,679	51	54	3,668	3,821
Mountain	37,007	35,915	3.0%	28,919	28,416	7,797	7,142	24	27	266	330
Arizona	11,919	11,099	7.4%	9,228	8,695	2,686	2,369	NM	7	0	28
Colorado	5,127	5,407	-5.2%	3,938	4,311	1,179	1,087	NM	4	NM	6
Idaho	1,736	1,737	0.0%	1,293	1,413	402	281	0	0	41	42
Montana	2,327	2,457	-5.3%	804	1,074	1,523	1,382	0	0	NM	NM
Nevada	4,046	3,839	5.4%	2,839	2,685	1,180	1,118	NM	10	19	27
New Mexico	3,323	3,582	-7.2%	2,836	3,019	475	548	NM	7	NM	8
Utah	3,905	3,759	3.9%	3,616	3,453	188	178	NM	NM	101	127
Wyoming	4,623	4,037	14.5%	4,366	3,767	163	177	0	0	94	92
Pacific Contiguous	36,521	35,294	3.5%	21,756	23,086	12,988	10,437	259	252	1,518	1,519
California	20,425	18,710	9.2%	8,518	8,021	10,303	9,066	252	244	1,352	1,380
Oregon	4,819	5,212	-7.5%	3,371	4,184	1,399	989	NM	NM	43	34
Washington	11,277	11,371	-0.8%	9,867	10,881	1,286	382	NM	NM	123	106
Pacific Noncontiguous	1,349	1,405	-4.0%	903	993	364	339	46	36	35	36
Alaska	487	557	-12.5%	446	522	21	17	10	10	NM	NM
Hawaii	861	848	1.6%	457	472	343	323	36	26	26	28
U.S. Total	393,753	416,515	-5.5%	230,162	244,213	149,612	158,319	990	980	12,989	13,003

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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 1.6.B. Net Generation
by State, by Sector, Year-to-Date through July 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	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	68,058	70,718	-3.8%	2,702	2,047	61,625	64,890	573	576	3,158	3,206
Connecticut	20,672	20,702	-0.1%	50	NM	20,352	20,352	115	124	156	171
Maine	8,240	8,710	-5.4%	NM	NM	5,632	5,733	118	116	2,490	2,860
Massachusetts	19,922	20,446	-2.6%	438	349	18,711	19,664	294	290	479	143
New Hampshire	11,601	12,067	-3.9%	1,659	1,258	9,911	10,781	NM	9	NM	NM
Rhode Island	3,662	4,933	-25.8%	6	6	3,625	4,893	NM	34	0	0
Vermont	3,962	3,860	2.6%	549	378	3,395	3,466	NM	NM	NM	NM
Middle Atlantic	255,058	250,952	1.6%	20,456	21,992	231,033	225,339	1,094	1,001	2,474	2,620
New Jersey	37,561	38,907	-3.5%	-83	-46	36,953	38,226	304	329	387	397
New York	80,423	80,219	0.3%	19,730	21,317	59,524	57,851	612	486	557	566
Pennsylvania	137,074	131,826	4.0%	809	721	134,557	129,262	178	186	1,530	1,658
East North Central	358,571	363,826	-1.4%	187,449	179,543	164,397	177,140	1,051	1,175	5,674	5,968
Illinois	117,238	115,888	1.2%	7,010	7,795	108,411	106,197	256	272	1,561	1,624
Indiana	63,679	67,472	-5.6%	55,373	58,489	6,420	6,958	137	134	1,749	1,891
Michigan	59,873	65,547	-8.7%	47,216	47,131	11,510	17,197	479	549	668	670
Ohio	78,888	77,081	2.3%	50,660	42,670	27,602	33,742	111	116	515	554
Wisconsin	38,893	37,838	2.8%	27,190	23,459	10,454	13,046	69	104	1,181	1,229
West North Central	191,951	190,695	0.7%	166,272	167,175	22,871	20,772	352	370	2,456	2,379
Iowa	33,579	33,404	0.5%	24,961	25,039	7,280	7,080	138	121	1,200	1,164
Kansas	27,790	24,298	14.4%	22,802	22,109	4,968	2,174	0	0	20	NM
Minnesota	29,162	30,594	-4.7%	23,360	24,521	4,806	5,052	110	134	887	887
Missouri	54,100	53,934	0.3%	52,441	51,822	1,530	1,982	95	105	35	26
Nebraska	21,070	20,234	4.1%	19,987	19,412	859	622	NM	NM	215	189
North Dakota	20,591	21,360	-3.6%	18,281	18,764	2,211	2,497	NM	NM	99	98
South Dakota	5,659	6,872	-17.7%	4,441	5,508	1,217	1,364	NM	NM	0	0
South Atlantic	435,576	436,227	-0.1%	356,341	352,726	67,790	72,478	562	476	10,884	10,547
Delaware	4,594	5,315	-13.6%	NM	NM	3,992	4,841	NM	NM	584	452
District of Columbia	39	NM	NM	0	NM	0	9	39	0	0	0
Florida	125,091	128,971	-3.0%	113,854	115,128	8,102	10,719	47	48	3,087	3,077
Georgia	68,876	72,468	-5.0%	60,503	59,097	5,593	10,552	19	17	2,761	2,802
Maryland	20,408	21,144	-3.5%	NM	6	20,069	20,582	131	146	199	410
North Carolina	71,512	69,012	3.6%	62,748	64,287	7,210	3,732	56	24	1,499	969
South Carolina	57,424	56,803	1.1%	55,680	54,532	729	1,149	NM	NM	1,012	1,120
Virginia	44,784	42,163	6.2%	37,347	33,385	6,104	7,480	263	236	1,069	1,062
West Virginia	42,848	40,294	6.3%	26,184	26,223	15,991	13,415	0	0	673	655
East South Central	218,694	218,783	0.0%	189,291	180,636	22,936	32,756	92	94	6,375	5,297
Alabama	86,702	88,969	-2.5%	65,800	61,000	18,445	25,358	0	0	2,457	2,611
Kentucky	52,563	52,428	0.3%	52,127	51,886	179	266	0	0	256	276
Mississippi	31,085	32,404	-4.1%	25,142	24,254	4,259	7,091	NM	NM	1,671	1,045
Tennessee	48,344	44,982	7.5%	46,222	43,495	52	41	79	80	1,991	1,366
West South Central	381,260	399,931	-4.7%	136,640	148,563	201,892	209,583	361	370	42,368	41,414
Arkansas	34,981	40,161	-12.9%	24,616	27,177	9,211	11,862	NM	NM	1,151	1,119
Louisiana	56,486	60,953	-7.3%	27,969	31,258	12,650	13,968	NM	NM	15,841	15,698
Oklahoma	42,293	48,224	-12.3%	30,660	34,958	11,174	12,791	NM	NM	436	453
Texas	247,501	250,592	-1.2%	53,396	55,170	168,856	170,962	308	316	24,940	24,144
Mountain	218,708	210,457	3.9%	172,004	166,542	44,765	41,914	157	165	1,783	1,837
Arizona	62,972	64,200	-1.9%	53,807	53,994	9,109	10,022	39	44	NM	139
Colorado	31,486	31,267	0.7%	24,124	24,433	7,309	6,780	17	16	36	38
Idaho	10,147	10,302	-1.5%	6,992	7,589	2,855	2,414	0	0	300	299
Montana	17,528	15,308	14.5%	4,739	5,379	12,783	9,925	0	0	NM	NM
Nevada	21,412	19,140	11.9%	14,871	12,978	6,334	5,951	55	57	153	154
New Mexico	21,147	20,871	1.3%	17,539	17,046	3,520	3,737	45	47	43	43
Utah	24,052	21,955	9.5%	22,483	20,337	1,048	1,167	NM	NM	520	450
Wyoming	29,965	27,415	9.3%	27,450	24,787	1,806	1,919	0	0	708	710
Pacific Contiguous	217,032	220,021	-1.4%	133,547	142,107	71,847	66,094	1,704	1,687	9,934	10,134
California	113,117	112,488	0.6%	45,591	46,295	57,048	55,429	1,660	1,634	8,818	9,130
Oregon	35,927	36,614	-1.9%	26,683	29,191	8,891	7,141	40	42	313	240
Washington	67,988	70,919	-4.1%	61,272	66,620	5,908	3,524	NM	NM	803	764
Pacific Noncontiguous	9,239	9,990	-7.5%	6,506	7,204	2,219	2,182	284	311	230	293
Alaska	3,657	4,163	-12.2%	3,355	3,836	154	116	87	143	62	68
Hawaii	5,581	5,827	-4.2%	3,151	3,368	2,065	2,066	197	168	168	225
U.S. Total	2,354,148	2,371,601	-0.7%	1,371,209	1,368,534	891,374	913,147	6,230	6,224	85,335	83,696

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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 1.7.A. Net Generation from Coal
by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	857	588	45.6%	172	205	680	378	0	0	5	5
Connecticut	96	19	397.5%	0	0	96	19	0	0	0	0
Maine	2	3	-19.8%	0	0	1	1	0	0	1	2
Massachusetts	587	361	62.6%	0	0	583	358	0	0	NM	NM
New Hampshire	172	205	-16.5%	172	205	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	10,041	11,225	-10.5%	NM	NM	9,959	11,096	NM	NM	80	121
New Jersey	263	527	-50.1%	0	0	263	527	0	0	0	0
New York	613	850	-27.9%	NM	NM	582	813	0	0	29	30
Pennsylvania	9,165	9,848	-6.9%	0	0	9,114	9,756	NM	NM	50	91
East North Central	35,208	36,490	-3.5%	26,485	26,441	8,416	9,728	30	35	277	286
Illinois	7,812	8,103	-3.6%	1,004	1,095	6,642	6,838	NM	NM	165	169
Indiana	9,091	9,410	-3.4%	8,583	8,984	488	404	16	17	NM	4
Michigan	5,371	5,538	-3.0%	5,310	5,481	32	28	10	15	19	14
Ohio	8,631	9,734	-11.3%	7,358	7,251	1,254	2,458	NM	NM	19	25
Wisconsin	4,302	3,706	16.1%	4,231	3,631	0	0	NM	NM	69	73
West North Central	21,671	22,131	-2.1%	21,334	21,802	0	0	33	25	304	304
Iowa	3,509	3,799	-7.6%	3,309	3,590	0	0	20	17	180	192
Kansas	3,038	3,002	1.2%	3,038	3,002	0	0	0	0	0	0
Minnesota	2,193	2,293	-4.4%	2,116	2,219	0	0	NM	NM	76	73
Missouri	7,467	7,626	-2.1%	7,449	7,614	0	0	12	7	NM	5
Nebraska	2,581	2,407	7.2%	2,548	2,381	0	0	0	0	33	27
North Dakota	2,627	2,718	-3.3%	2,618	2,709	0	0	0	0	NM	8
South Dakota	256	288	-11.2%	256	288	0	0	0	0	0	0
South Atlantic	27,175	31,251	-13.0%	21,993	25,657	4,964	5,362	NM	6	216	226
Delaware	220	220	0.0%	0	0	220	220	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,701	4,730	-0.6%	4,498	4,463	181	244	0	0	22	23
Georgia	4,475	5,090	-12.1%	4,435	5,048	0	0	0	0	40	42
Maryland	1,865	2,301	-18.9%	0	0	1,852	2,285	0	0	13	16
North Carolina	4,974	6,364	-21.8%	4,770	6,146	181	192	0	3	23	23
South Carolina	2,178	3,364	-35.2%	2,159	3,345	0	0	0	0	19	18
Virginia	2,442	2,397	1.9%	2,243	2,131	145	205	NM	NM	53	59
West Virginia	6,319	6,785	-6.9%	3,888	4,524	2,385	2,218	0	0	46	44
East South Central	15,395	19,230	-19.9%	14,950	18,777	313	312	NM	NM	129	138
Alabama	4,268	5,575	-23.4%	4,248	5,550	0	7	0	0	20	18
Kentucky	7,085	8,169	-13.3%	7,085	8,169	0	0	0	0	0	0
Mississippi	1,059	1,070	-1.1%	745	765	313	305	0	0	0	0
Tennessee	2,984	4,416	-32.4%	2,872	4,294	0	0	NM	NM	110	120
West South Central	23,589	22,235	6.1%	12,639	12,107	10,906	10,073	0	0	44	55
Arkansas	3,207	2,461	30.3%	2,749	2,039	454	414	0	0	4	8
Louisiana	1,957	2,331	-16.0%	1,136	1,152	821	1,179	0	0	0	0
Oklahoma	3,030	3,143	-3.6%	2,821	2,919	168	178	0	0	40	46
Texas	15,395	14,300	7.7%	5,932	5,998	9,463	8,302	0	0	0	NM
Mountain	18,329	17,353	5.6%	16,897	16,080	1,314	1,104	0	0	118	169
Arizona	3,911	3,484	12.2%	3,911	3,457	0	0	0	0	0	28
Colorado	3,136	3,447	-9.0%	3,123	3,433	NM	NM	0	0	0	0
Idaho	NM	7	NM	0	0	0	0	0	0	NM	7
Montana	1,083	907	19.4%	NM	NM	1,054	880	0	0	NM	NM
Nevada	636	525	21.1%	496	418	140	107	0	0	0	0
New Mexico	2,205	2,406	-8.3%	2,205	2,406	0	0	0	0	0	0
Utah	3,108	2,934	6.0%	2,999	2,799	NM	NM	0	0	70	97
Wyoming	4,242	3,643	16.4%	4,135	3,541	NM	NM	0	0	40	36
Pacific Contiguous	888	256	247.3%	6	104	847	116	0	0	35	36
California	159	150	6.0%	0	0	127	116	0	0	32	34
Oregon	6	104	-94.0%	6	104	0	0	0	0	0	0
Washington	723	2	NM	0	0	720	0	0	0	3	2
Pacific Noncontiguous	178	179	-0.7%	19	17	146	148	10	10	NM	NM
Alaska	46	43	8.5%	19	17	18	17	10	10	0	0
Hawaii	131	136	-3.6%	0	0	127	131	0	0	NM	NM
U.S. Total	153,330	160,938	-4.7%	114,496	121,198	37,544	38,318	79	78	1,211	1,344

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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 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through July 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	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	4,276	1,955	118.7%	1,132	792	3,106	1,137	0	0	38	26
Connecticut	421	58	622.2%	0	0	421	58	0	0	0	0
Maine	40	22	83.5%	0	0	22	14	0	0	18	7
Massachusetts	2,683	1,083	147.8%	0	0	2,663	1,064	0	0	20	19
New Hampshire	1,132	792	42.9%	1,132	792	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	61,440	54,277	13.2%	NM	NM	60,833	53,522	NM	NM	591	745
New Jersey	1,308	1,171	11.7%	0	0	1,308	1,171	0	0	0	0
New York	3,484	2,308	51.0%	NM	NM	3,292	2,110	0	0	180	188
Pennsylvania	56,648	50,798	11.5%	0	0	56,233	50,240	NM	NM	411	556
East North Central	214,694	198,078	8.4%	157,515	141,012	55,203	55,062	209	203	1,767	1,801
Illinois	49,676	46,017	8.0%	6,522	6,452	42,153	38,515	34	23	967	1,027
Indiana	53,592	53,010	1.1%	50,459	49,468	3,022	3,437	82	77	28	27
Michigan	32,272	29,805	8.3%	31,854	29,425	207	193	77	92	134	94
Ohio	55,747	51,713	7.8%	45,779	38,642	9,822	12,916	NM	NM	143	153
Wisconsin	23,408	17,534	33.5%	22,901	17,025	0	0	13	9	494	500
West North Central	127,967	121,421	5.4%	125,855	119,434	0	0	179	131	1,932	1,856
Iowa	19,824	19,965	-0.7%	18,529	18,728	0	0	111	90	1,184	1,148
Kansas	17,305	15,469	11.9%	17,305	15,469	0	0	0	0	0	0
Minnesota	13,101	12,296	6.6%	12,628	11,822	0	0	8	NM	466	469
Missouri	44,884	41,865	7.2%	44,790	41,806	0	0	61	37	33	22
Nebraska	15,028	13,857	8.5%	14,832	13,691	0	0	0	0	196	166
North Dakota	16,104	16,477	-2.3%	16,051	16,425	0	0	0	0	53	52
South Dakota	1,719	1,493	15.2%	1,719	1,493	0	0	0	0	0	0
South Atlantic	153,060	153,981	-0.6%	124,954	128,733	26,845	23,860	29	27	1,232	1,362
Delaware	896	733	22.2%	0	0	896	733	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	26,317	25,342	3.8%	25,398	24,211	792	996	0	0	126	134
Georgia	22,418	24,889	-9.9%	22,141	24,582	0	0	0	0	278	307
Maryland	8,956	8,318	7.7%	0	0	8,869	8,221	0	0	88	97
North Carolina	27,449	30,219	-9.2%	26,350	29,057	949	1,013	19	15	131	134
South Carolina	13,958	17,266	-19.2%	13,869	17,132	0	30	0	0	89	104
Virginia	12,470	8,934	39.6%	11,415	7,864	737	706	NM	NM	307	352
West Virginia	40,597	38,280	6.1%	25,781	25,887	14,603	12,161	0	0	213	233
East South Central	100,633	95,631	5.2%	98,151	93,203	1,556	1,537	15	12	911	880
Alabama	26,653	24,605	8.3%	26,533	24,469	0	25	0	0	121	111
Kentucky	48,313	47,650	1.4%	48,313	47,650	0	0	0	0	0	0
Mississippi	5,061	4,384	15.4%	3,505	2,872	1,556	1,513	0	0	0	0
Tennessee	20,606	18,992	8.5%	19,801	18,212	0	0	15	12	790	768
West South Central	131,957	120,581	9.4%	71,513	68,045	60,193	52,252	0	0	251	284
Arkansas	18,426	16,870	9.2%	16,050	14,134	2,317	2,680	0	0	58	56
Louisiana	12,380	11,370	8.9%	5,614	5,552	6,762	5,811	0	0	NM	NM
Oklahoma	16,669	17,030	-2.1%	15,553	15,993	928	819	0	0	188	218
Texas	84,483	75,312	12.2%	34,296	32,366	50,186	42,942	0	0	0	NM
Mountain	117,694	104,423	12.7%	106,337	96,088	10,734	7,682	0	0	623	652
Arizona	24,939	22,459	11.0%	24,926	22,327	0	0	0	0	NM	131
Colorado	19,891	19,652	1.2%	19,824	19,578	68	74	0	0	0	0
Idaho	46	44	6.3%	0	0	0	0	0	0	46	44
Montana	9,370	6,587	42.3%	173	156	9,191	6,427	0	0	NM	NM
Nevada	3,165	1,536	106.1%	2,363	989	802	546	0	0	0	0
New Mexico	14,380	13,993	2.8%	14,380	13,993	0	0	0	0	0	0
Utah	19,468	16,527	17.8%	18,905	16,079	251	226	0	0	312	222
Wyoming	26,434	23,627	11.9%	25,766	22,967	423	409	0	0	246	251
Pacific Contiguous	5,084	2,275	123.5%	1,775	900	3,078	1,142	0	0	231	232
California	767	952	-19.5%	0	0	552	740	0	0	215	213
Oregon	1,775	900	97.2%	1,775	900	0	0	0	0	0	0
Washington	2,541	422	502.0%	0	0	2,525	402	0	0	16	20
Pacific Noncontiguous	1,050	1,262	-16.8%	105	127	844	976	83	139	NM	NM
Alaska	300	381	-21.3%	105	127	112	116	83	139	0	0
Hawaii	750	881	-14.9%	0	0	732	860	0	0	NM	NM
U.S. Total	917,854	853,884	7.5%	687,349	648,343	222,392	197,169	519	512	7,593	7,860

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	109	70	55.5%	23	11	75	48	NM	9	NM	NM
Connecticut	41	28	47.7%	NM	NM	40	27	NM	0	NM	NM
Maine	24	16	46.1%	NM	NM	22	14	NM	NM	NM	NM
Massachusetts	27	16	76.0%	10	3	13	7	NM	6	NM	NM
New Hampshire	13	8	64.0%	11	6	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	313	237	32.0%	143	136	161	92	2	NM	7	7
New Jersey	19	7	171.8%	NM	NM	18	6	NM	NM	NM	NM
New York	241	177	36.0%	143	136	91	34	2	NM	6	6
Pennsylvania	53	53	0.2%	NM	NM	52	52	NM	NM	NM	NM
East North Central	55	75	-27.3%	40	63	13	10	NM	NM	1	NM
Illinois	8	6	23.7%	3	2	5	4	NM	NM	NM	NM
Indiana	10	14	-27.0%	9	13	NM	NM	NM	NM	NM	NM
Michigan	11	14	-25.3%	11	14	0	0	NM	NM	0	0
Ohio	24	29	-17.2%	16	23	8	6	NM	NM	0	0
Wisconsin	2	12	-82.9%	2	11	0	0	NM	NM	NM	NM
West North Central	23	30	-24.5%	22	29	NM	NM	NM	NM	NM	NM
Iowa	6	7	-8.4%	6	7	NM	NM	NM	NM	NM	NM
Kansas	3	NM	NM	3	NM	0	0	0	0	0	0
Minnesota	3	8	-63.2%	3	8	0	NM	NM	NM	NM	NM
Missouri	5	9	-41.0%	5	9	0	0	NM	NM	0	0
Nebraska	1	NM	NM	1	NM	0	0	0	0	0	0
North Dakota	4	NM	NM	3	NM	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	210	341	-38.3%	161	281	41	49	NM	NM	9	10
Delaware	7	5	29.5%	NM	NM	6	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	47	136	-65.8%	44	128	NM	6	0	0	NM	NM
Georgia	7	8	-12.2%	4	5	NM	NM	NM	NM	3	NM
Maryland	26	21	21.7%	NM	NM	25	20	NM	NM	0	NM
North Carolina	23	14	69.8%	22	11	NM	NM	NM	NM	NM	NM
South Carolina	20	10	106.5%	19	9	0	0	NM	NM	1	1
Virginia	59	136	-56.2%	49	116	9	17	NM	0	NM	NM
West Virginia	21	11	89.8%	21	11	0	0	0	0	0	0
East South Central	28	30	-7.4%	24	25	NM	NM	0	0	NM	NM
Alabama	7	10	-27.9%	4	6	NM	NM	0	0	NM	NM
Kentucky	11	10	14.4%	11	10	0	0	0	0	0	0
Mississippi	1	1	-36.9%	0	1	0	0	0	0	0	0
Tennessee	8	8	-3.4%	8	8	0	0	0	0	NM	NM
West South Central	14	10	40.4%	8	4	6	6	NM	NM	NM	NM
Arkansas	5	NM	NM	5	0	0	0	0	0	NM	NM
Louisiana	4	2	111.4%	NM	NM	3	1	0	0	1	0
Oklahoma	NM	NM	NM	NM	0	0	0	NM	NM	0	0
Texas	4	7	-37.5%	2	2	2	5	NM	NM	NM	NM
Mountain	14	18	-20.4%	14	15	1	3	NM	NM	NM	NM
Arizona	3	3	5.3%	3	3	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	2	NM	NM	NM	0	2	0	0	0	0
Nevada	1	3	-47.5%	1	2	0	1	0	0	0	0
New Mexico	3	3	2.8%	3	2	NM	NM	0	0	0	0
Utah	2	4	-30.6%	2	4	0	NM	0	0	0	0
Wyoming	3	3	-3.9%	3	3	0	0	0	0	NM	NM
Pacific Contiguous	8	6	29.9%	5	5	2	NM	NM	NM	1	NM
California	4	3	31.4%	3	3	NM	0	NM	NM	NM	NM
Oregon	1	2	-64.3%	1	2	0	0	NM	NM	0	0
Washington	3	NM	NM	1	NM	1	NM	NM	NM	1	NM
Pacific Noncontiguous	667	699	-4.7%	516	564	139	126	1	NM	11	9
Alaska	66	100	-33.7%	61	96	0	0	NM	NM	4	4
Hawaii	600	600	0.1%	454	468	139	126	0	0	6	6
U.S. Total	1,440	1,517	-5.1%	956	1,134	437	335	11	11	36	37

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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.B. Net Generation from Petroleum Liquids
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	643	291	121.4%	112	40	465	189	40	32	25	30
Connecticut	202	78	160.1%	3	3	197	73	NM	0	NM	NM
Maine	164	75	116.8%	NM	NM	149	46	NM	NM	12	28
Massachusetts	189	100	88.8%	53	11	103	69	24	20	10	NM
New Hampshire	60	27	127.0%	48	17	NM	NM	NM	9	NM	NM
Rhode Island	23	8	205.4%	6	6	17	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	1,008	528	90.9%	372	219	576	256	NM	7	51	46
New Jersey	85	14	519.4%	NM	NM	83	11	NM	NM	NM	NM
New York	731	365	100.4%	371	217	304	98	NM	6	47	43
Pennsylvania	193	150	28.6%	NM	NM	189	146	1	1	NM	NM
East North Central	371	371	0.1%	298	309	62	50	NM	NM	9	9
Illinois	46	39	18.3%	15	13	31	26	NM	NM	NM	NM
Indiana	83	74	11.9%	77	68	NM	NM	NM	NM	6	6
Michigan	92	93	-1.9%	89	91	0	0	NM	1	1	1
Ohio	132	140	-5.4%	101	116	30	22	NM	NM	1	2
Wisconsin	17	24	-27.0%	16	22	1	1	NM	NM	NM	NM
West North Central	169	193	-12.3%	165	186	1	5	NM	NM	NM	NM
Iowa	45	58	-22.7%	44	57	NM	NM	NM	NM	NM	NM
Kansas	34	19	81.7%	34	19	0	0	0	0	0	0
Minnesota	4	23	-81.0%	2	18	0	4	NM	NM	NM	NM
Missouri	45	50	-9.9%	45	50	0	0	NM	NM	0	0
Nebraska	15	15	-3.2%	15	15	0	0	0	0	0	0
North Dakota	20	22	-7.2%	19	21	0	0	NM	NM	NM	NM
South Dakota	5	5	-1.8%	5	5	NM	NM	NM	NM	0	0
South Atlantic	965	1,220	-20.9%	743	975	151	171	NM	NM	70	72
Delaware	24	16	47.4%	NM	NM	23	16	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	321	491	-34.7%	307	463	NM	15	0	0	10	13
Georgia	42	65	-36.1%	11	40	NM	NM	1	1	29	23
Maryland	92	82	11.9%	5	5	87	70	NM	NM	0	6
North Carolina	137	127	8.4%	124	115	6	NM	NM	NM	7	9
South Carolina	69	73	-4.9%	63	67	0	0	NM	NM	5	5
Virginia	196	275	-28.5%	148	201	30	57	0	1	18	16
West Virginia	85	83	2.4%	84	83	1	0	0	0	0	0
East South Central	211	228	-7.4%	188	207	NM	1	0	0	23	20
Alabama	57	62	-7.6%	38	44	NM	1	0	0	18	17
Kentucky	73	71	2.7%	73	71	0	0	0	0	0	0
Mississippi	9	10	-10.8%	7	8	0	0	0	0	3	2
Tennessee	72	85	-15.4%	70	84	0	0	0	0	NM	NM
West South Central	116	102	14.1%	40	39	64	54	NM	NM	12	8
Arkansas	25	18	39.8%	12	10	11	6	0	0	NM	NM
Louisiana	33	21	57.4%	7	7	15	9	0	0	11	5
Oklahoma	5	8	-31.8%	5	7	0	0	NM	NM	0	0
Texas	54	56	-3.8%	15	14	37	39	NM	NM	NM	NM
Mountain	127	135	-6.4%	116	121	10	13	NM	NM	NM	NM
Arizona	25	27	-5.1%	25	26	0	0	NM	NM	NM	NM
Colorado	7	10	-28.2%	7	10	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	8	9	-17.6%	NM	NM	7	8	0	0	0	0
Nevada	10	11	-11.1%	8	8	2	3	0	0	0	0
New Mexico	28	26	11.5%	28	24	NM	NM	0	0	0	0
Utah	24	24	1.1%	24	24	NM	NM	0	0	0	0
Wyoming	24	29	-16.9%	24	28	0	0	0	0	NM	NM
Pacific Contiguous	50	47	5.6%	25	26	9	11	NM	NM	15	10
California	28	29	-5.0%	19	19	3	9	1	NM	6	NM
Oregon	4	3	35.8%	4	3	0	0	NM	NM	0	0
Washington	18	15	20.1%	NM	4	7	2	NM	NM	9	NM
Pacific Noncontiguous	4,479	4,836	-7.4%	3,543	3,913	868	806	3	NM	66	115
Alaska	439	597	-26.5%	415	570	0	0	NM	NM	22	25
Hawaii	4,041	4,239	-4.7%	3,128	3,343	868	806	1	1	44	90
U.S. Total	8,141	7,952	2.4%	5,604	6,035	2,206	1,555	58	48	273	314

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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.A. Net Generation from Petroleum Coke
by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	NM	0	--	0	0	0	0	0	0	NM	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	311	163	90.8%	174	41	106	96	0	0	31	27
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	160	27	498.2%	160	27	0	0	0	0	0	0
Michigan	NM	NM	NM	0	0	7	6	0	0	NM	NM
Ohio	100	89	12.0%	0	0	100	89	0	0	NM	0
Wisconsin	35	36	-2.0%	14	14	0	0	0	0	21	22
West North Central	0	1	-95.4%	0	0	0	0	0	1	0	0
Iowa	0	1	-90.8%	0	0	0	0	0	1	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	312	125	150.5%	296	97	0	0	0	0	16	27
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	296	97	204.9%	296	97	0	0	0	0	0	0
Georgia	16	27	-42.2%	0	0	0	0	0	0	16	27
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	125	151	-17.6%	125	151	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	125	151	-17.6%	125	151	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	512	292	75.1%	381	179	19	5	0	0	111	109
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	411	195	111.0%	381	179	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	101	98	3.5%	0	0	19	5	0	0	82	93
Mountain	38	30	26.8%	0	0	38	30	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	38	30	26.8%	0	0	38	30	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	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	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	1,317	772	70.7%	976	467	170	135	0	1	170	168

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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 1.9.B. Net Generation from Petroleum Coke
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	64	NM	NM	0	0	5	0	0	0	59	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	5	0	--	0	0	5	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	1,770	1,335	32.6%	903	598	688	577	0	0	179	159
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	873	553	57.8%	873	553	0	0	0	0	0	0
Michigan	97	75	30.1%	0	0	46	43	0	0	51	NM
Ohio	645	536	20.2%	0	0	642	535	0	0	NM	NM
Wisconsin	156	170	-8.6%	30	45	0	0	0	0	126	125
West North Central	2	14	-86.0%	0	12	0	0	2	2	0	0
Iowa	2	14	-84.6%	0	12	0	0	2	2	0	0
Kansas	0	0	231.8%	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	1,359	658	106.5%	1,220	458	0	0	0	0	138	200
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	1,220	458	166.5%	1,220	458	0	0	0	0	0	0
Georgia	138	200	-30.8%	0	0	0	0	0	0	138	200
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	786	770	2.1%	786	770	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	786	770	2.1%	786	770	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	3,376	2,329	44.9%	2,645	1,532	30	12	0	0	700	786
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,815	1,654	70.2%	2,645	1,532	0	0	0	0	170	123
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	560	675	-17.0%	0	0	30	12	0	0	530	663
Mountain	254	245	3.6%	0	0	254	245	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	254	245	3.6%	0	0	254	245	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	40	233	-82.8%	0	0	40	233	0	0	0	0
California	40	233	-82.8%	0	0	40	233	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	7,651	5,615	36.2%	5,554	3,370	1,018	1,068	2	2	1,076	1,175

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 1.10.A. Net Generation from Natural Gas
by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	6,432	7,127	-9.8%	75	106	6,044	6,697	66	61	247	263
Connecticut	1,622	1,781	-9.0%	2	NM	1,570	1,724	NM	19	31	35
Maine	491	715	-31.2%	0	0	301	518	NM	NM	190	197
Massachusetts	2,956	3,051	-3.1%	64	65	2,827	2,923	41	35	NM	28
New Hampshire	571	731	-21.9%	8	37	560	691	0	0	NM	NM
Rhode Island	791	848	-6.7%	0	0	785	841	NM	NM	0	0
Vermont	0	0	-9.0%	0	0	0	0	0	0	0	0
Middle Atlantic	15,609	16,637	-6.2%	1,642	1,799	13,742	14,614	79	79	148	145
New Jersey	3,395	3,504	-3.1%	0	0	3,334	3,442	NM	NM	43	49
New York	7,106	7,539	-5.7%	1,640	1,795	5,391	5,665	53	55	23	23
Pennsylvania	5,108	5,594	-8.7%	NM	NM	5,017	5,507	NM	NM	81	73
East North Central	6,850	12,179	-43.8%	2,548	4,705	4,073	7,200	107	115	122	159
Illinois	1,233	2,422	-49.1%	133	447	1,014	1,884	38	36	48	54
Indiana	951	1,817	-47.6%	612	1,401	288	358	NM	NM	46	52
Michigan	1,510	3,518	-57.1%	454	1,041	1,008	2,419	35	38	NM	NM
Ohio	2,180	2,392	-8.9%	863	755	1,290	1,609	NM	21	NM	NM
Wisconsin	976	2,030	-51.9%	485	1,061	473	930	NM	NM	NM	NM
West North Central	2,130	4,753	-55.2%	1,829	4,048	267	658	19	29	NM	NM
Iowa	281	714	-60.6%	280	711	NM	NM	NM	NM	0	NM
Kansas	292	687	-57.5%	288	683	0	0	0	0	NM	NM
Minnesota	732	1,494	-51.0%	573	1,173	142	299	NM	NM	NM	NM
Missouri	578	1,340	-56.9%	445	968	125	358	8	13	NM	NM
Nebraska	125	381	-67.1%	123	378	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	NM	0	0	0	0	NM	NM
South Dakota	120	135	-11.1%	120	135	0	0	0	0	0	0
South Atlantic	24,161	28,604	-15.5%	18,858	21,384	4,963	6,853	NM	21	314	346
Delaware	711	806	-11.7%	NM	NM	618	726	0	0	87	74
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	12,585	14,970	-15.9%	11,615	13,421	843	1,409	NM	NM	122	135
Georgia	3,525	4,958	-28.9%	2,615	2,597	848	2,285	0	0	62	75
Maryland	504	784	-35.7%	0	0	480	750	NM	15	NM	19
North Carolina	2,615	2,417	8.2%	1,685	2,069	920	336	0	1	NM	NM
South Carolina	1,464	1,496	-2.1%	1,199	1,278	260	216	NM	NM	5	NM
Virginia	2,668	3,111	-14.2%	1,721	2,000	929	1,084	0	0	18	28
West Virginia	81	54	50.5%	16	5	64	47	0	0	NM	NM
East South Central	8,213	11,706	-29.8%	4,530	5,735	3,478	5,820	NM	NM	192	137
Alabama	4,215	5,942	-29.1%	1,253	1,385	2,897	4,473	0	0	64	85
Kentucky	266	493	-46.1%	202	348	43	127	0	0	NM	18
Mississippi	3,251	4,241	-23.3%	2,606	2,990	537	1,220	NM	NM	106	29
Tennessee	481	1,030	-53.3%	468	1,014	0	0	NM	NM	NM	5
West South Central	31,278	37,317	-16.2%	9,520	11,585	16,233	20,054	55	59	5,470	5,619
Arkansas	1,348	2,423	-44.4%	443	603	885	1,806	NM	NM	19	14
Louisiana	5,229	6,163	-15.2%	2,188	2,696	953	1,328	NM	NM	2,083	2,133
Oklahoma	3,565	5,447	-34.5%	2,430	3,809	1,124	1,625	NM	NM	NM	NM
Texas	21,137	23,285	-9.2%	4,458	4,477	13,271	15,295	48	51	3,360	3,463
Mountain	10,470	10,058	4.1%	5,953	5,789	4,428	4,160	18	20	71	89
Arizona	4,309	3,977	8.4%	1,788	1,723	2,517	2,248	NM	6	0	NM
Colorado	1,327	1,365	-2.8%	697	700	628	662	2	1	NM	NM
Idaho	385	264	45.5%	240	202	144	60	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	2,847	2,765	3.0%	2,096	2,014	728	719	NM	5	19	27
New Mexico	942	985	-4.3%	609	587	322	383	NM	7	NM	8
Utah	593	598	-0.9%	497	510	83	72	NM	NM	NM	16
Wyoming	44	60	-27.7%	NM	NM	NM	NM	0	0	33	35
Pacific Contiguous	14,202	11,517	23.3%	5,213	3,538	7,721	6,712	154	155	1,114	1,111
California	11,783	10,617	11.0%	3,661	3,111	6,870	6,255	150	150	1,102	1,102
Oregon	1,196	556	115.2%	507	143	678	402	NM	NM	NM	NM
Washington	1,223	343	256.3%	1,044	284	173	55	NM	NM	5	2
Pacific Noncontiguous	263	305	-13.7%	258	300	0	0	NM	NM	NM	NM
Alaska	263	305	-13.7%	258	300	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	119,608	140,202	-14.7%	50,425	58,989	60,948	72,767	537	553	7,698	7,892

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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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 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through July 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	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	30,379	35,564	-14.6%	180	220	28,317	33,375	401	416	1,481	1,553
Connecticut	9,240	8,701	6.2%	NM	NM	8,957	8,385	115	124	152	168
Maine	2,920	3,570	-18.2%	0	0	1,714	2,321	NM	NM	1,206	1,249
Massachusetts	12,475	14,118	-11.6%	145	146	11,967	13,593	255	258	108	121
New Hampshire	2,182	4,328	-49.6%	18	49	2,149	4,263	0	0	NM	NM
Rhode Island	3,559	4,845	-26.5%	0	0	3,529	4,812	NM	33	0	0
Vermont	2	2	13.1%	2	2	0	0	0	0	0	0
Middle Atlantic	75,789	83,125	-8.8%	7,794	8,058	66,698	73,710	478	466	820	892
New Jersey	15,311	16,654	-8.1%	0	0	14,959	16,272	89	77	264	305
New York	32,114	34,717	-7.5%	7,790	8,051	23,836	26,172	349	344	140	149
Pennsylvania	28,364	31,754	-10.7%	NM	NM	27,903	31,265	NM	45	416	438
East North Central	34,950	57,122	-38.8%	12,495	20,921	21,064	34,557	626	722	764	922
Illinois	4,425	8,257	-46.4%	433	1,295	3,523	6,439	220	249	248	274
Indiana	5,101	9,819	-48.1%	3,485	7,923	1,289	1,531	NM	34	296	332
Michigan	7,954	16,554	-52.0%	1,582	3,569	6,042	12,594	229	248	101	143
Ohio	12,582	14,025	-10.3%	4,484	3,685	7,955	10,182	105	114	38	44
Wisconsin	4,888	8,467	-42.3%	2,510	4,448	2,255	3,812	41	78	81	129
West North Central	9,035	13,683	-34.0%	7,516	11,462	1,282	1,934	109	173	128	113
Iowa	754	1,364	-44.7%	739	1,348	NM	NM	NM	NM	NM	NM
Kansas	1,337	2,158	-38.1%	1,317	2,142	0	0	0	0	20	NM
Minnesota	3,641	4,980	-26.9%	3,020	4,091	488	744	69	94	64	50
Missouri	2,839	4,261	-33.4%	2,011	3,002	794	1,190	34	68	NM	NM
Nebraska	238	671	-64.6%	217	646	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	212	234	-9.5%	212	234	0	0	0	0	0	0
South Atlantic	143,512	154,961	-7.4%	115,106	118,512	26,116	34,446	167	137	2,122	1,866
Delaware	3,532	4,310	-18.1%	NM	NM	3,005	4,004	0	0	512	290
District of Columbia	39	NM	NM	0	NM	0	0	39	0	0	0
Florida	78,097	87,648	-10.9%	72,086	79,341	5,140	7,415	NM	NM	846	867
Georgia	23,832	24,595	-3.1%	17,961	13,734	5,374	10,454	0	0	497	408
Maryland	1,630	3,379	-51.8%	0	0	1,491	3,175	100	107	39	97
North Carolina	15,854	11,736	35.1%	10,331	9,653	5,445	2,019	1	3	76	61
South Carolina	7,393	7,952	-7.0%	6,673	6,838	681	1,083	NM	NM	37	29
Virginia	12,929	15,132	-14.6%	8,006	8,870	4,813	6,153	0	0	110	109
West Virginia	206	161	28.4%	34	11	168	144	0	0	NM	NM
East South Central	49,427	65,553	-24.6%	26,614	33,500	21,208	31,055	76	83	1,528	915
Alabama	26,826	34,199	-21.6%	7,941	8,433	18,332	25,217	0	0	554	549
Kentucky	1,065	2,290	-53.5%	770	1,899	173	261	0	0	122	130
Mississippi	18,779	24,594	-23.6%	15,235	18,795	2,703	5,578	NM	NM	828	207
Tennessee	2,756	4,470	-38.4%	2,668	4,373	0	0	63	68	25	29
West South Central	168,829	201,007	-16.0%	42,745	55,217	89,435	109,857	335	344	36,314	35,589
Arkansas	7,970	11,061	-27.9%	1,009	1,839	6,809	9,101	NM	NM	151	121
Louisiana	28,451	34,966	-18.6%	10,573	13,987	4,741	7,370	NM	NM	13,110	13,582
Oklahoma	17,787	25,506	-30.3%	12,892	17,137	4,799	8,287	NM	NM	73	60
Texas	114,621	129,474	-11.5%	18,271	22,255	73,085	85,099	286	294	22,979	21,826
Mountain	44,355	48,725	-9.0%	26,498	28,954	17,124	18,973	115	122	619	677
Arizona	13,759	17,552	-21.6%	5,825	8,110	7,896	9,397	34	39	NM	NM
Colorado	6,063	6,569	-7.7%	3,302	3,786	2,749	2,771	3	2	NM	NM
Idaho	1,610	935	72.2%	736	293	854	620	0	0	20	22
Montana	79	120	-34.1%	68	NM	NM	NM	0	0	0	0
Nevada	14,212	14,160	0.4%	10,755	10,382	3,270	3,589	34	35	153	153
New Mexico	5,031	5,149	-2.3%	3,008	2,891	1,938	2,172	43	44	43	43
Utah	3,285	3,896	-15.7%	2,783	3,351	397	392	NM	NM	104	152
Wyoming	316	344	-7.9%	NM	NM	NM	NM	0	0	287	290
Pacific Contiguous	74,479	72,658	2.5%	25,248	22,888	41,022	41,418	1,015	1,032	7,195	7,320
California	63,061	64,674	-2.5%	19,080	19,307	35,902	37,144	987	994	7,093	7,229
Oregon	7,008	5,633	24.4%	2,394	1,749	4,532	3,799	24	NM	57	58
Washington	4,411	2,351	87.6%	3,773	1,832	588	475	NM	NM	45	33
Pacific Noncontiguous	2,096	2,326	-9.9%	2,057	2,284	0	0	NM	NM	37	40
Alaska	2,096	2,326	-9.9%	2,057	2,284	0	0	NM	NM	37	40
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	632,851	734,724	-13.9%	266,253	302,015	312,266	379,326	3,324	3,497	51,008	49,887

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 1.11.A. Net Generation from Other Gases
by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	85	53	61.1%	0	0	NM	0	NM	0	79	53
New Jersey	17	NM	NM	0	0	0	0	NM	0	17	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	68	43	59.0%	0	0	NM	0	0	0	63	43
East North Central	299	257	16.3%	6	0	24	32	0	0	269	226
Illinois	38	23	67.8%	0	0	3	1	0	0	35	22
Indiana	213	188	13.2%	0	0	0	0	0	0	213	188
Michigan	26	30	-10.8%	6	0	20	30	0	0	0	0
Ohio	22	NM	NM	0	0	0	1	0	0	22	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	32	58	-44.7%	0	0	0	0	0	0	32	58
Delaware	29	38	-25.6%	0	0	0	0	0	0	29	38
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	0	75.2%	0	0	0	0	0	0	1	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	NM	NM	0	0	0	0	0	0	0	NM
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	3	3	4.1%	0	0	0	0	0	0	3	3
East South Central	8	9	-16.8%	0	0	0	0	0	0	8	9
Alabama	6	8	-19.0%	0	0	0	0	0	0	6	8
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	-4.4%	0	0	0	0	0	0	1	1
West South Central	433	385	12.5%	0	0	218	169	0	0	215	216
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	177	96	84.1%	0	0	61	22	0	0	116	74
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	256	289	-11.3%	0	0	157	147	0	0	99	142
Mountain	25	24	6.3%	0	0	1	1	0	0	25	23
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	-24.8%	0	0	0	0	0	0	0	0
Nevada	1	1	-16.0%	0	0	1	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	22	21	6.9%	0	0	0	0	0	0	22	21
Pacific Contiguous	152	177	-13.8%	NM	NM	41	35	0	0	111	141
California	112	142	-21.4%	NM	NM	0	0	0	0	111	141
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	41	35	17.5%	0	0	41	35	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	1,042	968	7.6%	7	NM	288	236	NM	0	746	731

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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 July 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	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	513	477	7.5%	0	0	19	30	NM	NM	493	445
New Jersey	102	92	11.2%	0	0	0	0	NM	NM	101	90
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	411	385	6.6%	0	0	19	30	0	0	392	355
East North Central	1,796	1,887	-4.8%	27	0	208	219	0	0	1,561	1,668
Illinois	223	189	17.9%	0	0	16	3	0	0	206	186
Indiana	1,234	1,359	-9.2%	0	0	0	0	0	0	1,234	1,359
Michigan	218	185	18.1%	27	0	192	185	0	0	0	0
Ohio	120	154	-22.0%	0	0	0	31	0	0	120	123
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	29	25	16.7%	0	0	0	0	0	0	29	25
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	29	25	16.7%	0	0	0	0	0	0	29	25
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	90	314	-71.4%	0	0	0	0	0	0	90	314
Delaware	71	162	-56.1%	0	0	0	0	0	0	71	162
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	5	-43.3%	0	0	0	0	0	0	3	5
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	129	-100.0%	0	0	0	0	0	0	0	129
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	16	18	-12.2%	0	0	0	0	0	0	16	18
East South Central	77	176	-56.1%	0	0	0	0	0	0	77	176
Alabama	69	167	-58.6%	0	0	0	0	0	0	69	167
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8	8	-6.3%	0	0	0	0	0	0	8	8
West South Central	2,624	2,528	3.8%	0	0	1,118	1,142	0	0	1,506	1,386
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,211	697	73.7%	0	0	315	158	0	0	896	539
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,413	1,831	-22.8%	0	0	803	984	0	0	610	847
Mountain	196	191	2.6%	0	0	3	4	0	0	192	187
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	8.6%	0	0	0	0	0	0	0	0
Nevada	3	4	-19.1%	0	0	3	4	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	17	17	-2.8%	0	0	0	0	0	0	17	17
Wyoming	176	169	3.7%	0	0	0	0	0	0	176	169
Pacific Contiguous	1,080	1,240	-12.9%	NM	NM	220	235	0	0	854	999
California	860	1,005	-14.5%	NM	NM	0	0	0	0	854	999
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	220	235	-6.2%	0	0	220	235	0	0	0	0
Pacific Noncontiguous	19	21	-8.7%	0	0	0	0	0	0	19	21
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	17	19	-9.8%	0	0	0	0	0	0	17	19
U.S. Total	6,423	6,857	-6.3%	32	NM	1,569	1,630	NM	NM	4,821	5,219

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	3,426	3,226	6.2%	0	0	3,426	3,226	0	0	0	0
Connecticut	1,554	1,528	1.7%	0	0	1,554	1,528	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	500	492	1.6%	0	0	500	492	0	0	0	0
New Hampshire	927	782	18.5%	0	0	927	782	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	445	424	4.9%	0	0	445	424	0	0	0	0
Middle Atlantic	13,669	13,152	3.9%	0	0	13,669	13,152	0	0	0	0
New Jersey	2,992	2,943	1.7%	0	0	2,992	2,943	0	0	0	0
New York	3,663	3,672	-0.2%	0	0	3,663	3,672	0	0	0	0
Pennsylvania	7,014	6,538	7.3%	0	0	7,014	6,538	0	0	0	0
East North Central	13,298	12,947	2.7%	2,023	1,566	11,275	11,381	0	0	0	0
Illinois	8,471	8,175	3.6%	0	0	8,471	8,175	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,609	1,946	34.1%	2,023	1,566	586	380	0	0	0	0
Ohio	1,328	1,586	-16.2%	0	0	1,328	1,586	0	0	0	0
Wisconsin	890	1,241	-28.3%	0	0	890	1,241	0	0	0	0
West North Central	3,356	3,907	-14.1%	2,908	3,467	448	440	0	0	0	0
Iowa	448	440	1.8%	0	0	448	440	0	0	0	0
Kansas	883	837	5.4%	883	837	0	0	0	0	0	0
Minnesota	768	1,181	-35.0%	768	1,181	0	0	0	0	0	0
Missouri	720	888	-18.9%	720	888	0	0	0	0	0	0
Nebraska	538	561	-4.1%	538	561	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	18,330	16,925	8.3%	17,068	15,754	1,262	1,170	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	2,709	1,543	75.6%	2,709	1,543	0	0	0	0	0	0
Georgia	2,991	3,009	-0.6%	2,991	3,009	0	0	0	0	0	0
Maryland	1,262	1,170	7.9%	0	0	1,262	1,170	0	0	0	0
North Carolina	3,795	3,770	0.7%	3,795	3,770	0	0	0	0	0	0
South Carolina	4,904	4,786	2.5%	4,904	4,786	0	0	0	0	0	0
Virginia	2,668	2,647	0.8%	2,668	2,647	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,224	6,990	3.3%	7,224	6,990	0	0	0	0	0	0
Alabama	3,720	3,605	3.2%	3,720	3,605	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	979	900	8.8%	979	900	0	0	0	0	0	0
Tennessee	2,525	2,485	1.6%	2,525	2,485	0	0	0	0	0	0
West South Central	6,044	6,705	-9.9%	2,317	2,944	3,727	3,761	0	0	0	0
Arkansas	735	1,357	-45.8%	735	1,357	0	0	0	0	0	0
Louisiana	1,582	1,587	-0.4%	1,582	1,587	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,727	3,761	-0.9%	0	0	3,727	3,761	0	0	0	0
Mountain	2,892	2,831	2.2%	2,892	2,831	0	0	0	0	0	0
Arizona	2,892	2,831	2.2%	2,892	2,831	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	2,292	2,447	-6.3%	2,292	2,447	0	0	0	0	0	0
California	1,486	1,674	-11.3%	1,486	1,674	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	806	773	4.3%	806	773	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	70,531	69,129	2.0%	36,724	35,999	33,807	33,130	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 July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	20,927	22,115	-5.4%	0	0	20,927	22,115	0	0	0	0
Connecticut	9,630	10,691	-9.9%	0	0	9,630	10,691	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	2,308	3,381	-31.7%	0	0	2,308	3,381	0	0	0	0
New Hampshire	6,347	5,229	21.4%	0	0	6,347	5,229	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	2,643	2,814	-6.1%	0	0	2,643	2,814	0	0	0	0
Middle Atlantic	91,210	87,637	4.1%	0	0	91,210	87,637	0	0	0	0
New Jersey	19,734	19,962	-1.1%	0	0	19,734	19,962	0	0	0	0
New York	25,503	23,489	8.6%	0	0	25,503	23,489	0	0	0	0
Pennsylvania	45,973	44,186	4.0%	0	0	45,973	44,186	0	0	0	0
East North Central	88,107	89,876	-2.0%	12,982	13,508	75,125	76,367	0	0	0	0
Illinois	56,391	56,073	0.6%	0	0	56,391	56,073	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	16,080	16,161	-0.5%	12,982	13,508	3,098	2,652	0	0	0	0
Ohio	8,298	9,270	-10.5%	0	0	8,298	9,270	0	0	0	0
Wisconsin	7,337	8,371	-12.4%	0	0	7,337	8,371	0	0	0	0
West North Central	21,207	24,220	-12.4%	18,110	21,123	3,097	3,098	0	0	0	0
Iowa	3,097	3,098	0.0%	0	0	3,097	3,098	0	0	0	0
Kansas	3,631	3,879	-6.4%	3,631	3,879	0	0	0	0	0	0
Minnesota	6,118	7,078	-13.6%	6,118	7,078	0	0	0	0	0	0
Missouri	4,446	6,226	-28.6%	4,446	6,226	0	0	0	0	0	0
Nebraska	3,914	3,940	-0.6%	3,914	3,940	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	114,530	107,183	6.9%	106,578	99,778	7,951	7,405	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	14,556	10,407	39.9%	14,556	10,407	0	0	0	0	0	0
Georgia	18,525	19,831	-6.6%	18,525	19,831	0	0	0	0	0	0
Maryland	7,951	7,405	7.4%	0	0	7,951	7,405	0	0	0	0
North Carolina	22,417	23,296	-3.8%	22,417	23,296	0	0	0	0	0	0
South Carolina	33,652	29,840	12.8%	33,652	29,840	0	0	0	0	0	0
Virginia	17,429	16,405	6.2%	17,429	16,405	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	46,562	42,445	9.7%	46,562	42,445	0	0	0	0	0	0
Alabama	22,999	23,559	-2.4%	22,999	23,559	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	6,395	2,580	147.9%	6,395	2,580	0	0	0	0	0	0
Tennessee	17,168	16,306	5.3%	17,168	16,306	0	0	0	0	0	0
West South Central	36,726	41,860	-12.3%	15,139	19,610	21,587	22,250	0	0	0	0
Arkansas	6,010	9,429	-36.3%	6,010	9,429	0	0	0	0	0	0
Louisiana	9,129	10,182	-10.3%	9,129	10,182	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	21,587	22,250	-3.0%	0	0	21,587	22,250	0	0	0	0
Mountain	19,050	18,968	0.4%	19,050	18,968	0	0	0	0	0	0
Arizona	19,050	18,968	0.4%	19,050	18,968	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	14,092	15,875	-11.2%	14,092	15,875	0	0	0	0	0	0
California	9,735	10,645	-8.6%	9,735	10,645	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	4,358	5,230	-16.7%	4,358	5,230	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	452,412	450,179	0.5%	232,514	231,307	219,898	218,872	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	808	452	78.5%	125	NM	640	349	NM	NM	43	50
Connecticut	53	NM	NM	NM	NM	48	NM	0	0	0	0
Maine	350	235	49.3%	0	0	311	187	0	0	39	48
Massachusetts	118	NM	NM	NM	NM	85	NM	NM	NM	NM	NM
New Hampshire	150	NM	NM	41	NM	109	NM	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	136	NM	NM	47	NM	86	NM	0	0	NM	NM
Middle Atlantic	2,531	1,904	32.9%	1,893	1,589	630	311	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,284	1,808	26.3%	1,789	1,564	488	241	NM	NM	NM	NM
Pennsylvania	242	NM	NM	104	NM	138	NM	0	0	0	0
East North Central	355	440	-19.4%	317	400	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Indiana	31	40	-22.8%	31	40	0	0	0	0	0	0
Michigan	105	142	-26.1%	95	130	NM	NM	0	0	NM	NM
Ohio	41	35	19.3%	41	35	0	0	0	0	0	0
Wisconsin	165	216	-23.8%	145	192	NM	NM	NM	NM	NM	NM
West North Central	906	1,224	-26.0%	880	1,194	NM	NM	0	0	NM	NM
Iowa	NM	83	NM	NM	82	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	79	32	147.0%	79	32	0	0	0	0	0	0
Nebraska	128	158	-18.8%	128	158	0	0	0	0	0	0
North Dakota	178	229	-22.4%	178	229	0	0	0	0	0	0
South Dakota	406	643	-37.0%	406	643	0	0	0	0	0	0
South Atlantic	2,115	729	190.2%	1,748	633	227	71	NM	NM	138	23
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	434	193	124.3%	430	192	NM	NM	0	0	NM	NM
Maryland	165	43	288.4%	0	0	165	43	0	0	0	0
North Carolina	749	225	233.3%	664	222	NM	NM	NM	NM	79	0
South Carolina	430	109	296.2%	424	106	NM	NM	NM	0	0	0
Virginia	176	86	105.6%	168	81	NM	NM	0	0	NM	NM
West Virginia	140	NM	NM	42	NM	42	20	0	0	56	21
East South Central	2,665	967	175.8%	2,567	966	NM	NM	0	0	97	0
Alabama	1,202	364	230.4%	1,202	364	0	0	0	0	0	0
Kentucky	337	119	184.2%	337	118	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,126	484	132.7%	1,029	484	0	0	0	0	97	0
West South Central	621	241	157.5%	488	217	133	NM	0	0	0	0
Arkansas	225	116	94.0%	220	113	NM	NM	0	0	0	0
Louisiana	125	20	531.4%	0	0	125	20	0	0	0	0
Oklahoma	146	NM	NM	146	NM	0	0	0	0	0	0
Texas	126	54	133.4%	122	52	NM	NM	0	0	0	0
Mountain	3,457	4,096	-15.6%	3,035	3,582	422	514	0	0	0	0
Arizona	601	643	-6.5%	601	643	0	0	0	0	0	0
Colorado	158	222	-29.2%	143	203	NM	NM	0	0	0	0
Idaho	1,131	1,318	-14.2%	1,044	1,211	88	107	0	0	0	0
Montana	1,065	1,389	-23.3%	752	1,008	314	381	0	0	0	0
Nevada	247	252	-1.7%	242	247	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	96	120	-19.9%	95	119	NM	NM	0	0	0	0
Wyoming	144	128	12.3%	143	127	NM	NM	0	0	0	0
Pacific Contiguous	13,613	16,588	-17.9%	13,399	16,350	211	237	NM	NM	NM	NM
California	3,170	3,178	-0.2%	2,996	2,992	172	185	NM	NM	0	0
Oregon	2,690	3,797	-29.2%	2,667	3,769	NM	NM	0	0	0	0
Washington	7,753	9,614	-19.4%	7,737	9,589	NM	NM	0	0	NM	NM
Pacific Noncontiguous	109	117	-7.2%	104	110	1	3	0	0	NM	NM
Alaska	102	108	-5.1%	102	108	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	1	3	0	0	NM	NM
U.S. Total	27,180	26,758	1.6%	24,557	25,094	2,305	1,552	NM	NM	311	109

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 July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	5,444	4,720	15.3%	795	638	4,287	3,647	NM	NM	358	433
Connecticut	352	299	17.8%	NM	NM	321	271	0	0	0	0
Maine	2,455	2,167	13.3%	0	0	2,120	1,754	0	0	335	413
Massachusetts	750	636	18.0%	202	147	540	482	NM	NM	NM	NM
New Hampshire	981	856	14.6%	257	215	720	638	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	901	758	18.8%	304	248	582	497	0	0	NM	NM
Middle Atlantic	16,650	17,344	-4.0%	12,449	13,814	4,152	3,488	NM	NM	46	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	14,851	15,792	-6.0%	11,644	13,100	3,157	2,650	NM	NM	46	NM
Pennsylvania	1,775	1,534	15.7%	805	714	970	820	0	0	0	0
East North Central	2,453	2,728	-10.1%	2,191	2,458	157	155	NM	NM	95	106
Illinois	83	71	17.1%	NM	NM	51	45	NM	0	0	0
Indiana	248	258	-3.9%	248	258	0	0	0	0	0	0
Michigan	728	863	-15.7%	650	786	62	60	0	0	NM	NM
Ohio	279	217	28.7%	279	217	0	0	0	0	0	0
Wisconsin	1,115	1,319	-15.5%	983	1,171	NM	50	NM	NM	80	89
West North Central	5,894	7,510	-21.5%	5,717	7,306	123	131	0	0	54	73
Iowa	476	518	-8.1%	472	513	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	350	491	-28.8%	191	300	105	118	0	0	54	73
Missouri	855	624	37.0%	855	624	0	0	0	0	0	0
Nebraska	855	971	-12.0%	855	971	0	0	0	0	0	0
North Dakota	1,199	1,531	-21.7%	1,199	1,531	0	0	0	0	0	0
South Dakota	2,148	3,367	-36.2%	2,146	3,367	NM	0	0	0	0	0
South Atlantic	10,929	7,303	49.7%	8,471	5,393	1,469	1,486	NM	NM	978	418
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	124	99	26.1%	124	99	0	0	0	0	0	0
Georgia	2,117	1,412	50.0%	2,097	1,395	NM	NM	0	0	NM	NM
Maryland	1,046	1,147	-8.8%	0	0	1,046	1,147	0	0	0	0
North Carolina	4,080	2,186	86.7%	3,527	2,165	NM	NM	NM	NM	518	NM
South Carolina	1,634	887	84.1%	1,598	863	NM	NM	NM	NM	0	0
Virginia	894	670	33.4%	841	628	45	NM	0	0	NM	NM
West Virginia	1,034	903	14.5%	285	242	310	261	0	0	439	399
East South Central	17,585	10,597	65.9%	16,951	10,592	NM	NM	0	0	628	0
Alabama	8,289	4,494	84.4%	8,289	4,494	0	0	0	0	0	0
Kentucky	2,130	1,440	48.0%	2,125	1,435	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	7,166	4,663	53.7%	6,537	4,663	0	0	0	0	628	0
West South Central	4,256	3,628	17.3%	3,426	3,008	829	620	0	0	0	0
Arkansas	1,542	1,756	-12.2%	1,512	1,732	NM	NM	0	0	0	0
Louisiana	774	575	34.5%	0	0	774	575	0	0	0	0
Oklahoma	1,296	937	38.4%	1,296	937	0	0	0	0	0	0
Texas	644	360	79.0%	618	339	NM	NM	0	0	0	0
Mountain	21,276	24,122	-11.8%	18,445	20,986	2,830	3,137	0	0	0	0
Arizona	3,821	4,414	-13.4%	3,821	4,414	0	0	0	0	0	0
Colorado	1,153	1,288	-10.5%	1,058	1,171	95	117	0	0	0	0
Idaho	6,637	7,924	-16.2%	6,182	7,296	455	628	0	0	0	0
Montana	6,678	7,414	-9.9%	4,444	5,063	2,235	2,351	0	0	0	0
Nevada	1,754	1,601	9.5%	1,720	1,574	NM	NM	0	0	0	0
New Mexico	107	138	-22.5%	107	138	0	0	0	0	0	0
Utah	644	736	-12.5%	637	729	NM	NM	0	0	0	0
Wyoming	482	609	-20.8%	477	603	NM	NM	0	0	0	0
Pacific Contiguous	88,727	98,679	-10.1%	87,612	97,520	1,108	1,153	NM	NM	NM	NM
California	16,034	15,513	3.4%	15,227	14,702	801	807	NM	NM	0	0
Oregon	21,703	25,779	-15.8%	21,544	25,598	159	181	0	0	0	0
Washington	50,991	57,386	-11.1%	50,841	57,220	148	164	0	0	NM	NM
Pacific Noncontiguous	805	906	-11.2%	766	858	11	19	0	0	NM	NM
Alaska	755	846	-10.8%	755	846	0	0	0	0	0	0
Hawaii	50	60	-16.8%	NM	NM	11	19	0	0	NM	NM
U.S. Total	174,018	177,538	-2.0%	156,823	162,573	14,973	13,840	NM	NM	2,189	1,099

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	789	741	6.5%	69	47	502	490	11	10	207	194
Connecticut	56	62	-8.9%	0	0	56	62	0	0	0	0
Maine	369	413	-10.5%	0	0	209	210	NM	9	151	194
Massachusetts	177	113	57.5%	NM	NM	116	107	NM	NM	56	0
New Hampshire	121	103	17.9%	33	21	88	82	0	0	0	NM
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	54	40	34.7%	32	21	21	19	NM	NM	0	0
Middle Atlantic	812	759	6.9%	NM	NM	691	646	55	47	62	60
New Jersey	126	123	2.3%	NM	NM	100	92	21	25	NM	NM
New York	359	321	11.8%	0	0	314	290	23	11	22	21
Pennsylvania	327	315	3.8%	0	0	277	265	11	11	39	40
East North Central	1,311	1,136	15.5%	142	110	1,010	868	16	26	145	132
Illinois	478	398	20.1%	NM	NM	477	397	0	NM	0	0
Indiana	169	143	17.5%	26	27	138	113	NM	NM	NM	2
Michigan	330	274	20.4%	45	15	218	187	12	23	55	49
Ohio	108	106	2.0%	NM	NM	76	73	NM	0	29	32
Wisconsin	227	214	5.9%	67	66	100	98	NM	NM	59	49
West North Central	2,836	2,165	31.0%	815	671	1,973	1,445	NM	6	42	43
Iowa	878	658	33.5%	446	340	428	314	NM	3	2	1
Kansas	664	360	84.3%	70	78	594	282	0	0	0	0
Minnesota	654	531	23.2%	144	120	469	368	NM	NM	40	41
Missouri	64	71	-10.3%	NM	3	61	68	0	0	NM	NM
Nebraska	106	87	22.1%	19	18	86	68	NM	NM	0	0
North Dakota	313	274	14.1%	100	64	213	209	0	0	0	NM
South Dakota	157	184	-14.9%	34	46	123	138	0	0	0	0
South Atlantic	1,476	1,483	-0.5%	123	108	523	529	37	30	793	816
Delaware	NM	16	NM	0	NM	NM	16	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	406	428	-5.2%	27	27	187	214	NM	3	188	183
Georgia	329	296	11.1%	0	0	52	15	NM	NM	274	279
Maryland	71	73	-1.6%	NM	NM	53	53	NM	6	13	13
North Carolina	227	206	9.9%	0	NM	109	90	NM	0	113	116
South Carolina	160	175	-8.8%	44	45	NM	NM	0	0	114	129
Virginia	218	205	6.7%	52	36	56	54	22	18	90	97
West Virginia	55	85	-35.5%	0	0	55	85	0	0	0	0
East South Central	533	539	-1.2%	NM	9	23	21	NM	0	501	510
Alabama	286	288	-0.4%	NM	NM	16	17	0	0	270	270
Kentucky	25	38	-35.0%	NM	9	0	0	0	0	16	30
Mississippi	128	122	4.4%	0	0	0	0	0	0	128	122
Tennessee	94	91	3.1%	0	0	NM	4	NM	0	87	87
West South Central	3,737	3,188	17.2%	152	148	3,107	2,628	NM	4	474	408
Arkansas	144	141	2.1%	0	0	NM	8	NM	NM	138	133
Louisiana	226	168	34.5%	0	0	NM	7	0	0	220	162
Oklahoma	805	596	35.0%	121	119	658	452	0	0	26	26
Texas	2,562	2,283	12.3%	31	30	2,436	2,162	NM	3	91	88
Mountain	1,744	1,479	18.0%	142	124	1,563	1,313	NM	8	33	33
Arizona	190	138	37.8%	20	18	169	119	NM	NM	0	0
Colorado	530	396	33.7%	4	3	523	390	NM	NM	NM	NM
Idaho	213	147	44.6%	9	0	171	114	0	0	33	33
Montana	88	72	23.4%	5	NM	84	67	0	0	0	0
Nevada	310	290	6.8%	0	0	307	286	NM	4	NM	NM
New Mexico	158	165	-4.3%	NM	0	153	165	NM	NM	0	0
Utah	87	89	-2.5%	22	21	64	67	0	0	0	0
Wyoming	169	181	-7.0%	77	77	91	104	0	0	0	0
Pacific Contiguous	5,160	4,152	24.3%	719	572	4,128	3,300	103	96	210	183
California	3,521	2,818	24.9%	250	177	3,107	2,485	100	94	64	62
Oregon	922	750	23.0%	190	166	694	555	NM	2	36	26
Washington	718	584	22.8%	280	229	328	260	0	0	110	95
Pacific Noncontiguous	108	89	22.1%	NM	NM	75	63	18	13	NM	10
Alaska	NM	NM	NM	NM	NM	NM	0	0	0	NM	NM
Hawaii	100	88	13.7%	1	2	72	63	18	13	NM	10
U.S. Total	18,507	15,731	17.7%	2,183	1,798	13,594	11,304	256	239	2,475	2,390

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	5,391	4,979	8.3%	484	357	3,589	3,405	77	72	1,242	1,146
Connecticut	388	411	-5.7%	0	0	388	411	0	0	0	0
Maine	2,499	2,647	-5.6%	0	0	1,514	1,440	65	61	920	1,146
Massachusetts	1,160	766	51.4%	39	45	787	712	11	9	323	0
New Hampshire	859	795	8.0%	204	185	654	610	0	0	NM	NM
Rhode Island	75	76	-2.0%	0	0	75	76	0	0	0	0
Vermont	411	283	45.4%	240	127	170	155	NM	NM	0	0
Middle Atlantic	7,549	6,535	15.5%	31	33	6,764	5,769	341	310	413	422
New Jersey	787	758	3.9%	31	33	624	560	131	164	NM	NM
New York	3,312	3,072	7.8%	0	0	3,030	2,855	137	71	145	146
Pennsylvania	3,450	2,705	27.5%	0	0	3,110	2,355	73	75	267	275
East North Central	14,293	12,260	16.6%	1,447	1,098	11,780	10,057	115	131	950	974
Illinois	6,255	5,105	22.5%	9	9	6,246	5,096	0	NM	0	0
Indiana	2,306	2,195	5.1%	172	179	2,109	1,990	NM	13	NM	12
Michigan	2,721	2,023	34.5%	520	172	1,755	1,376	92	109	354	366
Ohio	1,078	1,019	5.8%	17	11	855	784	NM	0	204	224
Wisconsin	1,933	1,918	0.8%	729	727	816	811	NM	8	381	372
West North Central	27,123	23,315	16.3%	8,511	7,441	18,276	15,538	45	48	291	288
Iowa	9,380	8,387	11.8%	5,177	4,382	4,178	3,977	20	20	6	8
Kansas	5,471	2,765	97.9%	514	599	4,957	2,166	0	0	0	0
Minnesota	5,719	5,532	3.4%	1,300	1,120	4,120	4,120	18	20	282	272
Missouri	757	814	-7.0%	20	20	736	792	0	0	NM	NM
Nebraska	1,020	780	30.8%	154	149	859	622	NM	8	0	0
North Dakota	3,200	3,265	-2.0%	988	762	2,211	2,497	0	0	NM	5
South Dakota	1,575	1,772	-11.2%	359	409	1,216	1,364	0	0	0	0
South Atlantic	10,235	10,063	1.7%	681	658	4,000	3,815	237	196	5,317	5,395
Delaware	72	93	-23.0%	NM	NM	68	88	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,734	2,768	-1.2%	163	150	1,303	1,399	23	23	1,246	1,197
Georgia	1,998	1,934	3.3%	0	0	212	93	18	16	1,768	1,826
Maryland	555	516	7.5%	NM	NM	448	396	31	38	72	81
North Carolina	1,511	1,386	9.0%	NM	NM	718	622	26	0	766	764
South Carolina	1,118	1,260	-11.3%	268	299	12	13	0	0	839	948
Virginia	1,338	1,257	6.5%	246	205	329	357	137	116	627	579
West Virginia	910	849	7.2%	0	0	910	849	0	0	0	0
East South Central	3,426	3,520	-2.7%	57	58	165	157	NM	0	3,204	3,305
Alabama	1,807	1,882	-4.0%	NM	NM	113	116	0	0	1,693	1,766
Kentucky	189	203	-6.8%	56	58	0	0	0	0	134	146
Mississippi	839	835	0.5%	0	0	0	0	0	0	839	835
Tennessee	591	600	-1.5%	0	0	52	41	NM	0	538	559
West South Central	32,930	27,495	19.8%	1,164	1,138	28,636	23,396	25	25	3,106	2,936
Arkansas	973	975	-0.3%	0	0	43	51	NM	3	927	921
Louisiana	1,466	1,307	12.2%	0	0	43	45	0	0	1,423	1,262
Oklahoma	6,584	4,798	37.2%	969	943	5,447	3,685	0	0	168	171
Texas	23,908	20,414	17.1%	195	195	23,102	19,615	22	22	588	582
Mountain	15,491	13,442	15.2%	1,617	1,500	13,595	11,663	42	44	237	236
Arizona	1,344	711	89.1%	131	97	1,210	608	NM	NM	0	0
Colorado	4,449	3,864	15.2%	46	41	4,386	3,807	14	14	NM	NM
Idaho	1,854	1,399	32.5%	74	0	1,546	1,166	0	0	234	233
Montana	941	767	22.8%	54	58	887	708	0	0	0	0
Nevada	2,245	1,803	24.5%	0	0	2,223	1,780	21	22	NM	NM
New Mexico	1,600	1,566	2.2%	NM	0	1,581	1,563	NM	NM	0	0
Utah	524	694	-24.4%	134	155	391	539	0	0	0	0
Wyoming	2,532	2,638	-4.0%	1,161	1,148	1,371	1,490	0	0	0	0
Pacific Contiguous	32,836	28,005	17.2%	4,617	4,406	26,167	21,704	683	651	1,369	1,244
California	22,060	18,578	18.7%	1,359	1,161	19,618	16,371	667	637	415	409
Oregon	5,411	4,271	26.7%	966	941	4,174	3,134	16	15	255	182
Washington	5,365	5,156	4.1%	2,293	2,304	2,374	2,199	0	0	698	653
Pacific Noncontiguous	689	557	23.8%	35	22	492	382	100	85	62	68
Alaska	65	11	487.9%	22	9	42	0	0	0	NM	NM
Hawaii	624	546	14.3%	12	13	450	382	100	85	61	66
U.S. Total	149,964	130,171	15.2%	18,642	16,711	113,464	95,886	1,666	1,561	16,192	16,013

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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, July 2013 and 2012 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	-53	-41	29.9%	0	0	-53	-41	0	0	0	0
Connecticut	1	1	117.1%	0	0	1	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-54	-42	30.9%	0	0	-54	-42	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	-90	-90	0.0%	-41	-42	-49	-48	0	0	0	0
New Jersey	-22	-24	-8.8%	-22	-24	0	0	0	0	0	0
New York	-19	-19	2.8%	-19	-19	0	0	0	0	0	0
Pennsylvania	-49	-48	3.3%	0	0	-49	-48	0	0	0	0
East North Central	-101	-115	-12.2%	-101	-115	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	-101	-115	-12.2%	-101	-115	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	9	-22	-139.7%	9	-22	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	9	-22	-139.7%	9	-22	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	-368	-54.2%	-169	-368	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	35	-98	-135.9%	35	-98	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	-73	-113	-35.2%	-73	-113	0	0	0	0	0	0
Virginia	-130	-157	-17.2%	-130	-157	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-1	0	--	-1	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	-1	0	--	-1	0	0	0	0	0	0	0
West South Central	-4	-12	-64.6%	-4	-12	0	0	0	0	0	0
Arkansas	5	1	416.8%	5	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-9	-12	-26.6%	-9	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-17	-8	101.2%	-17	-8	0	0	0	0	0	0
Arizona	13	21	-35.2%	13	21	0	0	0	0	0	0
Colorado	-30	-29	4.4%	-30	-29	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	120	70	72.8%	120	70	0	0	0	0	0	0
California	121	63	91.1%	121	63	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	6	-105.4%	0	6	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	-306	-587	-47.8%	-204	-498	-103	-89	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 July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	-167	-161	4.1%	0	0	-167	-161	0	0	0	0
Connecticut	-3	1	-624.4%	0	0	-3	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-165	-161	2.0%	0	0	-165	-161	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	-492	-395	24.6%	-201	-141	-291	-254	0	0	0	0
New Jersey	-115	-80	42.9%	-115	-80	0	0	0	0	0	0
New York	-87	-61	42.9%	-87	-61	0	0	0	0	0	0
Pennsylvania	-291	-254	14.5%	0	0	-291	-254	0	0	0	0
East North Central	-494	-433	14.3%	-494	-433	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	-494	-433	14.3%	-494	-433	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	264	81	226.2%	264	81	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	264	81	226.2%	264	81	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	-1,413	-1,779	-20.6%	-1,413	-1,779	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	-232	-485	-52.2%	-232	-485	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	-442	-507	-12.7%	-442	-507	0	0	0	0	0	0
Virginia	-739	-788	-6.2%	-739	-788	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-23	-144	-84.3%	-23	-144	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	-23	-144	-84.3%	-23	-144	0	0	0	0	0	0
West South Central	-32	-26	23.9%	-32	-26	0	0	0	0	0	0
Arkansas	23	33	-30.6%	23	33	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-55	-59	-6.5%	-55	-59	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-83	-99	-16.8%	-83	-99	0	0	0	0	0	0
Arizona	30	53	-42.1%	30	53	0	0	0	0	0	0
Colorado	-113	-152	-25.6%	-113	-152	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	171	485	-64.7%	171	485	0	0	0	0	0	0
California	166	455	-63.5%	166	455	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5	30	-82.8%	5	30	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	-2,269	-2,471	-8.2%	-1,811	-2,056	-459	-415	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 1.16.A. Net Generation from Other Energy Sources by State, by Sector, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	179	188	-4.8%	0	0	169	177	8	8	2	3
Connecticut	65	69	-6.0%	0	0	65	69	0	0	NM	NM
Maine	29	34	-14.0%	0	0	21	23	8	8	0	3
Massachusetts	78	78	0.2%	0	0	76	78	0	0	2	0
New Hampshire	6	6	-2.7%	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	206	216	-4.8%	0	0	164	184	41	31	0	0
New Jersey	48	48	-0.5%	0	0	35	35	13	13	0	0
New York	82	87	-5.7%	0	0	63	77	19	10	0	0
Pennsylvania	76	81	-6.3%	0	0	67	72	9	9	0	0
East North Central	100	98	2.2%	14	6	15	15	12	23	58	54
Illinois	22	21	2.7%	0	0	0	0	0	0	22	21
Indiana	43	32	37.2%	11	1	0	0	NM	NM	31	29
Michigan	28	38	-25.6%	1	1	15	15	11	21	2	1
Ohio	1	1	-18.9%	0	0	0	0	0	0	1	1
Wisconsin	6	6	-5.0%	3	4	0	0	NM	0	NM	NM
West North Central	41	35	16.6%	21	19	14	10	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	36	29	25.0%	16	13	14	10	NM	NM	NM	3
Missouri	1	2	-59.4%	1	2	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	4	4	-3.7%	4	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	349	357	-2.3%	0	0	194	197	19	16	136	143
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	250	267	-6.6%	0	0	127	134	0	0	123	134
Georgia	9	5	75.5%	0	0	0	0	0	0	9	5
Maryland	29	27	5.1%	0	0	29	27	NM	NM	0	0
North Carolina	10	10	1.4%	0	0	10	10	0	0	0	0
South Carolina	4	5	-9.9%	0	0	0	0	0	0	4	5
Virginia	47	43	10.1%	0	0	28	26	19	16	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2	NM	NM	1	0	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1	0	201.7%	1	0	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	312.2%	0	0	0	0	0	0	0	0
West South Central	75	67	12.4%	0	0	0	0	0	0	75	67
Arkansas	2	2	-21.2%	0	0	0	0	0	0	2	2
Louisiana	36	29	25.2%	0	0	0	0	0	0	36	29
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	36	35	3.2%	0	0	0	0	0	0	36	35
Mountain	54	36	48.5%	4	4	31	17	0	0	19	16
Arizona	0	3	-100.0%	0	0	0	3	0	0	0	0
Colorado	5	6	-2.9%	0	0	NM	2	0	0	4	4
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	29	12	129.8%	0	0	29	12	0	0	0	0
Nevada	4	4	-0.6%	4	4	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	16	12	34.2%	0	0	NM	NM	0	0	16	12
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	79	77	2.0%	0	0	31	31	0	0	48	46
California	64	60	6.4%	0	0	20	20	0	0	44	40
Oregon	4	4	-2.4%	0	0	4	4	0	0	0	0
Washington	11	13	-16.4%	0	0	7	7	0	0	4	6
Pacific Noncontiguous	21	13	64.6%	0	0	3	0	18	13	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	21	13	64.6%	0	0	3	0	18	13	0	0
U.S. Total	1,104	1,087	1.6%	40	30	621	631	100	94	342	332

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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 1.16.B. Net Generation from Other Energy Sources
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	1,165	1,255	-7.2%	0	0	1,100	1,184	51	53	14	18
Connecticut	441	463	-4.6%	0	0	441	462	0	0	NM	NM
Maine	163	229	-28.7%	0	0	112	157	51	53	0	18
Massachusetts	521	523	-0.4%	0	0	508	523	0	0	13	0
New Hampshire	40	41	-3.2%	0	0	40	41	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	1,326	1,393	-4.8%	0	0	1,069	1,182	258	211	0	0
New Jersey	304	318	-4.5%	0	0	221	232	83	86	0	0
New York	511	538	-5.0%	0	0	398	476	113	62	0	0
Pennsylvania	511	537	-4.8%	0	0	450	474	61	64	0	0
East North Central	632	603	4.7%	85	70	108	95	90	109	348	329
Illinois	139	137	1.2%	0	0	0	0	0	0	139	137
Indiana	242	204	18.7%	59	39	0	0	10	11	173	155
Michigan	205	221	-7.1%	6	11	108	95	80	98	12	16
Ohio	6	7	-9.7%	0	0	0	0	0	0	6	7
Wisconsin	39	34	13.6%	21	21	0	0	NM	NM	18	13
West North Central	262	232	12.5%	134	130	92	66	15	14	21	22
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	228	195	17.2%	100	93	92	66	15	14	21	22
Missouri	9	13	-29.6%	9	13	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	25	25	-2.6%	25	25	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,311	2,324	-0.6%	0	0	1,257	1,295	116	108	937	921
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	1,720	1,755	-2.0%	0	0	864	894	0	0	856	861
Georgia	38	27	42.7%	0	0	0	0	0	0	38	27
Maryland	178	168	6.2%	0	0	178	167	NM	NM	0	0
North Carolina	66	63	3.8%	0	0	66	63	0	0	0	0
South Carolina	43	33	30.7%	0	0	0	0	0	0	43	33
Virginia	266	278	-4.4%	0	0	150	171	116	108	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	9	6	62.1%	6	4	0	0	0	0	4	NM
Alabama	1	0	NM	0	0	0	0	0	0	1	0
Kentucky	6	4	46.1%	6	4	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	3.6%	0	0	0	0	0	0	0	0
West South Central	479	426	12.4%	0	0	0	0	0	0	479	426
Arkansas	14	19	-29.1%	0	0	0	0	0	0	14	19
Louisiana	227	181	26.0%	0	0	0	0	0	0	227	181
Oklahoma	6	4	46.1%	0	0	0	0	0	0	6	4
Texas	231	222	4.3%	0	0	0	0	0	0	231	222
Mountain	349	306	14.1%	24	25	213	197	0	0	111	84
Arizona	3	17	-80.6%	0	0	3	17	0	0	0	0
Colorado	35	36	-4.6%	0	0	10	11	0	0	24	26
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	197	166	18.8%	0	0	197	166	0	0	0	0
Nevada	24	25	-3.4%	24	25	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	90	61	46.4%	0	0	NM	NM	0	0	87	59
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	473	525	-10.0%	0	0	203	198	0	0	270	327
California	367	404	-9.0%	0	0	131	124	0	0	236	279
Oregon	26	27	-3.2%	0	0	26	27	0	0	0	0
Washington	79	94	-16.1%	0	0	45	47	0	0	34	47
Pacific Noncontiguous	100	82	21.6%	0	0	3	0	96	82	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	100	82	21.6%	0	0	3	0	96	82	0	0
U.S. Total	7,104	7,153	-0.7%	249	230	4,046	4,217	626	578	2,183	2,128

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	102	75	35.8%	11	NM	89	70	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	57	50	13.3%	0	0	57	50	0	0	0	0
Massachusetts	11	NM	NM	NM	NM	6	NM	NM	NM	0	0
New Hampshire	21	16	32.6%	0	0	21	16	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	13	4	224.2%	8	1	5	3	0	0	0	0
Middle Atlantic	275	240	14.2%	0	0	274	240	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	148	127	17.0%	0	0	147	126	0	0	NM	NM
Pennsylvania	126	113	11.1%	0	0	126	113	0	0	0	0
East North Central	786	604	30.2%	85	56	699	547	NM	NM	NM	NM
Illinois	416	332	25.2%	NM	NM	415	332	0	0	0	0
Indiana	138	113	22.2%	0	0	138	113	NM	NM	0	0
Michigan	114	47	140.6%	45	15	69	32	0	0	0	0
Ohio	49	43	15.0%	NM	NM	47	41	0	0	NM	NM
Wisconsin	69	68	0.6%	38	39	30	29	0	0	0	0
West North Central	2,653	1,978	34.1%	767	622	1,884	1,355	NM	NM	0	0
Iowa	863	643	34.2%	443	337	420	306	NM	NM	0	0
Kansas	658	355	85.6%	70	78	589	276	0	0	0	0
Minnesota	502	376	33.7%	106	82	395	293	NM	NM	0	0
Missouri	59	66	-10.6%	0	0	59	66	0	0	0	0
Nebraska	101	81	24.0%	14	14	86	68	0	0	0	0
North Dakota	313	274	14.4%	100	64	213	209	0	0	0	0
South Dakota	157	184	-14.9%	34	46	123	138	0	0	0	0
South Atlantic	69	103	-33.1%	0	0	69	103	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	14	18	-22.2%	0	0	14	18	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	55	85	-35.5%	0	0	55	85	0	0	0	0
East South Central	2	2	27.4%	0	0	2	2	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	2	2	27.4%	0	0	2	2	0	0	0	0
West South Central	3,185	2,666	19.5%	152	148	3,033	2,517	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	779	570	36.6%	121	119	658	452	0	0	0	0
Texas	2,406	2,096	14.8%	31	30	2,375	2,066	0	0	0	0
Mountain	1,152	916	25.8%	95	85	1,055	829	NM	NM	NM	NM
Arizona	25	14	75.6%	0	0	25	14	0	0	0	0
Colorado	508	370	37.1%	4	3	502	365	NM	NM	NM	NM
Idaho	164	98	67.0%	9	0	155	98	0	0	0	0
Montana	88	58	53.0%	5	NM	84	53	0	0	0	0
Nevada	20	14	46.5%	0	0	20	14	0	0	0	0
New Mexico	125	124	0.2%	0	0	124	124	NM	NM	0	0
Utah	53	56	-5.3%	0	0	53	56	0	0	0	0
Wyoming	169	181	-7.0%	77	77	91	104	0	0	0	0
Pacific Contiguous	2,865	2,100	36.5%	556	418	2,309	1,681	NM	0	NM	0
California	1,461	951	53.6%	124	50	1,336	902	NM	0	NM	0
Oregon	837	687	21.8%	183	159	654	528	0	0	0	0
Washington	568	462	23.0%	248	210	320	252	0	0	0	0
Pacific Noncontiguous	54	40	33.8%	NM	NM	48	39	0	0	0	0
Alaska	NM	NM	NM	NM	NM	NM	0	0	0	0	0
Hawaii	45	39	14.8%	0	0	45	39	0	0	0	0
U.S. Total	11,143	8,724	27.7%	1,672	1,335	9,463	7,384	NM	NM	NM	NM

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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 1.17.B. Net Generation from Wind
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	1,065	802	32.8%	101	45	954	750	10	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	589	525	12.3%	0	0	589	525	0	0	0	0
Massachusetts	110	51	115.5%	33	37	67	NM	10	NM	0	0
New Hampshire	230	166	38.4%	0	0	230	166	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	134	58	131.1%	67	7	67	51	0	0	0	0
Middle Atlantic	4,154	3,137	32.4%	0	0	4,148	3,131	0	0	NM	NM
New Jersey	9	8	3.0%	0	0	9	8	0	0	0	0
New York	2,077	1,824	13.9%	0	0	2,072	1,818	0	0	NM	NM
Pennsylvania	2,068	1,304	58.5%	0	0	2,068	1,304	0	0	0	0
East North Central	10,956	8,850	23.8%	1,105	770	9,839	8,071	NM	NM	11	NM
Illinois	5,850	4,698	24.5%	9	9	5,841	4,689	0	0	0	0
Indiana	2,107	1,992	5.8%	0	0	2,106	1,990	NM	NM	0	0
Michigan	1,379	610	125.9%	520	171	859	439	0	0	0	0
Ohio	680	597	13.9%	10	10	659	579	0	0	11	NM
Wisconsin	941	953	-1.3%	567	579	374	374	0	0	0	0
West North Central	25,930	22,124	17.2%	8,221	7,165	17,693	14,942	16	17	0	0
Iowa	9,289	8,292	12.0%	5,160	4,365	4,127	3,924	NM	NM	0	0
Kansas	5,437	2,729	99.2%	514	599	4,922	2,130	0	0	0	0
Minnesota	4,726	4,552	3.8%	1,076	911	3,636	3,626	14	15	0	0
Missouri	723	778	-7.1%	0	0	723	778	0	0	0	0
Nebraska	982	741	32.7%	124	118	859	622	0	0	0	0
North Dakota	3,199	3,259	-1.9%	988	762	2,211	2,497	0	0	0	0
South Dakota	1,575	1,772	-11.2%	359	409	1,216	1,364	0	0	0	0
South Atlantic	1,118	1,046	6.9%	0	0	1,115	1,043	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	205	194	5.6%	0	0	205	194	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	910	849	7.2%	0	0	910	849	0	0	0	0
East South Central	28	28	-0.1%	0	0	28	28	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	28	28	-0.1%	0	0	28	28	0	0	0	0
West South Central	29,315	23,992	22.2%	1,164	1,138	28,151	22,854	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	6,416	4,628	38.6%	969	943	5,447	3,685	0	0	0	0
Texas	22,899	19,364	18.3%	195	195	22,704	19,169	0	0	0	0
Mountain	11,455	10,173	12.6%	1,334	1,248	10,108	8,915	11	9	NM	NM
Arizona	312	175	78.2%	0	0	312	175	0	0	0	0
Colorado	4,305	3,726	15.5%	45	41	4,249	3,676	8	6	NM	NM
Idaho	1,516	1,057	43.5%	74	0	1,443	1,057	0	0	0	0
Montana	941	739	27.4%	54	58	887	680	0	0	0	0
Nevada	153	14	992.6%	0	0	153	14	0	0	0	0
New Mexico	1,381	1,362	1.3%	0	0	1,378	1,360	NM	NM	0	0
Utah	315	462	-31.9%	0	0	315	462	0	0	0	0
Wyoming	2,532	2,638	-4.0%	1,161	1,148	1,371	1,490	0	0	0	0
Pacific Contiguous	18,269	14,531	25.7%	3,609	3,467	14,657	11,065	NM	0	NM	0
California	9,005	6,335	42.1%	567	394	8,435	5,941	NM	0	NM	0
Oregon	4,821	3,876	24.4%	921	897	3,900	2,979	0	0	0	0
Washington	4,444	4,320	2.9%	2,121	2,176	2,322	2,145	0	0	0	0
Pacific Noncontiguous	348	235	47.9%	22	9	326	226	0	0	0	0
Alaska	64	9	589.3%	22	9	42	0	0	0	0	0
Hawaii	284	226	25.6%	0	0	284	226	0	0	0	0
U.S. Total	102,640	84,919	20.9%	15,556	13,841	87,020	71,025	43	37	21	15

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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, July 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	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	677	662	2.3%	57	41	403	417	NM	NM	207	194
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	313	363	-13.8%	0	0	NM	160	NM	NM	151	194
Massachusetts	158	NM	NM	0	0	NM	NM	NM	0	56	0
New Hampshire	NM	87	NM	33	21	NM	66	0	0	0	NM
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	NM	35	NM	24	20	NM	15	NM	NM	0	0
Middle Atlantic	481	469	2.5%	0	0	374	367	47	44	NM	NM
New Jersey	80	82	-2.0%	0	0	67	59	13	22	0	0
New York	206	189	8.8%	0	0	161	158	23	11	22	20
Pennsylvania	195	199	-1.7%	0	0	146	149	11	11	NM	NM
East North Central	516	521	-1.1%	56	54	302	310	NM	NM	NM	132
Illinois	57	59	-3.1%	0	0	57	59	0	NM	0	0
Indiana	30	31	-2.1%	26	27	0	0	NM	2	NM	2
Michigan	216	227	-4.7%	NM	0	149	155	NM	NM	NM	NM
Ohio	55	59	-7.8%	0	0	NM	28	0	0	NM	NM
Wisconsin	158	146	8.4%	NM	27	69	69	NM	NM	NM	49
West North Central	182	187	-2.4%	48	49	89	90	NM	5	42	43
Iowa	15	14	4.1%	NM	3	NM	8	NM	3	2	1
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	151	155	-2.4%	38	38	73	75	NM	NM	NM	NM
Missouri	NM	5	NM	NM	3	NM	NM	0	0	NM	NM
Nebraska	NM	6	NM	NM	5	0	0	NM	NM	0	0
North Dakota	0	NM	NM	0	0	0	0	0	0	0	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,335	1,342	-0.5%	103	89	408	408	NM	NM	793	816
Delaware	NM	13	NM	0	0	NM	13	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	382	403	-5.2%	8	9	182	207	NM	3	188	183
Georgia	328	296	11.0%	0	0	NM	NM	NM	2	274	279
Maryland	51	50	2.8%	0	NM	34	31	NM	NM	13	13
North Carolina	191	202	-5.5%	0	0	78	86	0	0	113	116
South Carolina	NM	175	NM	NM	45	NM	NM	0	0	114	129
Virginia	218	205	6.7%	52	NM	56	54	22	18	90	97
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	538	NM	NM	9	NM	NM	0	0	NM	510
Alabama	NM	288	NM	NM	NM	16	17	0	0	NM	270
Kentucky	NM	38	NM	NM	9	0	0	0	0	16	30
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	NM	89	NM	0	0	NM	NM	0	0	NM	87
West South Central	535	504	6.0%	0	0	57	92	NM	4	474	408
Arkansas	NM	141	NM	0	0	NM	8	NM	NM	138	133
Louisiana	NM	168	NM	0	0	NM	7	0	0	220	NM
Oklahoma	NM	26	NM	0	0	0	0	0	0	NM	26
Texas	139	169	-18.0%	0	0	44	78	NM	3	NM	88
Mountain	57	72	-20.8%	NM	2	22	37	0	NM	NM	NM
Arizona	NM	18	NM	NM	2	NM	NM	0	NM	0	0
Colorado	NM	6	NM	0	0	NM	6	0	0	0	0
Idaho	NM	42	NM	0	0	NM	9	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	788	744	5.9%	53	47	431	423	95	91	209	183
California	566	560	1.1%	15	21	395	388	93	89	63	62
Oregon	72	62	16.7%	NM	6	NM	27	NM	2	36	26
Washington	150	123	22.3%	NM	20	NM	8	0	0	110	95
Pacific Noncontiguous	28	25	11.3%	1	2	0	0	18	13	NM	10
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	28	25	11.9%	1	2	0	0	18	13	NM	10
U.S. Total	5,127	5,065	1.2%	329	293	2,104	2,164	NM	222	2,471	2,386

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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.B. Net Generation from Biomass
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	4,265	4,158	2.6%	377	304	2,579	2,644	NM	NM	1,242	1,146
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	1,909	2,123	-10.0%	0	0	925	915	NM	NM	920	1,146
Massachusetts	998	699	42.7%	0	0	675	698	NM	NM	323	0
New Hampshire	629	629	0.0%	204	185	425	444	0	0	NM	NM
Rhode Island	71	74	-3.9%	0	0	71	74	0	0	0	0
Vermont	269	222	21.2%	173	119	95	101	NM	NM	0	0
Middle Atlantic	3,059	3,133	-2.4%	0	0	2,357	2,427	300	296	NM	NM
New Jersey	517	539	-4.2%	0	0	428	388	89	151	0	0
New York	1,201	1,213	-1.0%	0	0	925	1,003	137	70	139	140
Pennsylvania	1,340	1,380	-2.9%	0	0	1,005	1,035	73	75	NM	NM
East North Central	3,272	3,374	-3.0%	335	327	1,886	1,951	NM	NM	939	967
Illinois	371	393	-5.4%	0	0	371	393	0	NM	0	0
Indiana	196	203	-3.5%	172	179	0	0	NM	12	NM	12
Michigan	1,342	1,413	-5.0%	NM	NM	896	937	NM	NM	NM	366
Ohio	370	401	-7.6%	0	0	178	184	0	0	NM	217
Wisconsin	992	965	2.8%	162	147	441	437	NM	NM	381	372
West North Central	1,190	1,191	-0.1%	290	277	580	596	29	31	291	288
Iowa	92	96	-4.3%	17	17	51	53	18	18	6	8
Kansas	34	36	-3.9%	0	0	34	36	0	0	0	0
Minnesota	991	979	1.2%	224	209	482	494	NM	5	NM	272
Missouri	NM	NM	NM	20	20	13	14	0	0	NM	NM
Nebraska	37	39	-4.4%	30	31	0	0	NM	8	0	0
North Dakota	NM	5	NM	0	0	0	0	0	0	NM	5
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	8,730	8,821	-1.0%	567	550	2,646	2,686	200	190	5,317	5,395
Delaware	36	72	-50.2%	0	0	36	72	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,588	2,626	-1.4%	53	46	1,268	1,361	21	23	1,246	1,197
Georgia	1,994	1,933	3.2%	0	0	212	93	15	14	1,768	1,826
Maryland	312	311	0.3%	NM	NM	213	194	27	37	72	81
North Carolina	1,342	1,361	-1.4%	0	0	576	597	0	0	766	764
South Carolina	1,118	1,260	-11.3%	268	299	12	13	0	0	839	948
Virginia	1,338	1,257	6.5%	246	205	329	357	137	116	627	579
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	3,386	3,492	-3.0%	57	58	125	129	0	0	3,204	3,305
Alabama	NM	1,882	NM	NM	NM	113	116	0	0	NM	1,766
Kentucky	189	203	-6.8%	56	58	0	0	0	0	134	146
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	550	571	-3.7%	0	0	12	13	0	0	538	559
West South Central	3,516	3,428	2.6%	0	0	387	467	23	25	3,106	2,936
Arkansas	973	975	-0.3%	0	0	43	51	NM	3	927	921
Louisiana	1,466	1,307	12.2%	0	0	43	45	0	0	1,423	NM
Oklahoma	168	171	-1.5%	0	0	0	0	0	0	168	171
Texas	910	975	-6.7%	0	0	301	371	20	22	588	582
Mountain	432	494	-12.6%	15	14	181	245	NM	3	NM	233
Arizona	64	122	-47.4%	14	14	NM	106	NM	3	0	0
Colorado	39	38	2.8%	2	0	37	38	0	0	0	0
Idaho	290	294	-1.3%	0	0	56	61	0	0	NM	233
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	6	NM	0	0	NM	6	0	0	0	0
Utah	34	35	-3.3%	0	0	34	35	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,000	4,857	2.9%	326	312	2,675	2,674	635	628	1,364	1,243
California	3,595	3,632	-1.0%	115	142	2,451	2,469	619	613	411	408
Oregon	483	389	24.2%	40	42	172	151	16	15	255	182
Washington	921	835	10.3%	171	128	52	54	0	0	698	653
Pacific Noncontiguous	175	166	5.4%	12	13	0	0	100	85	62	68
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	174	164	5.9%	12	13	0	0	100	85	61	66
U.S. Total	33,024	33,114	-0.3%	1,979	1,855	13,417	13,818	1,465	1,451	16,162	15,990

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	261	277	-5.7%	22	21	239	256	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	7	7	-0.8%	0	0	7	7	0	0	0	0
Montana	0	14	-100.0%	0	0	0	14	0	0	0	0
Nevada	226	229	-1.2%	0	0	226	229	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	28	27	3.4%	22	21	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,158	1,121	3.3%	74	74	1,084	1,046	0	0	0	0
California	1,147	1,121	2.3%	74	74	1,073	1,046	0	0	0	0
Oregon	11	0	--	0	0	11	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	23	9.9%	0	0	25	23	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	23	9.9%	0	0	25	23	0	0	0	0
U.S. Total	1,444	1,421	1.6%	96	96	1,348	1,325	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 1.19.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	1,882	1,805	4.3%	134	155	1,748	1,650	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	47	48	-2.3%	0	0	47	48	0	0	0	0
Montana	0	28	-100.0%	0	0	0	28	0	0	0	0
Nevada	1,661	1,532	8.4%	0	0	1,661	1,532	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	174	196	-11.1%	134	155	41	41	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,790	7,767	0.3%	477	504	7,313	7,263	0	0	0	0
California	7,698	7,767	-0.9%	477	504	7,221	7,263	0	0	0	0
Oregon	92	0	--	0	0	92	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	158	154	2.8%	0	0	158	154	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	158	154	2.8%	0	0	158	154	0	0	0	0
U.S. Total	9,830	9,725	1.1%	611	658	9,219	9,067	0	0	0	0

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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, July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	56	49	13.7%	NM	NM	43	39	NM	NM	NM	NM
New Jersey	45	40	10.8%	NM	NM	32	32	NM	NM	NM	NM
New York	5	6	-5.6%	0	0	5	5	0	NM	0	0
Pennsylvania	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
East North Central	NM	NM	NM	NM	NM	NM	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	72	38	88.1%	20	19	46	19	NM	NM	0	0
Delaware	NM	NM	NM	0	NM	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	24	25	-4.5%	19	18	NM	NM	NM	0	0	0
Georgia	NM	NM	NM	0	0	NM	0	NM	NM	0	0
Maryland	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
North Carolina	36	NM	NM	0	NM	31	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	NM	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	NM	0	0	0
West South Central	17	18	-3.6%	0	0	17	18	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	17	18	-3.6%	0	0	17	18	NM	0	0	0
Mountain	274	213	28.4%	22	16	247	192	NM	6	NM	NM
Arizona	161	105	53.4%	NM	16	142	89	NM	NM	0	0
Colorado	16	20	-20.3%	0	0	15	19	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	64	47	34.1%	0	0	60	43	NM	4	NM	NM
New Mexico	33	40	-18.2%	NM	0	28	40	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	349	187	86.8%	37	33	305	150	NM	NM	NM	NM
California	347	186	86.9%	36	32	303	149	NM	NM	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	1.0%	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	794	522	52.2%	86	75	680	431	27	14	NM	NM

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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 July 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	61	19	225.1%	NM	NM	55	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	52	16	227.6%	NM	NM	45	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	336	265	26.9%	31	33	258	212	42	14	NM	NM
New Jersey	261	210	24.5%	31	33	188	163	41	13	NM	NM
New York	33	35	-5.9%	0	0	33	34	NM	NM	0	0
Pennsylvania	42	20	107.8%	0	0	38	15	0	NM	NM	NM
East North Central	65	36	82.7%	NM	NM	56	35	NM	0	0	0
Illinois	34	14	144.4%	0	0	34	14	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	28	22	29.2%	NM	NM	19	21	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	387	196	97.4%	114	108	239	86	34	NM	0	0
Delaware	33	18	85.6%	NM	NM	32	16	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	145	142	2.6%	110	104	34	38	NM	0	0	0
Georgia	NM	NM	NM	0	0	NM	0	NM	NM	0	0
Maryland	38	NM	NM	NM	NM	30	NM	NM	NM	0	0
North Carolina	168	25	573.7%	NM	NM	142	24	26	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	NM	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	NM	0	0	0
West South Central	99	75	32.3%	0	0	97	75	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	99	75	32.3%	0	0	97	75	NM	0	0	0
Mountain	1,722	969	77.6%	134	83	1,558	854	29	32	NM	NM
Arizona	968	413	134.2%	117	83	848	328	NM	NM	0	0
Colorado	106	101	5.6%	0	0	100	93	6	7	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	431	257	68.0%	0	0	410	234	21	22	NM	NM
New Mexico	215	198	8.7%	NM	0	198	198	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,776	850	108.9%	205	125	1,522	702	46	23	NM	NM
California	1,761	844	108.8%	200	122	1,512	698	46	23	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	1	-8.1%	0	1	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	4,470	2,412	85.3%	496	357	3,808	1,975	157	73	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-July 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
May	64,814	48,404	16,004	27	379
June	75,241	56,096	18,723	29	393
July	83,466	61,595	21,416	30	425
Year to Date					
2011	555,577	411,665	140,329	225	3,358
2012	464,482	347,955	113,443	184	2,900
2013	497,269	368,917	125,508	197	2,646
Rolling 12 Months Ending in July					
2012	843,843	625,605	212,655	306	5,277
2013	859,487	637,464	216,929	323	4,772

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-July 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
May	1,562	0	283	93	1,185
June	1,520	0	277	82	1,160
July	1,579	0	284	80	1,215
Year to Date					
2011	12,824	0	2,172	825	9,827
2012	11,807	0	2,021	722	9,064
2013	11,323	0	1,924	697	8,702
Rolling 12 Months Ending in July					
2012	20,515	0	3,476	1,218	15,822
2013	19,838	0	3,296	1,213	15,328

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-July 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
May	66,376	48,404	16,287	120	1,564
June	76,761	56,096	18,999	111	1,554
July	85,045	61,595	21,700	110	1,640
Year to Date					
2011	568,401	411,665	142,502	1,050	13,185
2012	476,289	347,955	115,464	906	11,965
2013	508,591	368,917	127,432	894	11,348
Rolling 12 Months Ending in July					
2012	864,358	625,605	216,130	1,524	21,098
2013	879,325	637,464	220,225	1,536	20,100

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-July 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
May	1,753	1,379	312	9	53
June	1,667	1,290	330	9	38
July	2,647	1,860	729	16	NM
Year to Date					
2011	17,584	13,161	3,910	80	433
2012	13,749	10,787	2,500	72	390
2013	13,889	10,105	3,362	84	338
Rolling 12 Months Ending in July					
2012	23,491	18,470	4,223	NM	673
2013	22,663	17,078	4,872	NM	NM

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-July 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
May	238	0	88	9	142
June	211	0	82	10	119
July	237	0	86	17	NM
Year to Date					
2011	2,373	0	576	127	1,669
2012	1,636	0	532	70	1,035
2013	1,616	0	559	87	970
Rolling 12 Months Ending in July					
2012	3,088	0	960	NM	2,019
2013	2,690	0	977	NM	NM

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-July 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
May	1,991	1,379	400	18	194
June	1,877	1,290	412	18	156
July	2,885	1,860	815	33	NM
Year to Date					
2011	19,957	13,161	4,486	208	2,103
2012	15,385	10,787	3,032	142	1,425
2013	15,505	10,105	3,920	171	1,309
Rolling 12 Months Ending in July					
2012	26,579	18,470	5,183	NM	2,692
2013	25,353	17,078	5,849	NM	NM

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 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2003-July 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
May	464	361	42	0	62
June	470	348	63	0	59
July	467	337	72	0	57
Year to Date					
2011	3,135	2,150	823	1	161
2012	2,056	1,254	417	1	384
2013	2,777	1,972	439	1	365
Rolling 12 Months Ending in July					
2012	3,934	2,553	871	1	509
2013	4,273	2,830	737	1	704

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 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-July 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
May	68	0	8	0	59
June	75	0	6	0	69
July	86	0	10	0	77
Year to Date					
2011	634	0	64	4	565
2012	735	0	67	5	664
2013	675	0	63	5	608
Rolling 12 Months Ending in July					
2012	1,181	0	114	7	1,060
2013	1,198	0	109	11	1,079

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 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-July 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
May	532	361	50	0	121
June	545	348	69	0	128
July	553	337	82	0	134
Year to Date					
2011	3,768	2,150	888	4	727
2012	2,791	1,254	484	6	1,048
2013	3,452	1,972	502	5	973
Rolling 12 Months Ending in July					
2012	5,115	2,553	985	8	1,569
2013	5,472	2,830	846	12	1,783

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 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2003-July 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
May	641,849	283,756	304,947	3,779	49,367
June	765,969	347,954	362,775	3,934	51,306
July	937,994	414,068	465,169	4,501	54,255
Year to Date					
2011	4,410,854	1,938,259	2,120,314	26,134	326,147
2012	5,670,886	2,465,981	2,829,125	29,165	346,614
2013	4,820,102	2,123,610	2,310,866	28,100	357,526
Rolling 12 Months Ending in July					
2012	9,143,897	3,973,809	4,527,918	50,201	591,968
2013	8,614,424	3,773,138	4,175,997	47,954	617,336

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.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2003-July 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
May	73,586	0	25,934	3,283	44,369
June	69,714	0	24,964	3,198	41,553
July	74,912	0	27,376	3,916	43,620
Year to Date					
2011	480,640	0	178,271	21,981	280,388
2012	526,533	0	192,927	26,409	307,198
2013	516,190	0	183,676	24,570	307,944
Rolling 12 Months Ending in July					
2012	885,574	0	323,325	44,284	517,965
2013	894,587	0	317,730	43,059	533,798

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 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-July 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
May	715,436	283,756	330,881	7,062	93,737
June	835,684	347,954	387,739	7,132	92,859
July	1,012,905	414,068	492,545	8,416	97,876
Year to Date					
2011	4,891,494	1,938,259	2,298,586	48,115	606,535
2012	6,197,419	2,465,981	3,022,052	55,574	653,812
2013	5,336,292	2,123,610	2,494,541	52,670	665,470
Rolling 12 Months Ending in July					
2012	10,029,471	3,973,809	4,851,243	94,485	1,109,934
2013	9,509,011	3,773,138	4,493,726	91,013	1,151,134

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, July 2013 and July 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	379	259	46.0%	70	85	307	174	0	0	1	1
Connecticut	56	13	313.0%	0	0	56	13	0	0	0	0
Maine	1	1	-12.0%	0	0	0	0	0	0	0	0
Massachusetts	252	160	57.0%	0	0	252	160	0	0	NM	NM
New Hampshire	70	85	-17.0%	70	85	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	4,736	5,144	-7.9%	NM	NM	4,711	5,091	NM	NM	24	50
New Jersey	108	232	-53.0%	0	0	108	232	0	0	0	0
New York	289	404	-28.0%	NM	NM	281	394	0	0	6	7
Pennsylvania	4,339	4,509	-3.8%	0	0	4,322	4,465	NM	NM	17	43
East North Central	18,583	19,280	-3.6%	13,561	13,539	4,924	5,641	9	10	88	90
Illinois	4,718	4,984	-5.3%	589	643	4,069	4,280	NM	NM	59	60
Indiana	4,612	4,817	-4.3%	4,353	4,600	253	212	4	5	NM	1
Michigan	3,049	3,042	0.2%	3,020	3,017	20	17	2	4	7	4
Ohio	3,753	4,266	-12.0%	3,164	3,126	582	1,132	NM	NM	5	7
Wisconsin	2,451	2,171	13.0%	2,434	2,154	0	0	NM	NM	16	18
West North Central	13,518	13,931	-3.0%	13,366	13,783	0	0	11	9	141	139
Iowa	2,139	2,318	-7.7%	2,061	2,239	0	0	6	5	73	75
Kansas	1,918	1,896	1.2%	1,918	1,896	0	0	0	0	0	0
Minnesota	1,300	1,385	-6.1%	1,262	1,346	0	0	NM	NM	37	37
Missouri	4,332	4,498	-3.7%	4,325	4,493	0	0	4	2	3	3
Nebraska	1,528	1,456	5.0%	1,508	1,439	0	0	0	0	21	17
North Dakota	2,134	2,184	-2.3%	2,126	2,177	0	0	0	0	8	7
South Dakota	166	194	-15.0%	166	194	0	0	0	0	0	0
South Atlantic	11,990	13,649	-12.0%	9,813	11,289	2,120	2,301	1	2	56	57
Delaware	100	99	0.8%	0	0	100	99	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,107	2,083	1.1%	2,030	1,988	72	90	0	0	5	5
Georgia	2,249	2,522	-11.0%	2,240	2,513	0	0	0	0	9	9
Maryland	816	988	-17.0%	0	0	812	985	0	0	3	4
North Carolina	2,028	2,589	-22.0%	1,952	2,506	71	77	0	1	5	5
South Carolina	922	1,390	-34.0%	915	1,383	0	0	0	0	7	7
Virginia	1,105	1,080	2.3%	1,030	971	63	96	NM	NM	11	12
West Virginia	2,664	2,898	-8.1%	1,646	1,928	1,002	954	0	0	16	15
East South Central	7,874	9,459	-17.0%	7,513	9,092	333	339	NM	NM	27	28
Alabama	2,234	2,737	-18.0%	2,229	2,730	0	3	0	0	5	5
Kentucky	3,389	3,847	-12.0%	3,389	3,847	0	0	0	0	0	0
Mississippi	684	707	-3.3%	351	372	333	335	0	0	0	0
Tennessee	1,566	2,167	-28.0%	1,543	2,143	0	0	NM	NM	22	23
West South Central	15,599	15,080	3.4%	8,011	7,793	7,571	7,243	0	0	18	43
Arkansas	1,905	1,487	28.0%	1,652	1,254	252	232	0	0	1	2
Louisiana	1,289	1,621	-20.0%	779	850	510	771	0	0	0	NM
Oklahoma	1,904	1,948	-2.2%	1,782	1,808	106	121	0	0	17	19
Texas	10,501	10,023	4.8%	3,799	3,881	6,702	6,120	0	0	0	22
Mountain	10,138	9,630	5.3%	9,238	8,807	839	742	0	0	61	81
Arizona	2,106	1,866	13.0%	2,106	1,857	0	0	0	0	0	9
Colorado	1,720	1,895	-9.2%	1,717	1,891	3	4	0	0	0	0
Idaho	2	2	7.1%	0	0	0	0	0	0	2	2
Montana	711	629	13.0%	NM	NM	684	602	0	0	NM	NM
Nevada	345	291	19.0%	273	230	72	61	0	0	0	0
New Mexico	1,297	1,374	-5.6%	1,297	1,374	0	0	0	0	0	0
Utah	1,400	1,365	2.5%	1,324	1,280	NM	NM	0	0	40	53
Wyoming	2,556	2,208	16.0%	2,495	2,149	NM	NM	0	0	19	17
Pacific Contiguous	542	128	324.0%	5	70	529	50	0	0	8	8
California	63	57	8.9%	0	0	56	50	0	0	7	7
Oregon	5	70	-93.0%	5	70	0	0	0	0	0	0
Washington	475	1	NM	0	0	474	0	0	0	1	1
Pacific Noncontiguous	108	108	-0.7%	17	16	81	83	7	7	NM	NM
Alaska	43	41	4.0%	17	16	18	18	7	7	0	0
Hawaii	65	67	-3.5%	0	0	63	65	0	0	NM	NM
U.S. Total	83,466	86,667	-3.7%	61,595	64,476	21,416	21,662	30	30	425	500

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 July 2013 and July 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	1,893	867	118.0%	472	321	1,413	540	0	0	9	6
Connecticut	262	46	469.0%	0	0	262	46	0	0	0	0
Maine	9	6	65.0%	0	0	4	3	0	0	5	3
Massachusetts	1,150	494	133.0%	0	0	1,146	491	0	0	4	4
New Hampshire	472	321	47.0%	472	321	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	28,152	25,288	11.0%	NM	NM	27,939	24,970	1	0	205	312
New Jersey	557	514	8.2%	0	0	557	514	0	0	0	0
New York	1,666	1,158	44.0%	NM	NM	1,618	1,111	0	0	41	42
Pennsylvania	25,929	23,615	9.8%	0	0	25,764	23,345	1	0	165	270
East North Central	112,536	104,313	7.9%	80,239	72,007	31,666	31,686	62	60	569	560
Illinois	29,747	27,978	6.3%	3,768	3,768	25,615	23,843	11	7	353	360
Indiana	26,735	26,718	0.1%	25,135	24,817	1,570	1,873	23	21	8	7
Michigan	18,238	16,637	9.6%	18,043	16,468	127	118	18	22	51	29
Ohio	24,043	22,589	6.4%	19,642	16,687	4,354	5,853	8	8	39	42
Wisconsin	13,772	10,391	33.0%	13,651	10,267	0	0	2	2	119	122
West North Central	80,352	76,888	4.5%	79,396	75,973	0	0	64	49	892	866
Iowa	12,118	12,283	-1.3%	11,612	11,797	0	0	32	26	474	460
Kansas	10,974	9,836	12.0%	10,974	9,836	0	0	0	0	0	0
Minnesota	7,876	7,486	5.2%	7,634	7,233	0	0	13	12	229	241
Missouri	26,179	24,486	6.9%	26,141	24,462	0	0	19	11	19	13
Nebraska	8,959	8,391	6.8%	8,837	8,284	0	0	0	0	123	107
North Dakota	13,114	13,390	-2.1%	13,067	13,345	0	0	0	0	47	45
South Dakota	1,132	1,016	11.0%	1,132	1,016	0	0	0	0	0	0
South Atlantic	67,133	67,246	-0.2%	55,363	56,550	11,435	10,332	10	10	325	354
Delaware	415	355	17.0%	0	0	415	355	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11,808	11,210	5.3%	11,470	10,794	312	389	0	0	26	28
Georgia	11,616	12,558	-7.5%	11,554	12,492	0	0	0	0	62	66
Maryland	3,922	3,595	9.1%	0	0	3,898	3,571	0	0	23	25
North Carolina	11,187	12,414	-9.9%	10,793	11,980	363	402	5	4	27	28
South Carolina	5,747	7,110	-19.0%	5,710	7,053	0	14	0	0	37	43
Virginia	5,587	3,810	47.0%	5,192	3,397	327	338	5	6	62	70
West Virginia	16,851	16,194	4.1%	10,644	10,835	6,120	5,265	0	0	87	95
East South Central	50,741	47,431	7.0%	48,853	45,555	1,697	1,693	3	3	188	181
Alabama	13,842	12,462	11.0%	13,812	12,421	0	12	0	0	30	29
Kentucky	22,964	22,360	2.7%	22,964	22,360	0	0	0	0	0	0
Mississippi	3,333	3,068	8.6%	1,636	1,386	1,697	1,681	0	0	0	0
Tennessee	10,603	9,542	11.0%	10,442	9,388	0	0	3	3	158	152
West South Central	87,455	82,272	6.3%	45,174	43,955	42,186	38,046	0	0	94	270
Arkansas	10,820	10,140	6.7%	9,466	8,635	1,339	1,491	0	0	15	14
Louisiana	8,244	7,862	4.9%	3,889	4,110	4,354	3,751	0	0	NM	NM
Oklahoma	10,521	10,780	-2.4%	9,839	10,114	604	576	0	0	78	91
Texas	57,869	53,489	8.2%	21,980	21,096	35,890	32,228	0	0	0	164
Mountain	65,316	58,264	12.0%	58,254	52,921	6,756	5,052	0	0	306	291
Arizona	13,307	12,063	10.0%	13,303	12,021	0	0	0	0	4	42
Colorado	10,997	10,851	1.3%	10,979	10,831	18	19	0	0	0	0
Idaho	10	9	15.0%	0	0	0	0	0	0	10	9
Montana	5,988	4,412	36.0%	164	158	5,819	4,249	0	0	5	4
Nevada	1,760	878	100.0%	1,332	566	428	311	0	0	0	0
New Mexico	8,477	8,056	5.2%	8,477	8,056	0	0	0	0	0	0
Utah	8,865	7,660	16.0%	8,476	7,344	221	198	0	0	169	118
Wyoming	15,912	14,336	11.0%	15,524	13,943	270	274	0	0	118	119
Pacific Contiguous	3,036	1,175	158.0%	1,056	546	1,930	579	0	0	50	50
California	281	356	-21.0%	0	0	236	311	0	0	46	45
Oregon	1,056	546	93.0%	1,056	546	0	0	0	0	0	0
Washington	1,698	273	522.0%	0	0	1,694	268	0	0	4	5
Pacific Noncontiguous	655	738	-11.0%	101	121	488	545	58	62	9	10
Alaska	278	308	-9.8%	101	121	119	124	58	62	0	0
Hawaii	378	430	-12.0%	0	0	369	420	0	0	9	10
U.S. Total	497,269	464,482	7.1%	368,917	347,955	125,508	113,443	197	184	2,646	2,900

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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, July 2013 and July 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	208	146	43.0%	46	22	149	109	10	13	2	2
Connecticut	76	55	39.0%	NM	NM	75	54	NM	0	NM	NM
Maine	49	36	35.0%	NM	NM	46	33	NM	NM	1	2
Massachusetts	48	34	42.0%	17	5	28	22	NM	7	NM	NM
New Hampshire	25	14	81.0%	23	12	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	639	467	37.0%	291	253	339	205	3	NM	6	7
New Jersey	40	16	143.0%	NM	NM	38	15	NM	NM	NM	NM
New York	478	324	48.0%	289	252	181	64	3	NM	5	6
Pennsylvania	121	127	-5.0%	NM	NM	120	127	0	NM	NM	NM
East North Central	106	150	-29.0%	77	128	27	20	NM	NM	2	2
Illinois	14	12	17.0%	5	4	9	8	NM	NM	NM	NM
Indiana	19	26	-29.0%	17	25	NM	NM	NM	NM	1	1
Michigan	21	30	-30.0%	20	29	0	0	NM	NM	0	0
Ohio	48	55	-13.0%	30	43	18	11	NM	NM	0	0
Wisconsin	5	27	-81.0%	5	27	0	0	NM	NM	NM	NM
West North Central	46	67	-31.0%	45	66	NM	NM	NM	NM	0	NM
Iowa	13	18	-29.0%	12	18	NM	NM	NM	NM	NM	NM
Kansas	6	3	115.0%	6	3	0	0	0	0	0	0
Minnesota	6	17	-66.0%	5	16	0	NM	NM	NM	NM	NM
Missouri	12	19	-37.0%	12	19	NM	NM	NM	NM	0	0
Nebraska	2	NM	NM	2	NM	0	0	0	0	0	0
North Dakota	7	NM	NM	7	NM	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	396	627	-37.0%	308	505	78	106	NM	NM	NM	15
Delaware	13	10	28.0%	NM	NM	12	9	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	93	258	-64.0%	91	231	NM	25	0	0	NM	NM
Georgia	NM	19	NM	8	10	NM	NM	NM	NM	NM	8
Maryland	51	42	24.0%	NM	NM	49	40	NM	NM	0	NM
North Carolina	NM	24	NM	39	21	NM	NM	NM	NM	NM	NM
South Carolina	40	18	116.0%	38	17	0	0	NM	NM	2	1
Virginia	108	237	-55.0%	91	204	15	31	NM	0	NM	2
West Virginia	38	20	94.0%	38	20	0	0	0	0	0	0
East South Central	NM	52	NM	45	46	NM	NM	0	0	NM	6
Alabama	NM	16	NM	8	11	NM	NM	0	0	NM	5
Kentucky	21	18	18.0%	21	18	0	0	0	0	0	0
Mississippi	1	2	-44.0%	1	2	0	0	0	0	0	0
Tennessee	15	15	-2.9%	15	15	0	0	0	0	NM	NM
West South Central	142	21	563.0%	130	7	10	12	NM	NM	NM	NM
Arkansas	125	NM	NM	124	1	1	0	0	0	NM	NM
Louisiana	NM	5	NM	NM	NM	6	1	0	0	1	1
Oklahoma	1	1	-45.0%	0	1	0	0	NM	NM	0	0
Texas	NM	15	NM	NM	NM	4	11	NM	NM	NM	NM
Mountain	26	34	-24.0%	25	27	NM	7	NM	NM	NM	NM
Arizona	5	5	7.2%	5	5	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	6	NM	NM	NM	1	6	0	0	0	0
Nevada	3	5	-52.0%	2	4	0	1	0	0	0	0
New Mexico	5	5	2.0%	5	5	NM	NM	0	0	0	0
Utah	4	6	-35.0%	4	6	0	NM	0	0	0	0
Wyoming	6	6	-6.8%	6	6	0	0	0	0	NM	NM
Pacific Contiguous	15	12	30.0%	9	10	4	NM	NM	NM	2	2
California	8	6	31.0%	6	5	1	0	NM	NM	NM	NM
Oregon	1	3	-60.0%	1	3	0	0	NM	NM	0	0
Washington	6	3	133.0%	3	NM	2	NM	NM	NM	2	2
Pacific Noncontiguous	1,020	1,100	-7.3%	883	977	120	110	1	NM	15	12
Alaska	119	190	-38.0%	109	182	0	0	NM	NM	9	7
Hawaii	901	910	-1.0%	774	795	120	110	1	0	5	5
U.S. Total	2,647	2,677	-1.1%	1,860	2,042	729	571	16	17	NM	47

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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.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through July 2013 and July 2012 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	1,201	601	100.0%	216	84	909	447	54	45	22	25
Connecticut	371	178	109.0%	4	NM	364	171	NM	0	NM	NM
Maine	326	143	128.0%	NM	NM	309	115	NM	NM	11	23
Massachusetts	331	201	64.0%	91	21	211	160	20	20	9	NM
New Hampshire	111	46	140.0%	102	39	NM	NM	9	7	NM	NM
Rhode Island	37	NM	NM	9	NM	25	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	1,864	1,068	74.0%	707	429	1,092	583	NM	NM	47	43
New Jersey	139	40	247.0%	NM	NM	135	35	NM	NM	NM	NM
New York	1,328	670	98.0%	705	425	565	194	NM	NM	44	40
Pennsylvania	397	358	11.0%	NM	NM	392	354	2	NM	3	NM
East North Central	732	771	-5.1%	596	653	121	101	NM	NM	14	NM
Illinois	86	75	15.0%	29	NM	57	49	NM	NM	NM	NM
Indiana	152	142	7.2%	143	132	NM	NM	NM	NM	9	NM
Michigan	179	187	-4.6%	174	183	0	0	NM	NM	3	2
Ohio	272	306	-11.0%	210	254	61	50	NM	NM	1	2
Wisconsin	43	61	-30.0%	39	59	3	2	NM	NM	NM	NM
West North Central	370	417	-11.0%	364	406	3	NM	NM	NM	2	NM
Iowa	101	132	-24.0%	99	130	2	NM	NM	NM	NM	NM
Kansas	68	NM	NM	68	NM	0	0	0	0	0	0
Minnesota	29	47	-39.0%	26	39	1	5	NM	NM	1	NM
Missouri	93	107	-13.0%	93	107	NM	NM	NM	NM	0	0
Nebraska	28	29	-3.2%	28	29	0	0	0	0	0	0
North Dakota	38	43	-11.0%	37	42	0	0	NM	NM	1	NM
South Dakota	13	NM	NM	13	NM	NM	NM	NM	NM	0	0
South Atlantic	1,833	2,311	-21.0%	1,425	1,792	306	405	NM	NM	100	110
Delaware	42	33	28.0%	NM	NM	41	32	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	579	920	-37.0%	559	826	NM	82	0	0	NM	11
Georgia	146	153	-4.9%	84	88	NM	NM	1	NM	59	62
Maryland	195	172	14.0%	8	NM	187	156	NM	NM	0	6
North Carolina	244	248	-1.7%	229	235	NM	NM	NM	NM	NM	9
South Carolina	131	141	-6.7%	119	130	0	0	NM	NM	11	10
Virginia	340	473	-28.0%	270	356	56	104	1	1	14	12
West Virginia	156	146	7.1%	154	146	2	0	0	0	0	0
East South Central	383	436	-12.0%	358	411	1	NM	0	0	24	23
Alabama	92	103	-11.0%	70	81	1	NM	0	0	21	20
Kentucky	136	133	2.0%	136	133	0	0	0	0	0	0
Mississippi	16	17	-8.4%	14	16	0	0	0	0	2	2
Tennessee	139	183	-24.0%	138	182	0	0	0	0	NM	NM
West South Central	332	283	17.0%	192	76	120	192	NM	NM	18	13
Arkansas	159	30	425.0%	138	19	20	10	0	0	NM	1
Louisiana	60	42	43.0%	15	15	28	16	0	0	16	10
Oklahoma	10	15	-31.0%	10	14	0	0	NM	NM	0	0
Texas	103	196	-47.0%	29	28	72	165	NM	NM	NM	NM
Mountain	236	262	-10.0%	215	230	21	31	NM	NM	NM	NM
Arizona	46	49	-5.9%	46	48	0	0	NM	NM	NM	NM
Colorado	18	NM	NM	18	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	16	22	-29.0%	NM	NM	15	21	0	0	0	0
Nevada	18	25	-29.0%	14	19	3	7	0	0	0	0
New Mexico	55	49	13.0%	53	46	NM	NM	0	0	0	0
Utah	39	NM	NM	39	NM	NM	NM	0	0	0	0
Wyoming	44	54	-19.0%	44	54	0	0	0	0	NM	NM
Pacific Contiguous	94	102	-8.1%	46	50	19	25	NM	NM	27	26
California	49	59	-17.0%	32	34	8	22	NM	NM	8	NM
Oregon	NM	8	NM	8	8	0	0	NM	NM	0	0
Washington	36	35	3.8%	NM	NM	12	NM	NM	NM	20	23
Pacific Noncontiguous	6,845	7,498	-8.7%	5,987	6,655	770	707	5	NM	82	132
Alaska	748	1,046	-28.0%	701	988	0	0	2	NM	45	NM
Hawaii	6,096	6,452	-5.5%	5,286	5,667	770	707	3	3	37	76
U.S. Total	13,889	13,749	1.0%	10,105	10,787	3,362	2,500	84	72	338	390

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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, July 2013 and July 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	NM	0	--	0	0	0	0	0	0	NM	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	97	60	62.0%	45	15	47	40	0	0	6	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	38	8	379.0%	38	8	0	0	0	0	0	0
Michigan	5	4	23.0%	0	0	3	3	0	0	NM	NM
Ohio	44	37	17.0%	0	0	44	37	0	0	0	0
Wisconsin	11	11	-2.2%	7	7	0	0	0	0	4	4
West North Central	0	0	-92.0%	0	0	0	0	0	0	0	0
Iowa	0	0	-92.0%	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	109	41	167.0%	106	36	0	0	0	0	3	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	106	36	197.0%	106	36	0	0	0	0	0	0
Georgia	3	5	-49.0%	0	0	0	0	0	0	3	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	47	57	-18.0%	47	57	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	47	57	-18.0%	47	57	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	195	119	64.0%	139	74	9	2	0	0	46	43
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	149	77	93.0%	139	74	0	0	0	0	9	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	46	41	11.0%	0	0	9	2	0	0	37	39
Mountain	15	11	29.0%	0	0	15	11	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	15	11	29.0%	0	0	15	11	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	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	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	467	291	60.0%	337	182	72	55	0	0	57	54

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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 July 2013 and July 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	13	7	81.0%	0	0	0	0	0	0	13	7
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	10	7	29.0%	0	0	0	0	0	0	10	7
East North Central	575	426	35.0%	223	164	316	231	0	0	35	31
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	208	138	51.0%	208	138	0	0	0	0	0	0
Michigan	30	26	15.0%	0	0	21	20	0	0	9	6
Ohio	296	211	40.0%	0	0	296	211	0	0	0	0
Wisconsin	41	51	-19.0%	15	26	0	0	0	0	26	25
West North Central	1	5	-89.0%	0	5	0	0	1	1	0	0
Iowa	1	5	-89.0%	0	5	0	0	1	1	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	471	205	129.0%	447	171	0	0	0	0	24	35
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	447	171	162.0%	447	171	0	0	0	0	0	0
Georgia	24	35	-31.0%	0	0	0	0	0	0	24	35
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	302	292	3.5%	302	292	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	302	292	3.5%	302	292	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	1,307	939	39.0%	1,000	623	14	4	0	0	293	311
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,046	652	60.0%	1,000	623	0	0	0	0	46	28
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	261	287	-8.9%	0	0	14	4	0	0	247	283
Mountain	97	93	4.9%	0	0	97	93	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	97	93	4.9%	0	0	97	93	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	11	89	-87.0%	0	0	11	89	0	0	0	0
California	11	89	-87.0%	0	0	11	89	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	2,777	2,056	35.0%	1,972	1,254	439	417	1	1	365	384

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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, July 2013 and July 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	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	48,548	53,316	-8.9%	778	1,167	45,324	49,653	594	576	1,852	1,920
Connecticut	11,859	13,213	-10.0%	21	NM	11,440	12,715	NM	NM	NM	232
Maine	3,639	5,082	-28.0%	0	0	2,180	3,609	NM	NM	1,457	1,471
Massachusetts	22,791	23,179	-1.7%	646	627	21,639	22,045	331	303	NM	205
New Hampshire	4,152	5,438	-24.0%	108	460	4,032	4,966	0	0	NM	NM
Rhode Island	6,103	6,401	-4.6%	0	0	6,033	6,318	NM	NM	0	0
Vermont	3	3	-7.9%	3	3	0	0	0	0	0	0
Middle Atlantic	126,330	135,228	-6.6%	16,178	17,959	108,520	115,605	707	700	925	963
New Jersey	27,406	27,893	-1.7%	0	0	26,965	27,444	NM	NM	336	371
New York	61,611	64,952	-5.1%	16,161	17,929	44,754	46,313	532	544	165	166
Pennsylvania	37,314	42,382	-12.0%	NM	NM	36,802	41,849	NM	NM	424	426
East North Central	56,696	104,220	-46.0%	21,371	42,364	33,702	59,957	802	839	821	1,060
Illinois	10,957	22,311	-51.0%	1,375	4,333	8,965	17,352	325	305	292	320
Indiana	8,071	15,697	-49.0%	4,955	11,701	2,775	3,615	NM	NM	308	345
Michigan	12,522	29,200	-57.0%	4,633	10,461	7,590	18,328	176	NM	123	227
Ohio	17,595	20,485	-14.0%	6,515	6,625	10,817	13,577	NM	NM	NM	NM
Wisconsin	7,550	16,528	-54.0%	3,893	9,244	3,554	7,086	53	NM	50	NM
West North Central	18,760	42,334	-56.0%	16,322	36,994	2,137	4,912	217	NM	85	NM
Iowa	2,276	5,741	-60.0%	2,272	5,723	NM	NM	NM	NM	0	11
Kansas	3,147	7,440	-58.0%	3,129	7,425	0	0	0	0	NM	NM
Minnesota	6,188	12,618	-51.0%	4,881	10,147	1,160	2,283	117	NM	31	NM
Missouri	4,922	11,386	-57.0%	3,847	8,595	976	2,628	96	160	NM	NM
Nebraska	1,235	3,701	-67.0%	1,207	3,663	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	NM	0	0	0	0	NM	NM
South Dakota	985	1,441	-32.0%	985	1,441	0	0	0	0	0	0
South Atlantic	187,814	230,455	-19.0%	145,498	168,425	39,599	59,172	NM	NM	2,427	2,657
Delaware	6,154	7,445	-17.0%	NM	NM	5,060	6,436	0	0	1,039	956
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	97,431	116,260	-16.0%	89,875	103,709	6,731	11,647	NM	NM	803	879
Georgia	25,284	39,396	-36.0%	18,541	19,295	6,416	19,707	0	0	326	394
Maryland	4,978	8,028	-38.0%	0	0	4,762	7,681	NM	NM	NM	178
North Carolina	19,751	20,817	-5.1%	13,021	18,159	6,669	2,589	0	5	NM	64
South Carolina	11,636	12,547	-7.3%	9,410	10,235	2,168	2,287	NM	NM	56	24
Virginia	21,635	25,289	-14.0%	14,405	16,792	7,138	8,342	0	0	92	155
West Virginia	851	557	53.0%	190	67	655	483	0	0	NM	NM
East South Central	64,845	93,237	-30.0%	37,310	49,264	25,475	42,780	NM	NM	1,965	1,092
Alabama	31,141	44,235	-30.0%	9,481	11,123	21,070	32,358	0	0	590	755
Kentucky	3,024	5,876	-49.0%	2,400	4,345	474	1,390	0	0	151	141
Mississippi	26,649	34,226	-22.0%	21,494	25,011	3,931	9,032	NM	NM	1,214	171
Tennessee	4,031	8,900	-55.0%	3,935	8,785	0	0	NM	NM	10	26
West South Central	248,143	297,957	-17.0%	88,055	108,085	120,601	149,097	388	415	39,100	40,361
Arkansas	10,197	18,188	-44.0%	3,952	5,614	6,134	12,493	NM	NM	111	81
Louisiana	46,204	52,704	-12.0%	22,506	26,769	7,380	8,958	NM	NM	16,295	16,952
Oklahoma	29,659	45,537	-35.0%	21,485	34,029	8,106	11,434	NM	NM	NM	NM
Texas	162,083	181,528	-11.0%	40,111	41,673	98,981	116,211	343	364	22,649	23,281
Mountain	80,549	77,182	4.4%	47,009	45,591	32,848	30,793	NM	194	509	603
Arizona	32,306	29,738	8.6%	14,227	13,698	18,036	15,985	NM	NM	0	NM
Colorado	10,531	10,962	-3.9%	5,497	5,626	5,006	5,306	11	9	NM	NM
Idaho	2,918	1,877	55.0%	1,953	1,451	955	402	0	0	11	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	21,162	20,699	2.2%	15,482	15,011	5,478	5,462	NM	NM	NM	170
New Mexico	7,988	8,139	-1.9%	5,492	5,281	2,371	2,726	NM	NM	NM	NM
Utah	5,137	4,935	4.1%	4,113	4,045	940	771	0	NM	NM	118
Wyoming	299	439	-32.0%	NM	NM	NM	NM	0	0	197	212
Pacific Contiguous	103,696	85,422	21.0%	39,005	27,979	56,964	49,635	1,222	1,222	6,506	6,585
California	86,148	78,481	9.8%	27,558	24,474	50,970	46,299	NM	1,175	6,440	6,533
Oregon	8,575	4,156	106.0%	3,680	1,082	4,818	3,001	NM	NM	40	NM
Washington	8,974	2,785	222.0%	7,768	2,423	1,176	336	NM	NM	26	16
Pacific Noncontiguous	2,612	3,794	-31.0%	2,544	3,718	0	0	NM	NM	NM	NM
Alaska	2,612	3,794	-31.0%	2,544	3,718	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	937,994	1,123,145	-16.0%	414,068	501,548	465,169	561,605	4,501	4,562	54,255	55,429

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	224,854	261,946	-14.0%	2,020	2,593	207,920	243,930	3,618	3,763	11,295	11,661
Connecticut	66,457	63,386	4.8%	NM	NM	63,908	60,459	1,160	1,242	1,083	1,188
Maine	21,669	25,798	-16.0%	0	0	12,325	16,288	NM	NM	9,333	9,500
Massachusetts	93,674	105,719	-11.0%	1,440	1,451	89,307	101,226	2,115	2,142	812	900
New Hampshire	15,998	30,914	-48.0%	249	621	15,682	30,220	0	0	NM	NM
Rhode Island	27,029	36,106	-25.0%	0	0	26,697	35,737	332	370	0	0
Vermont	25	23	8.6%	25	23	0	0	0	0	0	0
Middle Atlantic	589,282	646,205	-8.8%	75,334	79,572	504,088	556,292	4,452	4,307	5,408	6,034
New Jersey	118,852	127,153	-6.5%	0	0	116,230	124,299	551	466	2,071	2,387
New York	267,558	286,744	-6.7%	75,295	79,511	187,720	202,718	3,552	3,458	990	1,058
Pennsylvania	202,873	232,308	-13.0%	NM	NM	200,139	229,275	NM	382	2,347	2,589
East North Central	271,781	438,328	-38.0%	101,016	165,952	160,774	260,553	4,762	5,361	5,230	6,461
Illinois	35,598	67,209	-47.0%	3,861	11,096	28,172	52,226	2,015	2,197	1,550	1,691
Indiana	43,212	76,835	-44.0%	28,584	59,494	12,417	14,842	171	189	2,039	2,309
Michigan	60,059	125,763	-52.0%	16,065	32,275	41,901	90,736	1,139	1,209	953	1,544
Ohio	95,874	105,320	-9.0%	32,476	28,254	61,936	75,454	1,187	1,295	275	317
Wisconsin	37,039	63,200	-41.0%	20,030	34,833	16,348	27,296	249	470	412	601
West North Central	77,706	118,762	-35.0%	65,593	101,721	10,101	14,428	1,217	1,907	795	706
Iowa	6,662	11,292	-41.0%	6,557	11,221	NM	NM	NM	NM	NM	34
Kansas	14,537	22,877	-36.0%	14,479	22,813	0	0	0	0	NM	NM
Minnesota	28,939	39,991	-28.0%	23,775	32,888	4,042	5,782	760	1,065	362	256
Missouri	23,181	35,489	-35.0%	16,685	26,035	6,059	8,644	424	794	NM	NM
Nebraska	2,469	6,618	-63.0%	2,242	6,335	0	0	NM	NM	216	269
North Dakota	67	67	0.2%	NM	NM	0	0	0	0	63	66
South Dakota	1,851	2,428	-24.0%	1,851	2,428	0	0	0	0	0	0
South Atlantic	1,075,641	1,201,975	-11.0%	855,341	905,082	202,144	282,284	1,816	1,359	16,341	13,249
Delaware	31,293	37,754	-17.0%	NM	NM	24,592	33,900	0	0	6,571	3,700
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	590,882	670,225	-12.0%	544,515	604,144	40,751	60,298	NM	NM	5,490	5,644
Georgia	166,309	182,114	-8.7%	124,301	99,555	39,350	80,719	0	0	2,658	1,840
Maryland	15,398	34,753	-56.0%	0	0	14,073	32,723	1,106	1,188	219	842
North Carolina	114,394	92,392	24.0%	75,292	77,520	38,687	14,487	10	22	405	362
South Carolina	56,745	66,796	-15.0%	50,298	54,978	6,021	11,514	NM	NM	418	295
Virginia	97,883	115,652	-15.0%	60,402	67,892	36,926	47,222	0	0	555	539
West Virginia	2,170	1,615	34.0%	403	165	1,743	1,422	0	0	25	28
East South Central	377,262	509,471	-26.0%	209,016	277,624	152,850	224,326	570	614	14,826	6,908
Alabama	196,101	250,234	-22.0%	59,766	65,350	131,411	180,325	0	0	4,923	4,559
Kentucky	12,008	25,316	-53.0%	9,204	21,492	1,885	2,832	0	0	919	992
Mississippi	146,631	196,389	-25.0%	118,151	153,936	19,555	41,169	NM	NM	8,859	1,213
Tennessee	22,522	37,532	-40.0%	21,895	36,845	0	0	503	543	124	144
West South Central	1,303,007	1,563,338	-17.0%	396,205	505,243	647,754	802,861	2,342	2,451	256,706	252,783
Arkansas	56,806	79,643	-29.0%	9,226	16,766	46,702	62,175	NM	NM	875	699
Louisiana	245,429	291,632	-16.0%	108,672	137,170	34,941	48,614	NM	NM	101,670	105,693
Oklahoma	144,941	207,087	-30.0%	110,024	147,664	34,372	58,957	139	139	405	328
Texas	855,830	984,975	-13.0%	168,282	203,643	531,739	633,114	2,053	2,154	153,756	146,063
Mountain	341,531	373,354	-8.5%	207,874	226,753	128,295	140,475	1,163	1,224	4,199	4,901
Arizona	104,691	133,452	-22.0%	46,888	65,029	57,477	68,047	NM	338	NM	NM
Colorado	50,044	51,973	-3.7%	27,411	30,379	22,497	21,450	18	17	NM	NM
Idaho	11,863	6,861	73.0%	5,839	2,392	5,803	4,224	0	0	220	245
Montana	736	1,098	-33.0%	NM	NM	NM	NM	0	0	0	0
Nevada	104,051	104,235	-0.2%	78,386	75,620	24,355	27,213	NM	364	960	1,038
New Mexico	41,377	42,811	-3.4%	26,940	26,741	13,636	15,228	NM	503	NM	339
Utah	26,736	30,652	-13.0%	21,554	25,273	4,352	4,026	NM	NM	829	1,351
Wyoming	2,033	2,272	-11.0%	NM	NM	NM	NM	0	0	1,740	1,762
Pacific Contiguous	537,187	531,616	1.0%	189,818	176,141	296,939	303,976	8,146	8,161	42,284	43,338
California	454,983	474,307	-4.1%	144,697	149,636	260,731	274,045	7,865	7,805	41,690	42,821
Oregon	49,793	39,637	26.0%	16,907	12,110	32,282	26,926	265	314	339	286
Washington	32,412	17,672	83.0%	28,214	14,396	3,926	3,005	16	41	255	230
Pacific Noncontiguous	21,851	25,891	-16.0%	21,393	25,301	0	0	NM	NM	443	573
Alaska	21,851	25,891	-16.0%	21,393	25,301	0	0	NM	NM	443	573
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	4,820,102	5,670,886	-15.0%	2,123,610	2,465,981	2,310,866	2,829,125	28,100	29,165	357,526	346,614

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 - July 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
May	177,977	31,258	444	145,957	23,384	348	32,020	7,873	96
June	170,751	31,124	409	139,640	23,279	303	31,111	7,845	107
July	160,403	31,634	397	132,045	24,014	279	28,358	7,620	118

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, July 2013 and 2012

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	July 2013	July 2012	Percentage Change	July 2013	July 2012	Percentage Change	July 2013	July 2012	Percentage Change
New England	1,046	1,058	-1.1%	1,963	2,167	-9.4%	0	0	--
Connecticut	W	W	W	692	888	-22.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	543	538	0.9%	867	870	-0.4%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	47	48	-3.3%	0	0	--
Middle Atlantic	5,256	7,183	-27.0%	4,897	5,990	-18.0%	W	W	W
New Jersey	877	763	15.0%	923	1,110	-17.0%	0	0	--
New York	511	522	-2.1%	3,082	3,835	-20.0%	0	0	--
Pennsylvania	3,868	5,898	-34.0%	892	1,045	-15.0%	W	W	W
East North Central	30,035	36,978	-19.0%	1,239	1,374	-9.8%	W	W	W
Illinois	6,420	8,423	-24.0%	111	124	-10.0%	0	0	--
Indiana	8,370	9,500	-12.0%	113	114	-1.7%	0	0	--
Michigan	5,562	5,922	-6.1%	497	559	-11.0%	W	W	W
Ohio	5,660	7,315	-23.0%	278	321	-13.0%	W	W	W
Wisconsin	4,023	5,818	-31.0%	240	255	-6.2%	W	W	W
West North Central	26,663	30,726	-13.0%	979	1,195	-18.0%	0	0	--
Iowa	7,705	8,171	-5.7%	150	159	-5.6%	0	0	--
Kansas	3,311	4,392	-25.0%	158	218	-28.0%	0	0	--
Minnesota	2,743	2,768	-0.9%	153	164	-7.0%	0	0	--
Missouri	8,428	9,848	-14.0%	295	330	-11.0%	0	0	--
Nebraska	3,038	3,623	-16.0%	121	202	-40.0%	0	0	--
North Dakota	W	W	W	32	36	-9.9%	0	0	--
South Dakota	W	W	W	70	85	-18.0%	0	0	--
South Atlantic	34,022	36,780	-7.5%	13,024	14,322	-9.1%	W	W	W
Delaware	W	W	W	380	396	-4.0%	0	0	--
District of Columbia	0	0	--	0	W	W	0	0	--
Florida	W	5,893	W	6,768	7,932	-15.0%	W	W	W
Georgia	8,491	8,919	-4.8%	915	944	-3.1%	0	0	--
Maryland	1,308	1,512	-14.0%	718	761	-5.6%	0	0	--
North Carolina	5,941	6,247	-4.9%	1,088	1,075	1.1%	0	0	--
South Carolina	5,538	6,489	-15.0%	636	645	-1.3%	W	W	W
Virginia	1,346	W	W	2,378	2,388	-0.4%	0	0	--
West Virginia	5,805	5,836	-0.5%	140	W	W	W	W	W
East South Central	16,653	18,635	-11.0%	2,036	1,905	6.9%	W	W	W
Alabama	4,710	6,052	-22.0%	312	297	5.0%	0	0	--
Kentucky	7,166	7,386	-3.0%	264	252	4.7%	W	W	W
Mississippi	1,541	1,753	-12.0%	571	561	1.8%	0	0	--
Tennessee	3,237	3,444	-6.0%	890	796	12.0%	0	0	--
West South Central	26,855	28,769	-6.7%	3,615	2,492	45.0%	W	126	W
Arkansas	3,044	3,884	-22.0%	1,419	171	730.0%	0	0	--
Louisiana	3,747	4,078	-8.1%	658	671	-1.9%	W	W	W
Oklahoma	4,531	4,492	0.9%	174	203	-14.0%	0	0	--
Texas	15,532	16,315	-4.8%	1,364	1,447	-5.7%	W	W	W
Mountain	18,183	20,093	-9.5%	716	704	1.7%	W	W	W
Arizona	3,435	3,846	-11.0%	211	228	-7.6%	0	0	--
Colorado	3,782	3,842	-1.6%	150	NM	NM	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	835	W	W	180	180	0.0%	0	0	--
New Mexico	W	W	W	64	NM	NM	0	0	--
Utah	4,859	4,589	5.9%	54	NM	NM	0	0	--
Wyoming	3,322	3,898	-15.0%	33	32	1.8%	0	0	--
Pacific Contiguous	W	W	W	383	389	-1.3%	3	W	W
California	W	W	W	195	211	-7.9%	3	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	2,781	2,712	2.5%	0	0	--
Alaska	W	W	W	257	253	1.3%	0	0	--
Hawaii	W	W	W	2,524	2,458	2.7%	0	0	--
U.S. Total	160,403	183,119	-12.0%	31,634	33,250	-4.9%	397	474	-16.0%

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, July 2013 and 2012

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**July 2013**	**July 2012**	**Percentage Change**	**July 2013**	**July 2012**	**July 2013**	**July 2012**
Coal (Thousand Tons)							
New England	1,046	1,058	-1.1%	W	W	W	W
Middle Atlantic	5,256	7,183	-26.8%	W	W	W	W
East North Central	30,035	36,978	-18.8%	23,447	27,927	6,588	9,051
West North Central	26,663	30,726	-13.2%	26,663	30,726	0	0
South Atlantic	34,022	36,780	-7.5%	31,000	33,501	3,022	3,279
East South Central	16,653	18,635	-10.6%	W	18,635	W	0
West South Central	26,855	28,769	-6.7%	15,653	17,450	11,201	11,319
Mountain	18,183	20,093	-9.5%	17,050	18,963	1,132	1,131
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**160,403**	**183,119**	**-12.4%**	**132,045**	**148,872**	**28,358**	**34,246**
Petroleum Liquids (Thousand Barrels)							
New England	1,963	2,167	-9.4%	371	460	1,592	1,708
Middle Atlantic	4,897	5,990	-18.2%	2,104	2,529	2,793	3,460
East North Central	1,239	1,374	-9.8%	1,023	W	216	W
West North Central	979	1,195	-18.0%	952	1,164	28	31
South Atlantic	13,024	14,322	-9.1%	10,817	12,071	2,206	2,252
East South Central	2,036	1,905	6.9%	W	W	W	W
West South Central	3,615	2,492	45.1%	3,025	W	590	W
Mountain	716	704	1.7%	W	W	W	W
Pacific Contiguous	383	389	-1.3%	337	W	46	W
Pacific Noncontiguous	2,781	2,712	2.5%	W	W	W	W
U.S. Total	**31,634**	**33,250**	**-4.9%**	**24,014**	**24,757**	**7,620**	**8,492**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	W	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	126	W	W	W	W	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	3	W	W	0	0	3	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**397**	**474**	**-16.3%**	**279**	**216**	**118**	**258**

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 - July 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
May	85,035	86,793	6,150	177,977
June	82,248	82,416	6,088	170,751
July	76,202	78,533	5,668	160,403

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 - July 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	18,675,843	956,538	2.39	46.65	1.19	100.0	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	1,568,826	80,619	2.34	45.54	1.14	108.2	18,710	3,111	19.48	117.17	0.61	124.8
April	1,466,038	75,032	2.38	46.45	1.16	109.0	17,501	2,907	20.17	121.42	0.44	106.2
May	1,488,896	75,680	2.43	47.81	1.21	100.5	22,348	3,663	19.03	116.10	0.79	142.1
June	1,496,612	76,186	2.40	47.12	1.21	88.7	21,398	3,546	21.43	129.32	0.67	134.2
July	1,529,732	78,057	2.44	47.87	1.20	81.2	17,161	2,880	21.34	127.15	0.50	90.1
August	1,686,433	85,712	2.47	48.56	1.21	91.1	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,638,224	84,092	2.44	47.44	1.19	107.2	14,745	2,463	20.87	124.97	0.57	116.5
October	1,621,860	83,268	2.39	46.52	1.18	116.8	19,618	3,265	20.99	126.11	0.53	152.2
November	1,545,153	79,934	2.37	45.76	1.18	116.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,571,522	81,704	2.34	45.06	1.17	108.3	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
May	1,298,233	66,427	2.37	46.33	1.32	100.1	8,534	1,406	20.71	125.68	0.50	70.6
June	1,291,195	66,615	2.36	45.73	1.26	86.8	6,973	1,164	20.97	125.63	0.50	62.0
July	1,356,838	70,939	2.32	44.30	1.20	83.4	10,653	1,765	20.51	123.78	0.48	61.2
Year to Date												
2011	10,612,650	541,827	2.38	46.62	1.19	95.3	135,607	22,541	19.41	116.79	0.63	112.9
2012	9,342,291	481,653	2.42	46.85	1.27	101.1	90,466	15,150	21.97	131.19	0.52	98.5
2013	8,886,052	458,484	2.35	45.56	1.29	90.2	68,025	11,216	20.77	126.02	0.48	72.3
Rolling 12 Months Ending in July												
2012	17,405,484	896,363	2.41	46.78	1.23	103.7	171,611	28,767	21.43	127.84	0.53	108.2
2013	16,002,928	826,498	2.37	45.85	1.27	94.0	129,374	21,550	21.16	126.96	0.49	85.0

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.
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Notes:
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See Glossary for definitions.
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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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - July 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	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
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	5.00	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	5.04	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.93	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.64	103.3	650,493	637,322	4.86	4.96	104.5	3.28
May	13,128	459	3.31	94.62	4.73	101.5	706,626	692,561	4.89	4.98	104.0	3.38
June	13,265	461	2.78	79.94	5.01	88.6	837,715	820,788	5.04	5.15	103.4	3.51
July	17,899	622	3.30	94.84	4.84	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.61
August	16,950	592	3.08	88.16	5.15	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.43
Sept	16,087	562	2.93	83.88	5.13	103.2	833,540	814,910	4.56	4.66	104.2	3.25
October	15,481	541	3.32	94.90	5.12	126.3	710,451	695,275	4.33	4.43	104.4	3.13
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.03
December	15,672	554	2.74	77.61	5.14	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
May	11,519	403	2.32	66.15	5.39	75.8	662,769	645,542	4.62	4.75	90.2	3.16
June	11,292	398	2.39	67.99	5.09	73.0	780,464	760,598	4.42	4.54	91.0	3.15
July	11,964	418	2.27	64.99	5.46	75.5	942,363	916,789	4.19	4.31	90.5	3.12
Year to Date												
2011	93,676	3,268	3.11	89.09	4.88	86.7	5,183,727	5,076,125	4.99	5.09	103.8	3.37
2012	76,121	2,653	2.66	76.42	5.37	95.0	6,496,968	6,354,276	3.15	3.22	102.5	2.83
2013	73,328	2,574	2.45	69.69	5.40	74.6	4,919,236	4,795,525	4.41	4.52	89.9	3.13
Rolling 12 Months Ending in July												
2012	153,546	5,366	2.80	80.25	5.26	104.9	10,563,893	10,334,315	3.63	3.71	103.0	2.98
2013	136,416	4,778	2.42	69.00	5.45	87.3	9,294,362	9,073,071	4.10	4.21	95.4	3.07

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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.
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 - July 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	13,871,559	699,353	2.40	47.67	1.16	101.5	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	1,163,288	58,858	2.35	46.35	1.12	108.8	13,842	2,284	19.55	118.45	0.52	131.5
April	1,093,579	55,135	2.39	47.33	1.14	111.5	11,543	1,898	20.30	123.47	0.40	90.8
May	1,100,898	55,254	2.44	48.70	1.16	100.5	16,158	2,618	19.03	117.46	0.75	138.8
June	1,123,670	56,315	2.39	47.78	1.20	89.8	15,427	2,528	21.88	133.55	0.66	144.9
July	1,135,869	56,951	2.45	48.91	1.18	81.4	9,455	1,569	21.86	131.77	0.47	82.3
August	1,252,336	62,531	2.49	49.81	1.18	91.8	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,217,947	61,325	2.46	48.78	1.17	109.8	10,186	1,683	20.94	126.69	0.49	118.0
October	1,200,982	60,696	2.41	47.77	1.14	119.9	13,068	2,171	21.63	130.21	0.48	146.6
November	1,145,469	58,329	2.39	46.88	1.15	119.3	11,052	1,853	21.75	129.72	0.48	124.5
December	1,177,657	60,381	2.37	46.18	1.14	111.5	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
May	949,191	48,260	2.41	47.32	1.24	99.7	5,936	974	20.89	127.40	0.47	70.6
June	955,992	48,746	2.39	46.91	1.21	86.9	4,697	784	21.30	127.70	0.43	60.7
July	1,014,184	52,255	2.34	45.50	1.17	84.8	7,139	1,182	20.82	125.77	0.44	63.6
Year to Date												
2011	7,877,169	396,091	2.39	47.49	1.16	96.2	90,645	14,928	19.65	119.29	0.56	113.4
2012	6,771,491	345,069	2.44	47.83	1.21	99.2	61,934	10,328	22.39	134.26	0.46	95.7
2013	6,600,055	337,042	2.38	46.68	1.23	91.4	45,201	7,430	21.00	127.78	0.44	73.5
Rolling 12 Months Ending in July												
2012	12,765,881	648,330	2.43	47.87	1.18	103.6	115,544	19,258	21.93	131.57	0.47	104.3
2013	11,690,572	597,178	2.40	46.95	1.20	93.7	85,032	14,080	21.45	129.39	0.43	82.4

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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 - July 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	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
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	5.29	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	5.43	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	5.70	70.2	224,855	220,793	4.95	5.04	101.5	2.93
April	7,274	252	3.52	101.68	5.20	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	5.01	112.7	278,209	273,629	5.17	5.25	101.8	3.18
June	8,072	278	2.85	82.53	5.08	92.2	341,274	335,202	5.28	5.37	101.5	3.26
July	10,742	374	3.41	98.06	4.79	104.0	443,001	434,122	5.11	5.22	100.9	3.31
August	10,040	349	3.18	91.43	5.26	105.9	434,451	425,557	4.97	5.07	101.1	3.22
Sept	9,822	341	2.94	84.64	5.14	102.3	316,215	311,382	4.89	4.97	101.5	3.08
October	8,352	289	3.23	93.48	5.11	126.2	275,463	270,541	4.71	4.80	101.4	3.01
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.91
December	7,774	273	2.34	66.68	5.09	108.4	282,188	277,700	4.40	4.47	102.5	2.88
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
May	8,610	301	2.28	65.22	5.28	83.5	284,671	277,902	4.84	4.96	97.9	3.04
June	8,302	291	2.36	67.19	4.88	83.7	343,724	336,028	4.65	4.76	96.6	3.05
July	9,006	314	2.25	64.47	5.35	93.2	403,783	393,380	4.38	4.50	95.0	3.00
Year to Date												
2011	55,917	1,940	3.30	94.99	5.18	90.2	2,012,312	1,975,759	5.21	5.31	101.9	3.11
2012	34,793	1,203	2.17	62.76	5.15	95.9	2,548,557	2,498,177	3.48	3.55	101.3	2.85
2013	53,763	1,878	2.18	62.39	5.27	95.2	2,107,112	2,060,005	4.55	4.66	97.0	2.99
Rolling 12 Months Ending in July												
2012	78,084	2,707	2.52	72.71	5.15	106.1	4,107,593	4,030,032	3.96	4.03	101.4	2.93
2013	89,045	3,107	2.20	63.13	5.25	109.8	3,815,319	3,735,826	4.33	4.43	99.0	2.97

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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 - July 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
May	331,410	17,388	2.23	42.45	1.54	106.8	2,398	401	20.47	122.55	0.43	100.2
June	319,506	17,178	2.22	41.35	1.41	90.4	2,041	343	20.50	122.16	0.43	83.1
July	325,945	17,938	2.19	39.83	1.28	82.7	3,347	557	20.01	120.25	0.46	68.3
Year to Date												
2011	2,441,807	132,064	2.29	42.36	1.24	92.7	25,021	4,258	20.19	118.63	0.51	94.9
2012	2,306,979	124,176	2.28	42.41	1.42	107.6	16,219	2,764	22.44	131.71	0.46	91.2
2013	2,171,908	116,392	2.21	41.24	1.47	91.3	21,274	3,535	20.45	123.21	0.46	90.2
Rolling 12 Months Ending in July												
2012	4,157,457	225,406	2.28	41.97	1.35	104.3	32,797	5,602	21.45	125.57	0.48	108.1
2013	4,001,962	215,031	2.23	41.52	1.47	97.6	33,661	5,685	W	W	0.46	97.2

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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.
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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - July 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
May	1,628	57	W	W	5.43	113.5	315,860	307,084	4.47	4.60	92.8	W
June	1,541	54	W	W	5.43	79.3	372,501	362,228	4.22	4.34	93.4	W
July	1,543	54	W	W	5.37	66.1	474,871	461,562	4.07	4.18	93.7	W
Year to Date												
2011	18,229	634	2.25	64.61	4.10	71.5	2,362,346	2,311,548	4.94	5.05	100.6	3.68
2012	18,102	631	3.39	97.27	5.36	130.4	3,099,853	3,028,334	2.97	3.04	100.2	2.74
2013	10,560	375	W	W	5.40	74.8	2,379,801	2,315,789	4.38	4.50	92.8	W
Rolling 12 Months Ending in July												
2012	33,516	1,171	W	W	5.23	119.0	4,989,547	4,875,402	3.44	3.52	100.5	W
2013	19,055	670	W	W	5.41	79.2	4,440,006	4,324,876	4.02	4.13	96.2	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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - July 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
May	383	17	W	W	2.96	13.9	0	0	--	--	--	0.0
June	355	16	W	W	2.91	13.9	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.1	0	0	--	--	--	0.0
Year to Date												
2011	21,530	1,007	2.93	62.65	1.82	96.0	1,257	208	19.23	116.39	0.57	100.1
2012	18,143	869	2.82	58.88	1.82	95.9	1,355	228	21.59	128.12	0.50	161.1
2013	2,460	106	W	W	2.98	11.9	0	0	--	--	--	0.0
Rolling 12 Months Ending in July												
2012	NM	NM	NM	NM	1.78	101.5	NM	NM	NM	NM	0.51	147.0
2013	15,023	707	W	W	2.07	46.0	NM	NM	NM	NM	0.50	39.7

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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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2003 - July 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
May	0	0	--	--	--	0.0	467	464	W	W	6.6	W
June	0	0	--	--	--	0.0	404	401	W	W	5.6	W
July	0	0	--	--	--	0.0	445	440	W	W	5.2	W
Year to Date												
2011	165	6	W	W	5.46	140.4	52,277	51,202	5.50	5.61	106.4	W
2012	156	5	W	W	5.49	97.8	NM	NM	3.70	3.78	104.8	W
2013	0	0	--	--	--	0.0	2,794	2,772	W	W	5.3	W
Rolling 12 Months Ending in July												
2012	NM	NM	W	W	5.48	94.9	NM	NM	NM	NM	106.2	W
2013	NM	NM	W	W	5.69	58.9	NM	NM	W	W	47.3	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - July 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	1.17	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	0.94	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
May	17,249	761	W	W	1.47	48.7	200	32	18.00	112.37	1.65	16.5
June	15,342	676	W	W	1.36	43.5	234	38	18.49	114.07	1.83	24.3
July	16,500	738	W	W	1.53	45.0	167	27	17.47	108.96	1.84	15.1
Year to Date												
2011	272,144	12,664	2.92	62.66	1.32	96.1	18,683	3,147	17.25	102.43	1.11	149.7
2012	245,678	11,539	3.02	64.21	1.49	96.5	10,958	1,830	18.96	113.50	0.94	128.5
2013	111,629	4,944	W	W	1.47	43.6	1,550	251	18.15	112.17	1.70	19.2
Rolling 12 Months Ending in July												
2012	449,641	21,079	2.99	63.72	1.42	99.9	NM	NM	18.71	111.41	0.98	132.3
2013	295,370	13,583	W	W	1.45	67.6	NM	NM	W	W	1.02	77.8

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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 - July 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
May	1,281	45	W	W	6.08	37.4	61,770	60,091	W	W	64.1	W
June	1,450	52	W	W	5.91	40.5	63,835	61,941	W	W	66.7	W
July	1,415	50	W	W	6.27	37.1	63,264	61,407	W	W	62.7	W
Year to Date												
2011	19,364	687	W	W	4.84	94.6	756,792	737,617	4.48	4.60	121.6	W
2012	23,070	814	W	W	5.72	77.7	789,018	769,512	2.77	2.84	117.7	W
2013	9,004	320	W	W	6.21	32.9	429,528	416,959	W	W	62.7	W
Rolling 12 Months Ending in July												
2012	41,687	1,478	W	W	5.50	94.2	1,364,203	1,328,523	3.29	3.38	119.7	W
2013	28,108	993	W	W	6.09	55.7	995,013	969,337	W	W	84.2	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, July 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	203	NM	NM	17	0	184	NM	0	0	2	NM
Connecticut	83	0	--	0	0	83	0	0	0	0	0
Maine	3	3	2.9%	0	0	1	1	0	0	2	1
Massachusetts	101	NM	NM	0	0	101	NM	0	0	0	NM
New Hampshire	17	0	--	17	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	2,718	3,317	-18.0%	0	NM	2,697	3,202	0	NM	21	111
New Jersey	113	144	-21.0%	0	0	113	144	0	0	0	0
New York	187	236	-21.0%	0	NM	170	210	0	NM	16	24
Pennsylvania	2,418	2,937	-18.0%	0	0	2,413	2,849	0	NM	5	87
East North Central	16,550	15,527	6.6%	11,106	9,286	5,179	5,786	3	31	262	424
Illinois	5,288	5,519	-4.2%	557	585	4,548	4,672	0	NM	183	259
Indiana	3,226	3,292	-2.0%	2,987	2,898	238	368	0	17	0	NM
Michigan	2,748	1,819	51.0%	2,714	1,745	24	46	3	4	7	NM
Ohio	3,049	3,149	-3.2%	2,660	2,409	369	699	0	NM	20	39
Wisconsin	2,240	1,748	28.0%	2,187	1,650	0	0	0	NM	52	93
West North Central	11,862	13,172	-9.9%	11,752	12,733	0	0	6	27	104	412
Iowa	1,859	2,240	-17.0%	1,754	1,982	0	0	0	19	104	239
Kansas	1,623	1,603	1.3%	1,623	1,603	0	0	0	0	0	0
Minnesota	828	1,232	-33.0%	828	1,140	0	0	0	NM	0	90
Missouri	3,872	4,188	-7.5%	3,866	4,171	0	0	6	6	0	NM
Nebraska	1,411	1,522	-7.3%	1,411	1,472	0	0	0	0	0	NM
North Dakota	2,076	2,180	-4.8%	2,076	2,159	0	0	0	0	0	NM
South Dakota	195	207	-6.1%	195	207	0	0	0	0	0	0
South Atlantic	9,199	10,001	-8.0%	7,542	7,903	1,509	1,805	0	NM	149	284
Delaware	22	58	-61.0%	0	0	22	58	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,001	1,518	32.0%	1,899	1,378	102	116	0	0	0	24
Georgia	1,791	2,060	-13.0%	1,768	2,019	0	0	0	0	23	41
Maryland	706	571	24.0%	0	0	677	536	0	0	29	35
North Carolina	1,156	1,740	-34.0%	1,156	1,615	0	81	0	NM	0	38
South Carolina	611	784	-22.0%	595	774	0	0	0	0	16	10
Virginia	938	880	6.5%	847	686	44	94	0	NM	47	96
West Virginia	1,973	2,390	-17.0%	1,276	1,431	664	920	0	0	33	39
East South Central	7,141	8,337	-14.0%	6,651	7,738	380	418	0	NM	109	178
Alabama	1,977	2,386	-17.0%	1,977	2,350	0	NM	0	0	0	32
Kentucky	3,010	3,262	-7.7%	3,010	3,262	0	0	0	0	0	0
Mississippi	583	661	-12.0%	203	247	380	414	0	0	0	0
Tennessee	1,570	2,028	-23.0%	1,460	1,878	0	0	0	NM	109	146
West South Central	13,831	13,295	4.0%	6,910	6,811	6,921	6,407	0	0	0	77
Arkansas	1,460	1,353	7.9%	1,213	1,211	247	132	0	0	0	NM
Louisiana	1,393	1,333	4.5%	780	739	613	593	0	0	0	NM
Oklahoma	1,529	1,688	-9.4%	1,443	1,547	87	99	0	0	0	NM
Texas	9,449	8,920	5.9%	3,474	3,315	5,975	5,584	0	0	0	NM
Mountain	8,898	9,550	-6.8%	8,250	8,584	613	788	0	0	35	178
Arizona	1,890	1,808	4.5%	1,890	1,776	0	0	0	0	0	NM
Colorado	1,644	1,700	-3.3%	1,644	1,682	0	19	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	521	641	-19.0%	0	NM	521	613	0	0	0	NM
Nevada	276	353	-22.0%	184	278	92	75	0	0	0	0
New Mexico	990	1,392	-29.0%	990	1,392	0	0	0	0	0	0
Utah	1,322	1,325	-0.2%	1,287	1,249	0	NM	0	0	35	39
Wyoming	2,256	2,320	-2.8%	2,256	2,184	0	NM	0	0	0	93
Pacific Contiguous	473	108	339.0%	28	0	390	54	0	0	55	53
California	76	100	-24.0%	0	0	21	54	0	0	55	46
Oregon	28	0	--	28	0	0	0	0	0	0	0
Washington	369	8	NM	0	0	369	0	0	0	0	8
Pacific Noncontiguous	63	158	-60.0%	0	NM	63	80	0	44	0	NM
Alaska	0	88	-100.0%	0	NM	0	NM	0	44	0	0
Hawaii	63	69	-8.3%	0	0	63	61	0	0	0	NM
U.S. Total	70,939	73,473	-3.4%	52,255	53,081	17,938	18,544	9	117	738	1,731

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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) July 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	1,854	637	191.0%	484	186	1,352	410	0	0	17	41
Connecticut	237	14	NM	0	0	237	14	0	0	0	0
Maine	41	26	58.0%	0	0	24	16	0	0	17	11
Massachusetts	1,091	412	165.0%	0	0	1,091	381	0	0	0	30
New Hampshire	484	186	160.0%	484	186	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	20,461	24,835	-18.0%	0	NM	20,215	24,071	0	NM	246	741
New Jersey	601	505	19.0%	0	0	601	505	0	0	0	0
New York	1,714	976	76.0%	0	NM	1,520	784	0	NM	194	180
Pennsylvania	18,146	23,353	-22.0%	0	0	18,094	22,782	0	NM	52	561
East North Central	103,842	103,669	0.2%	68,649	62,705	33,545	37,917	46	248	1,601	2,799
Illinois	32,989	35,439	-6.9%	3,712	3,459	28,185	30,258	0	45	1,093	1,677
Indiana	20,530	22,062	-6.9%	19,071	19,657	1,459	2,238	0	108	0	58
Michigan	15,427	12,656	22.0%	15,235	12,320	78	113	46	54	68	169
Ohio	22,167	22,707	-2.4%	18,191	17,110	3,824	5,309	0	NM	152	282
Wisconsin	12,729	10,806	18.0%	12,441	10,159	0	0	0	34	288	612
West North Central	74,554	81,116	-8.1%	73,734	78,321	0	0	60	181	760	2,614
Iowa	11,056	14,443	-23.0%	10,296	12,805	0	0	0	128	760	1,510
Kansas	10,559	10,558	0.0%	10,559	10,558	0	0	0	0	0	0
Minnesota	6,960	7,357	-5.4%	6,960	6,771	0	0	0	NM	0	573
Missouri	23,896	25,991	-8.1%	23,836	25,878	0	0	60	40	0	72
Nebraska	8,471	8,617	-1.7%	8,471	8,297	0	0	0	0	0	320
North Dakota	12,585	13,229	-4.9%	12,585	13,091	0	0	0	0	0	138
South Dakota	1,028	921	12.0%	1,028	921	0	0	0	0	0	0
South Atlantic	61,162	68,370	-11.0%	49,315	55,064	10,951	11,167	0	NM	897	2,078
Delaware	316	314	0.6%	0	0	316	314	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	10,886	10,343	5.2%	10,488	9,669	398	510	0	0	0	164
Georgia	10,310	13,886	-26.0%	10,108	13,545	0	0	0	0	202	341
Maryland	3,780	3,471	8.9%	0	0	3,579	3,238	0	0	201	233
North Carolina	8,657	11,555	-25.0%	8,657	10,710	0	551	0	NM	0	261
South Carolina	5,217	7,210	-28.0%	5,146	7,011	0	46	0	0	71	153
Virginia	5,026	3,874	30.0%	4,411	2,774	350	426	0	28	265	646
West Virginia	16,970	17,717	-4.2%	10,505	11,355	6,307	6,082	0	0	158	281
East South Central	49,384	51,045	-3.3%	46,434	47,563	2,045	2,191	0	27	905	1,265
Alabama	12,268	14,128	-13.0%	12,268	13,891	0	27	0	0	0	211
Kentucky	22,461	22,895	-1.9%	22,461	22,895	0	0	0	0	0	0
Mississippi	3,228	3,813	-15.0%	1,184	1,649	2,045	2,164	0	0	0	0
Tennessee	11,427	10,209	12.0%	10,522	9,128	0	0	0	27	905	1,054
West South Central	84,563	87,728	-3.6%	43,652	45,983	40,911	41,236	0	0	0	509
Arkansas	9,622	10,225	-5.9%	8,571	8,743	1,051	1,412	0	0	0	70
Louisiana	8,392	9,516	-12.0%	4,534	4,560	3,858	4,943	0	0	0	NM
Oklahoma	10,193	11,589	-12.0%	9,553	10,626	639	681	0	0	0	282
Texas	56,356	56,399	-0.1%	20,993	22,054	35,363	34,201	0	0	0	145
Mountain	59,670	60,555	-1.5%	54,024	54,331	5,491	5,206	0	0	155	1,019
Arizona	12,376	13,386	-7.5%	12,376	13,176	0	0	0	0	0	210
Colorado	10,450	10,462	-0.1%	10,450	10,334	0	127	0	0	0	0
Idaho	0	69	-100.0%	0	0	0	0	0	0	0	69
Montana	5,041	4,405	14.0%	0	152	5,041	4,230	0	0	0	NM
Nevada	1,297	1,491	-13.0%	846	1,161	451	330	0	0	0	0
New Mexico	8,125	8,130	-0.1%	8,125	8,130	0	0	0	0	0	0
Utah	8,303	7,219	15.0%	8,148	6,869	0	240	0	0	155	110
Wyoming	14,080	15,393	-8.5%	14,080	14,510	0	278	0	0	0	606
Pacific Contiguous	2,572	2,656	-3.1%	750	748	1,459	1,486	0	0	363	421
California	469	739	-36.0%	0	0	106	376	0	0	363	363
Oregon	750	748	0.3%	750	748	0	0	0	0	0	0
Washington	1,353	1,169	16.0%	0	0	1,353	1,110	0	0	0	58
Pacific Noncontiguous	422	1,040	-59.0%	0	158	422	492	0	338	0	52
Alaska	0	617	-100.0%	0	158	0	121	0	338	0	0
Hawaii	422	423	-0.3%	0	0	422	371	0	0	0	52
U.S. Total	458,484	481,653	-4.8%	337,042	345,069	116,392	124,176	106	869	4,944	11,539

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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, July 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	76	NM	NM	1	NM	75	46	0	NM	0	NM
Connecticut	1	NM	NM	0	NM	1	NM	0	0	0	NM
Maine	0	NM	NM	0	NM	0	NM	0	NM	0	NM
Massachusetts	74	40	86.0%	0	NM	74	34	0	NM	0	NM
New Hampshire	1	NM	NM	1	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	386	223	73.0%	160	84	225	121	0	NM	1	NM
New Jersey	9	NM	NM	0	NM	9	NM	0	NM	0	NM
New York	284	119	139.0%	160	83	123	22	0	NM	1	12
Pennsylvania	93	91	3.2%	0	NM	93	87	0	NM	0	NM
East North Central	97	121	-20.0%	72	91	23	23	0	NM	2	NM
Illinois	13	13	-3.9%	4	NM	9	8	0	NM	0	NM
Indiana	15	22	-34.0%	15	19	0	NM	0	NM	0	NM
Michigan	21	NM	NM	21	NM	0	0	0	NM	0	0
Ohio	45	45	0.4%	30	28	13	15	0	NM	1	2
Wisconsin	4	NM	NM	2	NM	1	NM	0	NM	0	NM
West North Central	45	76	-41.0%	45	73	0	NM	0	NM	0	NM
Iowa	13	NM	NM	13	NM	0	NM	0	NM	0	NM
Kansas	15	12	19.0%	15	12	0	0	0	0	0	0
Minnesota	5	NM	NM	5	NM	0	NM	0	NM	0	NM
Missouri	6	29	-80.0%	6	29	0	NM	0	NM	0	0
Nebraska	1	NM	NM	1	NM	0	0	0	0	0	0
North Dakota	5	NM	NM	5	NM	0	0	0	NM	0	NM
South Dakota	0	NM	NM	0	NM	0	NM	0	NM	0	0
South Atlantic	293	528	-45.0%	240	354	29	NM	0	NM	24	NM
Delaware	3	NM	NM	0	NM	3	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	47	NM	NM	47	160	0	NM	0	0	0	NM
Georgia	12	NM	NM	9	14	0	NM	0	NM	3	NM
Maryland	16	NM	NM	0	NM	16	NM	0	NM	0	NM
North Carolina	23	NM	NM	23	38	0	NM	0	NM	0	NM
South Carolina	39	35	11.0%	23	17	0	0	0	NM	16	18
Virginia	121	128	-5.5%	107	82	10	30	0	0	4	NM
West Virginia	32	40	-20.0%	32	40	0	0	0	0	0	0
East South Central	31	NM	NM	31	25	0	NM	0	0	0	NM
Alabama	10	NM	NM	10	6	0	NM	0	0	0	NM
Kentucky	14	14	-1.8%	14	14	0	0	0	0	0	0
Mississippi	3	NM	NM	3	NM	0	0	0	0	0	NM
Tennessee	4	NM	NM	4	4	0	0	0	0	0	NM
West South Central	14	NM	NM	5	15	9	10	0	NM	0	NM
Arkansas	0	NM	NM	0	0	0	1	0	0	0	NM
Louisiana	7	NM	NM	0	3	7	2	0	0	0	NM
Oklahoma	0	10	-96.0%	0	10	0	0	0	NM	0	0
Texas	6	NM	NM	4	NM	2	7	0	NM	0	NM
Mountain	22	NM	NM	19	NM	3	NM	0	NM	0	NM
Arizona	4	NM	NM	4	NM	0	0	0	NM	0	NM
Colorado	0	NM	NM	0	NM	0	0	0	0	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	3	NM	NM	0	NM	3	NM	0	0	0	0
Nevada	3	4	-32.0%	3	NM	0	1	0	0	0	0
New Mexico	6	NM	NM	6	NM	0	NM	0	0	0	NM
Utah	2	NM	NM	2	NM	0	NM	0	0	0	0
Wyoming	5	NM	NM	5	NM	0	0	0	0	0	NM
Pacific Contiguous	3	NM	NM	0	NM	3	NM	0	NM	0	NM
California	0	NM	NM	0	NM	0	0	0	NM	0	NM
Oregon	0	NM	NM	0	NM	0	0	0	NM	0	NM
Washington	3	NM	NM	0	NM	3	NM	0	NM	0	NM
Pacific Noncontiguous	799	1,331	-40.0%	610	1,083	189	193	0	NM	0	NM
Alaska	0	NM	NM	0	NM	0	0	0	NM	0	NM
Hawaii	799	1,165	-31.0%	610	925	189	193	0	NM	0	NM
U.S. Total	1,765	2,519	-30.0%	1,182	1,756	557	466	0	NM	27	NM

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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 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	936	615	52.0%	107	NM	815	278	0	NM	15	212
Connecticut	118	151	-22.0%	0	NM	118	136	0	0	0	NM
Maine	381	275	39.0%	0	NM	367	NM	0	NM	15	200
Massachusetts	310	105	194.0%	0	NM	310	73	0	NM	0	NM
New Hampshire	107	NM	NM	107	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	1,511	1,455	3.8%	389	419	1,104	792	0	116	17	129
New Jersey	44	NM	NM	0	NM	44	NM	0	NM	0	NM
New York	1,164	983	18.0%	389	413	758	354	0	113	16	102
Pennsylvania	303	406	-25.0%	0	NM	302	385	0	NM	1	NM
East North Central	633	798	-21.0%	509	595	111	102	0	NM	13	88
Illinois	79	83	-5.2%	25	NM	53	55	0	NM	0	NM
Indiana	137	199	-31.0%	137	127	0	NM	0	NM	0	72
Michigan	143	169	-16.0%	135	152	0	0	0	NM	7	5
Ohio	230	294	-22.0%	170	240	56	46	0	NM	4	8
Wisconsin	44	52	-15.0%	41	49	2	NM	0	NM	1	NM
West North Central	285	436	-35.0%	285	418	0	NM	0	NM	0	NM
Iowa	69	140	-51.0%	69	137	0	NM	0	NM	0	NM
Kansas	62	58	7.0%	62	58	0	0	0	0	0	0
Minnesota	17	NM	NM	17	NM	0	NM	0	NM	0	NM
Missouri	69	126	-45.0%	69	126	0	NM	0	NM	0	0
Nebraska	21	25	-19.0%	21	25	0	0	0	0	0	0
North Dakota	42	50	-16.0%	42	42	0	0	0	NM	0	NM
South Dakota	5	NM	NM	5	NM	0	NM	0	NM	0	0
South Atlantic	1,719	2,364	-27.0%	1,274	1,325	240	NM	0	NM	205	771
Delaware	23	NM	NM	0	NM	23	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	610	584	4.3%	604	399	6	NM	0	0	0	NM
Georgia	159	349	-55.0%	96	185	4	NM	0	NM	59	163
Maryland	106	162	-34.0%	0	NM	106	84	0	NM	0	66
North Carolina	197	369	-47.0%	148	207	49	NM	0	NM	0	159
South Carolina	195	356	-45.0%	74	209	0	0	0	NM	121	147
Virginia	279	351	-20.0%	201	174	53	81	0	3	25	NM
West Virginia	151	149	1.9%	151	139	0	10	0	0	0	0
East South Central	453	373	21.0%	453	249	0	NM	0	0	0	120
Alabama	103	165	-38.0%	103	63	0	NM	0	0	0	97
Kentucky	110	119	-7.1%	110	119	0	0	0	0	0	0
Mississippi	13	NM	NM	13	15	0	0	0	0	0	NM
Tennessee	227	67	238.0%	227	52	0	0	0	0	0	NM
West South Central	169	207	-18.0%	56	84	114	92	0	NM	0	NM
Arkansas	33	51	-36.0%	10	32	23	11	0	0	0	NM
Louisiana	35	NM	NM	5	15	29	16	0	0	0	NM
Oklahoma	11	NM	NM	11	NM	0	0	0	NM	0	0
Texas	91	98	-7.7%	29	24	62	64	0	NM	0	NM
Mountain	219	296	-26.0%	205	254	15	36	0	NM	0	NM
Arizona	57	60	-6.2%	57	57	0	0	0	NM	0	NM
Colorado	4	NM	NM	4	NM	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	11	28	-60.0%	0	NM	11	23	0	0	0	0
Nevada	17	24	-30.0%	13	18	4	7	0	0	0	0
New Mexico	55	62	-12.0%	55	57	0	NM	0	0	0	NM
Utah	34	45	-26.0%	34	45	0	NM	0	0	0	0
Wyoming	43	54	-21.0%	43	52	0	0	0	0	0	NM
Pacific Contiguous	32	211	-85.0%	21	45	11	NM	0	NM	0	NM
California	0	NM	NM	0	38	0	NM	0	NM	0	NM
Oregon	6	NM	NM	6	7	0	0	0	NM	0	NM
Washington	26	NM	NM	15	NM	11	NM	0	NM	0	NM
Pacific Noncontiguous	5,258	8,396	-37.0%	4,132	6,890	1,126	1,163	0	NM	0	334
Alaska	0	1,065	-100.0%	0	998	0	0	0	NM	0	NM
Hawaii	5,258	7,331	-28.0%	4,132	5,892	1,126	1,163	0	2	0	275
U.S. Total	11,216	15,150	-26.0%	7,430	10,328	3,535	2,764	0	228	251	1,830

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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, July 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 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	0	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	76	108	-30.0%	7	15	54	59	0	0	15	NM
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	8	-100.0%	0	8	0	0	0	0	0	0
Michigan	4	NM	NM	0	0	4	8	0	0	0	NM
Ohio	50	62	-19.0%	0	0	50	51	0	0	0	NM
Wisconsin	22	22	-2.5%	7	8	0	0	0	0	15	15
West North Central	0	1	-100.0%	0	0	0	0	0	1	0	0
Iowa	0	1	-100.0%	0	0	0	0	0	1	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	140	24	487.0%	133	17	0	0	0	0	7	7
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	133	17	686.0%	133	17	0	0	0	0	0	0
Georgia	7	7	1.4%	0	0	0	0	0	0	7	7
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	68	37	81.0%	68	37	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	68	37	81.0%	68	37	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	135	108	25.0%	107	57	0	9	0	0	28	41
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	107	72	48.0%	107	57	0	0	0	0	0	NM
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	28	35	-21.0%	0	0	0	9	0	0	28	26
Mountain	0	18	-100.0%	0	0	0	18	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	18	-100.0%	0	0	0	18	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	418	307	36.0%	314	127	54	88	0	1	50	91

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	479	693	-31.0%	21	76	375	365	0	0	83	252
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	48	-100.0%	0	48	0	0	0	0	0	0
Michigan	27	87	-69.0%	14	0	13	18	0	0	0	69
Ohio	362	440	-18.0%	0	0	362	347	0	0	0	92
Wisconsin	90	119	-24.0%	7	28	0	0	0	0	83	90
West North Central	0	6	-100.0%	0	NM	0	0	0	5	0	0
Iowa	0	6	-100.0%	0	NM	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	655	359	83.0%	611	251	0	0	0	0	45	108
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	611	251	143.0%	611	251	0	0	0	0	0	0
Georgia	45	108	-58.0%	0	0	0	0	0	0	45	108
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	336	312	7.9%	336	312	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	336	312	7.9%	336	312	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	1,102	970	14.0%	910	562	0	31	0	0	193	376
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	910	688	32.0%	910	562	0	0	0	0	0	125
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	193	280	-31.0%	0	0	0	31	0	0	193	249
Mountain	0	140	-100.0%	0	0	0	140	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	140	-100.0%	0	0	0	140	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	146	-100.0%	0	0	0	92	0	0	0	NM
California	0	146	-100.0%	0	0	0	92	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	2,574	2,653	-3.0%	1,878	1,203	375	631	0	5	320	814

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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, July 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	46,101	55,000	-16.0%	528	1,168	44,343	49,710	0	1,072	1,230	3,050
Connecticut	11,102	13,684	-19.0%	0	78	11,102	12,823	0	288	0	496
Maine	3,410	5,688	-40.0%	0	0	2,180	3,585	0	NM	1,230	2,101
Massachusetts	21,560	23,688	-9.0%	420	627	21,141	22,039	0	604	0	418
New Hampshire	4,140	5,460	-24.0%	108	460	4,032	4,966	0	0	0	34
Rhode Island	5,888	6,476	-9.1%	0	0	5,888	6,297	0	179	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	119,502	140,545	-15.0%	13,915	17,900	105,450	119,360	0	976	136	2,309
New Jersey	26,226	29,870	-12.0%	0	0	26,226	28,895	0	194	0	781
New York	56,881	66,929	-15.0%	13,915	17,870	42,901	47,962	0	691	65	405
Pennsylvania	36,395	43,746	-17.0%	0	30	36,323	42,502	0	91	72	1,123
East North Central	52,768	112,398	-53.0%	19,172	42,796	33,189	63,609	345	1,952	62	4,040
Illinois	9,556	23,665	-60.0%	1,079	4,335	8,477	17,731	0	485	0	1,114
Indiana	7,356	17,102	-57.0%	4,528	11,700	2,828	3,941	0	159	0	1,301
Michigan	12,072	33,427	-64.0%	4,272	10,791	7,396	21,025	345	806	58	804
Ohio	17,037	20,721	-18.0%	6,195	6,605	10,843	13,648	0	233	0	235
Wisconsin	6,746	17,483	-61.0%	3,098	9,365	3,644	7,263	0	269	4	585
West North Central	15,906	43,432	-63.0%	13,725	36,952	2,086	5,089	96	562	0	829
Iowa	2,773	5,845	-53.0%	2,773	5,779	0	NM	0	39	0	25
Kansas	2,250	7,310	-69.0%	2,250	7,293	0	0	0	0	0	NM
Minnesota	4,987	13,482	-63.0%	3,786	10,157	1,201	2,454	0	350	0	521
Missouri	4,220	11,415	-63.0%	3,240	8,607	885	2,634	96	168	0	NM
Nebraska	951	3,797	-75.0%	951	3,669	0	0	0	NM	0	123
North Dakota	0	136	-100.0%	0	NM	0	0	0	0	0	135
South Dakota	725	1,447	-50.0%	725	1,447	0	0	0	0	0	0
South Atlantic	184,820	236,393	-22.0%	145,372	168,881	37,320	60,463	0	NM	2,128	6,748
Delaware	5,944	7,464	-20.0%	0	53	4,832	6,436	0	0	1,112	975
District of Columbia	0	115	-100.0%	0	115	0	0	0	0	0	0
Florida	94,716	118,394	-20.0%	89,942	103,566	4,773	12,356	0	NM	0	2,423
Georgia	25,574	41,134	-38.0%	18,564	19,719	6,303	19,866	0	0	707	1,550
Maryland	4,651	8,419	-45.0%	0	0	4,588	7,790	0	209	64	420
North Carolina	19,554	21,082	-7.2%	12,884	18,164	6,669	2,589	0	NM	0	NM
South Carolina	11,442	12,690	-9.8%	9,296	10,215	2,104	2,398	0	NM	42	NM
Virginia	22,098	26,462	-16.0%	14,506	17,017	7,388	8,537	0	0	204	907
West Virginia	841	633	33.0%	180	32	661	492	0	0	0	109
East South Central	62,015	98,550	-37.0%	36,688	51,836	25,317	42,967	0	NM	10	3,537
Alabama	29,147	46,430	-37.0%	8,196	11,390	20,951	32,570	0	0	0	2,471
Kentucky	2,727	6,277	-57.0%	2,253	4,506	474	1,390	0	0	0	381
Mississippi	26,120	36,633	-29.0%	22,228	27,080	3,892	9,007	0	NM	0	NM
Tennessee	4,021	9,210	-56.0%	4,011	8,860	0	0	0	171	10	179
West South Central	272,271	354,217	-23.0%	85,089	108,602	133,340	165,632	0	785	53,842	79,198
Arkansas	10,030	19,317	-48.0%	3,401	5,600	6,630	13,060	0	NM	0	NM
Louisiana	47,627	61,507	-23.0%	21,840	26,772	8,049	10,403	0	NM	17,739	24,273
Oklahoma	29,158	46,102	-37.0%	21,270	33,970	7,888	11,592	0	NM	0	NM
Texas	185,455	227,291	-18.0%	38,579	42,260	110,773	130,577	0	557	36,104	53,896
Mountain	74,310	79,290	-6.3%	44,437	46,011	29,861	31,523	0	NM	13	NM
Arizona	31,941	29,835	7.1%	14,025	13,772	17,915	15,977	0	NM	0	NM
Colorado	8,949	11,051	-19.0%	4,422	5,631	4,527	NM	0	NM	0	NM
Idaho	2,604	2,033	28.0%	1,693	1,453	912	469	0	0	0	111
Montana	0	399	-100.0%	0	316	0	82	0	0	0	0
Nevada	19,783	21,258	-6.9%	15,788	15,157	3,995	NM	0	NM	0	NM
New Mexico	6,709	NM	NM	4,751	5,437	1,958	NM	0	NM	0	NM
Utah	4,316	NM	NM	3,750	4,077	553	771	0	NM	13	NM
Wyoming	8	1,158	-99.0%	8	168	0	62	0	0	0	929
Pacific Contiguous	87,203	101,808	-14.0%	32,560	29,127	50,658	55,429	0	NM	3,985	NM
California	71,842	93,854	-23.0%	22,866	25,540	44,991	51,655	0	NM	3,985	NM
Oregon	8,476	4,482	89.0%	3,667	1,179	4,810	3,067	0	90	0	146
Washington	6,885	3,472	98.0%	6,028	2,408	858	707	0	179	0	178
Pacific Noncontiguous	1,893	3,973	-52.0%	1,893	3,876	0	0	0	NM	0	88
Alaska	1,893	3,973	-52.0%	1,893	3,876	0	0	0	NM	0	88
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	916,789	1,225,606	-25.0%	393,380	507,149	461,562	593,781	440	NM	61,407	115,922

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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.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	211,406	274,740	-23.0%	1,076	2,593	202,263	245,162	0	7,571	8,066	19,414
Connecticut	62,188	67,022	-7.2%	0	498	62,188	61,643	0	1,866	0	3,016
Maine	20,377	29,902	-32.0%	0	0	12,311	16,194	0	NM	8,066	13,698
Massachusetts	87,603	110,139	-20.0%	827	1,452	86,776	101,691	0	4,511	0	2,485
New Hampshire	15,931	31,057	-49.0%	249	621	15,682	30,220	0	0	0	NM
Rhode Island	25,306	36,598	-31.0%	0	0	25,306	35,414	0	1,184	0	0
Vermont	0	22	-100.0%	0	22	0	0	0	0	0	0
Middle Atlantic	558,524	682,539	-18.0%	65,179	79,552	492,209	581,371	0	6,367	1,136	15,250
New Jersey	115,192	140,304	-18.0%	0	0	115,192	134,022	0	1,233	0	5,048
New York	246,144	300,305	-18.0%	65,179	79,491	180,498	213,211	0	4,671	467	2,932
Pennsylvania	197,188	241,931	-18.0%	0	61	196,519	234,138	0	463	669	7,269
East North Central	257,487	480,232	-46.0%	94,842	165,794	158,604	274,991	2,335	13,121	1,706	26,326
Illinois	25,864	67,845	-62.0%	3,380	11,102	22,449	45,691	0	3,737	35	7,315
Indiana	41,505	85,896	-52.0%	27,481	58,750	14,024	17,754	0	1,057	0	8,334
Michigan	61,852	149,427	-59.0%	14,976	32,304	43,833	106,954	2,335	5,081	709	5,088
Ohio	93,530	108,190	-14.0%	32,197	28,441	61,299	76,663	0	1,371	34	1,715
Wisconsin	34,735	68,874	-50.0%	16,808	35,197	16,999	27,929	0	1,874	928	3,874
West North Central	69,122	126,715	-45.0%	58,519	102,371	10,159	15,268	436	3,720	8	5,357
Iowa	9,278	11,970	-22.0%	9,270	11,647	0	NM	0	261	8	59
Kansas	9,883	22,943	-57.0%	9,883	22,870	0	0	0	0	0	NM
Minnesota	26,143	45,150	-42.0%	21,604	32,942	4,539	6,373	0	2,516	0	3,319
Missouri	20,949	35,962	-42.0%	14,892	26,107	5,620	8,893	436	912	0	NM
Nebraska	1,784	7,239	-75.0%	1,784	6,358	0	0	0	NM	0	850
North Dakota	0	1,006	-100.0%	0	NM	0	0	0	0	0	1,005
South Dakota	1,086	2,446	-56.0%	1,086	2,446	0	0	0	0	0	0
South Atlantic	1,063,463	1,247,898	-15.0%	857,106	911,786	187,036	287,990	0	1,924	19,322	46,198
Delaware	34,619	42,319	-18.0%	0	154	23,999	33,930	0	0	10,620	8,235
District of Columbia	0	674	-100.0%	0	674	0	0	0	0	0	0
Florida	574,831	688,581	-17.0%	546,391	606,578	28,441	65,484	0	NM	0	16,214
Georgia	169,485	194,269	-13.0%	124,723	102,810	38,962	81,372	0	0	5,800	10,087
Maryland	13,668	37,519	-64.0%	0	0	13,249	33,163	0	1,351	419	3,005
North Carolina	113,303	94,342	20.0%	74,448	77,541	38,684	14,487	0	NM	171	2,057
South Carolina	54,707	68,262	-20.0%	49,980	55,034	4,530	12,212	0	NM	197	NM
Virginia	100,709	119,644	-16.0%	61,200	68,892	37,395	45,910	0	0	2,114	4,843
West Virginia	2,141	2,288	-6.4%	365	103	1,776	1,433	0	0	0	752
East South Central	365,485	539,166	-32.0%	213,587	287,206	151,810	227,099	0	1,356	88	23,505
Alabama	183,114	264,403	-31.0%	52,556	67,133	130,559	181,471	0	0	0	15,799
Kentucky	10,769	27,326	-61.0%	8,989	21,799	1,780	2,830	0	0	0	2,696
Mississippi	149,246	207,954	-28.0%	129,775	161,219	19,471	42,798	0	NM	0	3,679
Tennessee	22,356	39,483	-43.0%	22,267	37,054	0	0	0	1,097	88	1,332
West South Central	1,482,911	1,945,211	-24.0%	385,372	509,287	736,798	907,579	0	5,049	360,742	523,295
Arkansas	56,908	88,512	-36.0%	6,425	16,718	50,484	66,111	0	NM	0	5,680
Louisiana	255,918	354,652	-28.0%	105,702	137,188	41,543	58,958	0	NM	108,673	158,121
Oklahoma	142,097	209,027	-32.0%	109,284	146,017	32,813	59,323	0	NM	0	2,588
Texas	1,027,987	1,293,020	-20.0%	163,960	209,364	611,958	723,187	0	3,562	252,068	356,907
Mountain	313,418	388,942	-19.0%	201,345	229,443	111,690	144,844	0	NM	383	NM
Arizona	102,975	133,972	-23.0%	46,147	65,846	56,828	67,441	0	NM	0	NM
Colorado	45,326	52,527	-14.0%	25,460	30,381	19,866	21,958	0	NM	0	NM
Idaho	10,773	8,046	34.0%	5,295	2,398	5,478	4,636	0	0	0	1,012
Montana	0	1,113	-100.0%	0	945	0	168	0	0	0	0
Nevada	94,438	107,824	-12.0%	79,414	76,465	15,025	NM	0	NM	0	NM
New Mexico	36,656	45,268	-19.0%	24,656	27,769	12,000	NM	0	NM	0	NM
Utah	23,194	31,164	-26.0%	20,319	25,248	2,492	4,038	0	NM	383	NM
Wyoming	55	9,028	-99.0%	55	392	0	124	0	0	0	8,511
Pacific Contiguous	459,051	642,169	-29.0%	168,322	184,171	265,221	344,029	0	NM	25,507	NM
California	384,319	577,043	-33.0%	127,413	157,272	231,398	311,276	0	NM	25,507	NM
Oregon	49,326	41,442	19.0%	16,997	12,363	32,329	27,091	0	657	0	1,331
Washington	25,406	23,684	7.3%	23,912	14,536	1,494	5,662	0	1,326	0	2,160
Pacific Noncontiguous	14,658	26,664	-45.0%	14,658	25,972	0	0	0	NM	0	638
Alaska	14,658	26,664	-45.0%	14,658	25,972	0	0	0	NM	0	638
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	4,795,525	6,354,276	-25.0%	2,060,005	2,498,177	2,315,789	3,028,334	2,772	NM	416,959	769,512

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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, July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012
New England	W	W	W	4.31	--	W	W
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.31	--	--	4.31	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.66	2.51	6.0%	--	NM	2.66	2.51
New Jersey	3.86	4.09	-5.6%	--	--	3.86	4.09
New York	2.95	3.13	-5.8%	--	NM	2.95	3.13
Pennsylvania	2.57	2.38	8.0%	--	--	2.57	2.38
East North Central	2.25	2.42	-7.0%	2.38	2.55	1.94	2.17
Illinois	1.88	1.94	-3.1%	2.04	2.11	1.86	1.92
Indiana	W	W	W	2.48	2.58	W	W
Michigan	W	W	W	2.61	2.93	W	W
Ohio	W	2.60	W	2.18	2.41	W	3.26
Wisconsin	2.34	2.47	-5.3%	2.34	2.47	--	--
West North Central	1.74	1.72	1.2%	1.74	1.72	--	--
Iowa	1.63	1.48	10.0%	1.63	1.48	--	--
Kansas	1.76	1.83	-3.8%	1.76	1.83	--	--
Minnesota	1.98	2.01	-1.5%	1.98	2.01	--	--
Missouri	1.91	1.87	2.1%	1.91	1.87	--	--
Nebraska	1.39	1.55	-10.0%	1.39	1.55	--	--
North Dakota	1.54	1.43	7.7%	1.54	1.43	--	--
South Dakota	1.94	2.13	-8.9%	1.94	2.13	--	--
South Atlantic	3.20	3.37	-5.0%	3.26	3.47	2.94	2.95
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.29	3.41	W	W
Georgia	2.98	3.57	-17.0%	2.98	3.57	--	--
Maryland	3.32	3.41	-2.6%	--	--	3.32	3.41
North Carolina	3.92	3.76	4.3%	3.92	3.79	--	3.23
South Carolina	3.78	3.99	-5.3%	3.78	3.99	--	--
Virginia	W	3.58	W	3.22	3.55	W	3.80
West Virginia	2.54	2.53	0.4%	2.71	2.71	2.19	2.24
East South Central	W	W	W	2.54	2.79	W	W
Alabama	2.85	W	W	2.85	3.13	--	W
Kentucky	2.34	2.46	-4.9%	2.34	2.46	--	--
Mississippi	W	W	W	3.81	4.36	W	W
Tennessee	2.35	2.76	-15.0%	2.35	2.76	--	--
West South Central	2.09	2.04	2.5%	2.29	2.14	1.88	1.93
Arkansas	W	W	W	2.42	2.40	W	W
Louisiana	W	W	W	3.01	2.80	W	W
Oklahoma	W	W	W	2.01	1.98	W	W
Texas	1.97	1.92	2.6%	2.20	1.97	1.84	1.89
Mountain	W	1.92	W	1.91	1.92	W	1.91
Arizona	2.12	2.13	-0.5%	2.12	2.13	--	--
Colorado	1.88	W	W	1.88	1.84	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	2.85	2.66	W	W
New Mexico	2.39	2.17	10.0%	2.39	2.17	--	--
Utah	1.89	W	W	1.89	1.99	--	W
Wyoming	1.46	W	W	1.46	1.48	--	W
Pacific Contiguous	W	3.35	W	2.28	--	W	3.35
California	W	3.35	W	--	--	W	3.35
Oregon	2.28	--	--	2.28	--	--	--
Washington	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	2.31	2.40	-3.7%	2.34	2.44	2.19	2.28

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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) July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	3.81	3.79	0.5%	4.25	3.97	3.63	3.70
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.25	3.97	7.1%	4.25	3.97	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.60	2.54	2.4%	--	NM	2.60	2.54
New Jersey	3.76	4.15	-9.4%	--	--	3.76	4.15
New York	2.97	3.46	-14.0%	--	NM	2.97	3.45
Pennsylvania	2.53	2.47	2.4%	--	--	2.53	2.47
East North Central	2.28	2.41	-5.4%	2.42	2.55	1.96	2.16
Illinois	1.89	1.92	-1.6%	2.09	2.11	1.86	1.90
Indiana	W	W	W	2.54	2.61	W	W
Michigan	W	W	W	2.73	2.93	W	W
Ohio	W	2.60	W	2.21	2.42	W	3.18
Wisconsin	2.31	2.34	-1.3%	2.31	2.34	--	--
West North Central	1.77	1.73	2.3%	1.77	1.73	--	--
Iowa	1.63	1.47	11.0%	1.63	1.47	--	--
Kansas	1.80	1.84	-2.2%	1.80	1.84	--	--
Minnesota	2.02	1.96	3.1%	2.02	1.96	--	--
Missouri	1.91	1.86	2.7%	1.91	1.86	--	--
Nebraska	1.45	1.56	-7.1%	1.45	1.56	--	--
North Dakota	1.56	1.49	4.7%	1.56	1.49	--	--
South Dakota	2.01	2.23	-9.9%	2.01	2.23	--	--
South Atlantic	3.24	3.37	-3.9%	3.35	3.47	2.81	2.90
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.45	3.49	W	W
Georgia	3.20	3.55	-9.9%	3.20	3.55	--	--
Maryland	3.54	3.49	1.4%	--	--	3.54	3.49
North Carolina	3.86	3.79	1.8%	3.86	3.81	--	3.20
South Carolina	3.78	W	W	3.78	4.01	--	W
Virginia	W	W	W	3.34	3.69	W	W
West Virginia	2.51	2.52	-0.4%	2.72	2.66	2.16	2.23
East South Central	W	W	W	2.53	2.71	W	W
Alabama	2.79	W	W	2.79	3.02	--	W
Kentucky	2.36	2.44	-3.3%	2.36	2.44	--	--
Mississippi	W	W	W	4.08	4.42	W	W
Tennessee	2.44	2.64	-7.6%	2.44	2.64	--	--
West South Central	2.10	2.04	2.9%	2.26	2.08	1.92	2.00
Arkansas	W	W	W	2.37	2.13	W	W
Louisiana	W	W	W	2.88	2.77	W	W
Oklahoma	W	W	W	2.03	1.98	W	W
Texas	2.00	1.97	1.5%	2.19	1.98	1.87	1.96
Mountain	W	1.85	W	1.93	1.89	W	1.46
Arizona	2.07	2.06	0.5%	2.07	2.06	--	--
Colorado	1.91	W	W	1.91	1.85	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.50	W	W
Nevada	W	W	W	2.65	2.60	W	W
New Mexico	2.32	2.21	5.0%	2.32	2.21	--	--
Utah	2.00	W	W	2.00	1.95	--	W
Wyoming	1.48	W	W	1.48	1.45	--	W
Pacific Contiguous	W	2.35	W	1.94	1.89	W	2.56
California	W	W	W	--	--	W	W
Oregon	1.94	1.89	2.6%	1.94	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.69	W	W
Alaska	--	W	W	--	1.69	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.34	2.40	-2.5%	2.38	2.44	2.21	2.28

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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, July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012
New England	W	19.10	W	22.37	21.38	W	18.75
Connecticut	23.85	NM	NM	--	NM	23.85	NM
Maine	W	W	W	--	NM	W	W
Massachusetts	W	17.02	W	--	NM	W	16.88
New Hampshire	22.37	W	W	22.37	21.42	--	W
Rhode Island	--	W	W	--	NM	--	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	21.67	20.61	5.1%	24.49	22.60	19.83	19.27
New Jersey	W	19.07	W	--	NM	W	19.06
New York	22.21	22.51	-1.3%	24.49	22.64	19.52	22.05
Pennsylvania	W	18.62	W	--	NM	W	18.62
East North Central	22.21	21.65	2.6%	22.19	21.51	22.26	22.21
Illinois	W	W	W	23.13	22.08	W	W
Indiana	22.33	W	W	22.33	22.08	--	W
Michigan	W	NM	W	22.49	NM	W	--
Ohio	21.90	21.39	2.4%	21.83	21.20	22.05	21.75
Wisconsin	W	W	W	21.70	21.50	W	W
West North Central	22.49	21.43	4.9%	22.49	21.42	--	NM
Iowa	22.32	21.83	2.2%	22.32	21.82	--	NM
Kansas	22.62	21.89	3.3%	22.62	21.89	--	--
Minnesota	22.67	W	W	22.67	NM	--	W
Missouri	22.26	W	W	22.26	20.44	--	W
Nebraska	22.06	NM	NM	22.06	NM	--	--
North Dakota	22.73	22.63	0.4%	22.73	22.63	--	--
South Dakota	--	W	W	--	NM	--	W
South Atlantic	20.07	W	W	19.80	18.65	22.43	W
Delaware	W	22.33	W	--	NM	W	22.37
District of Columbia	--	--	--	--	--	--	--
Florida	W	NM	W	23.23	18.31	W	NM
Georgia	23.77	W	W	23.77	22.50	--	W
Maryland	21.66	20.75	4.4%	--	NM	21.66	20.73
North Carolina	22.92	21.55	6.4%	22.92	21.57	--	NM
South Carolina	23.05	14.35	61.0%	23.05	14.35	--	--
Virginia	W	W	W	15.79	16.45	W	W
West Virginia	23.61	22.59	4.5%	23.61	22.59	--	--
East South Central	22.51	W	W	22.51	21.76	--	W
Alabama	23.25	W	W	23.25	22.14	--	W
Kentucky	22.22	21.85	1.7%	22.22	21.85	--	--
Mississippi	22.29	NM	NM	22.29	NM	--	--
Tennessee	21.77	21.07	3.3%	21.77	21.07	--	--
West South Central	W	21.73	W	22.42	21.79	W	21.65
Arkansas	--	W	W	--	--	--	W
Louisiana	W	W	W	--	21.28	W	W
Oklahoma	23.57	21.93	7.5%	23.57	21.93	--	--
Texas	W	W	W	22.31	21.88	W	W
Mountain	W	19.44	W	24.35	20.65	W	NM
Arizona	28.29	NM	NM	28.29	NM	--	--
Colorado	--	NM	--	--	NM	--	--
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	24.62	22.03	W	W
New Mexico	24.29	W	W	24.29	NM	--	W
Utah	21.16	W	W	21.16	NM	--	W
Wyoming	22.30	NM	NM	22.30	NM	--	--
Pacific Contiguous	W	W	W	--	NM	W	W
California	--	21.91	--	--	21.91	--	--
Oregon	--	NM	--	--	NM	--	--
Washington	W	W	W	--	NM	W	W
Pacific Noncontiguous	W	W	W	19.89	21.04	W	W
Alaska	--	21.35	--	--	21.35	--	--
Hawaii	W	W	W	19.89	21.00	W	W
U.S. Total	20.56	20.67	-0.5%	20.82	20.68	20.01	20.63

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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) July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	W	W	W	17.30	21.34	W	W
Connecticut	20.18	W	W	--	NM	20.18	W
Maine	W	W	W	--	NM	W	W
Massachusetts	18.44	19.64	-6.1%	--	NM	18.44	19.72
New Hampshire	17.30	W	W	17.30	NM	--	W
Rhode Island	W	W	W	--	NM	W	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	20.50	21.37	-4.1%	22.22	20.79	19.88	21.68
New Jersey	21.04	20.51	2.6%	--	NM	21.04	20.54
New York	20.17	21.35	-5.5%	22.22	20.79	19.13	22.00
Pennsylvania	21.81	21.53	1.3%	--	NM	21.81	21.53
East North Central	22.94	22.61	1.5%	22.93	22.49	23.00	23.34
Illinois	W	W	W	23.62	23.30	W	W
Indiana	23.01	W	W	23.01	22.70	--	W
Michigan	W	22.34	W	22.96	22.34	W	--
Ohio	22.83	22.47	1.6%	22.82	22.44	22.83	22.62
Wisconsin	W	W	W	22.55	22.20	W	W
West North Central	22.63	22.20	1.9%	22.63	22.19	--	NM
Iowa	22.64	W	W	22.64	22.86	--	W
Kansas	22.59	22.12	2.1%	22.59	22.12	--	--
Minnesota	24.87	W	W	24.87	23.46	--	W
Missouri	21.90	W	W	21.90	20.58	--	W
Nebraska	22.38	22.77	-1.7%	22.38	22.77	--	--
North Dakota	23.04	23.59	-2.3%	23.04	23.59	--	--
South Dakota	23.30	W	W	23.30	21.57	--	W
South Atlantic	W	21.47	W	20.36	21.54	W	NM
Delaware	W	23.35	W	--	NM	W	23.44
District of Columbia	--	W	W	--	--	--	W
Florida	W	20.05	W	19.10	20.76	W	NM
Georgia	W	W	W	23.47	24.12	W	W
Maryland	21.69	22.13	-2.0%	--	NM	21.69	22.19
North Carolina	W	22.69	W	22.79	22.72	W	NM
South Carolina	23.25	20.76	12.0%	23.25	20.76	--	--
Virginia	W	20.27	W	17.63	19.19	W	22.71
West Virginia	23.76	W	W	23.76	22.88	--	W
East South Central	22.57	W	W	22.57	22.23	--	W
Alabama	22.21	W	W	22.21	22.47	--	W
Kentucky	22.61	22.37	1.1%	22.61	22.37	--	--
Mississippi	21.63	21.39	1.1%	21.63	21.39	--	--
Tennessee	22.76	21.83	4.3%	22.76	21.83	--	--
West South Central	22.21	22.45	-1.1%	22.45	22.70	22.08	22.23
Arkansas	W	W	W	22.40	23.10	W	W
Louisiana	W	W	W	22.21	22.05	W	W
Oklahoma	22.21	22.34	-0.6%	22.21	22.34	--	--
Texas	W	W	W	22.61	22.74	W	W
Mountain	W	22.99	W	23.75	23.33	W	20.43
Arizona	24.89	23.53	5.8%	24.89	23.53	--	--
Colorado	21.90	W	W	21.90	22.31	--	W
Idaho	--	NM	--	--	NM	--	--
Montana	W	18.55	W	--	NM	W	17.95
Nevada	W	W	W	23.29	24.70	W	W
New Mexico	24.58	W	W	24.58	25.31	--	W
Utah	21.57	W	W	21.57	22.43	--	W
Wyoming	23.27	21.87	6.4%	23.27	21.87	--	--
Pacific Contiguous	W	W	W	23.18	24.32	W	W
California	--	W	W	--	24.93	--	W
Oregon	22.05	21.12	4.4%	22.05	21.12	--	--
Washington	W	W	W	23.63	NM	W	W
Pacific Noncontiguous	W	W	W	20.55	22.61	W	W
Alaska	--	23.42	--	--	23.42	--	--
Hawaii	W	W	W	20.55	22.49	W	W
U.S. Total	20.83	22.40	-7.0%	21.00	22.39	20.45	22.44

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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, July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.70	6.89	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	11.11	--	--	11.11	--	--
Michigan	W	W	W	--	--	W	W
Ohio	--	W	W	--	--	--	W
Wisconsin	1.70	1.71	-0.6%	1.70	1.71	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.67	2.46	8.5%	2.67	2.46	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.67	2.46	8.5%	2.67	2.46	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.82	1.85	-1.6%	1.82	1.85	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.82	1.85	-1.6%	1.82	1.85	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.04	W	W	2.04	2.05	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.04	2.05	-0.5%	2.04	2.05	--	--
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	2.97	W	2.25	2.64	W	3.46

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 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	1.57	3.70	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.73	--	--	4.73	--	--
Michigan	W	W	W	1.50	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.70	1.69	0.6%	1.70	1.69	--	--
West North Central	--	NM	--	--	NM	--	--
Iowa	--	NM	--	--	NM	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.68	2.61	2.7%	2.68	2.61	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.68	2.61	2.7%	2.68	2.61	--	--
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	1.99	W	W	1.99	1.94	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.99	1.94	2.6%	1.99	1.94	--	--
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	2.59	W	2.18	2.17	W	3.39

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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, July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013	July 2012	Percentage Change	July 2013	July 2012	July 2013	July 2012
New England	4.87	3.77	29.0%	5.96	4.58	4.85	3.75
Connecticut	4.93	3.67	34.0%	--	3.59	4.93	3.67
Maine	W	W	W	--	--	W	W
Massachusetts	4.76	3.82	25.0%	5.63	4.47	4.74	3.80
New Hampshire	W	W	W	7.25	4.90	W	W
Rhode Island	W	3.78	W	--	--	W	3.78
Vermont	--	3.78	--	--	3.78	--	--
Middle Atlantic	4.20	3.49	20.0%	4.66	3.46	4.12	3.49
New Jersey	3.78	3.55	6.5%	--	--	3.78	3.55
New York	4.62	3.61	28.0%	4.66	3.46	4.60	3.67
Pennsylvania	3.78	3.26	16.0%	--	NM	3.78	3.26
East North Central	4.13	3.24	27.0%	4.04	3.24	4.19	3.24
Illinois	4.53	3.27	39.0%	4.54	3.34	4.53	3.26
Indiana	3.90	3.24	20.0%	3.87	3.22	3.94	3.27
Michigan	4.47	3.30	35.0%	4.37	3.34	4.52	3.29
Ohio	3.82	3.16	21.0%	3.69	3.11	3.90	3.18
Wisconsin	4.29	3.18	35.0%	4.39	3.21	4.19	3.13
West North Central	4.22	3.30	28.0%	4.22	3.32	4.19	3.13
Iowa	3.99	W	W	3.99	3.42	--	W
Kansas	4.21	3.17	33.0%	4.21	3.17	--	--
Minnesota	W	W	W	4.32	3.27	W	W
Missouri	W	W	W	4.33	3.43	W	W
Nebraska	4.40	3.35	31.0%	4.40	3.35	--	--
North Dakota	--	NM	--	--	NM	--	--
South Dakota	3.95	3.28	20.0%	3.95	3.28	--	--
South Atlantic	4.72	4.10	15.0%	4.81	4.36	4.23	3.38
Delaware	--	W	W	--	3.29	--	W
District of Columbia	--	3.29	--	--	3.29	--	--
Florida	W	4.68	W	5.06	4.83	W	3.48
Georgia	W	3.42	W	4.27	3.51	W	3.32
Maryland	4.45	3.55	25.0%	--	--	4.45	3.55
North Carolina	W	W	W	4.82	4.15	W	W
South Carolina	W	W	W	4.84	3.43	W	W
Virginia	3.92	3.24	21.0%	4.01	3.31	3.74	3.09
West Virginia	3.80	3.32	14.0%	3.93	2.84	3.77	3.35
East South Central	3.94	3.18	24.0%	3.93	3.12	3.96	3.24
Alabama	3.98	3.29	21.0%	3.95	3.30	4.00	3.28
Kentucky	W	3.49	W	4.06	3.54	W	3.32
Mississippi	W	3.04	W	3.90	3.02	W	3.09
Tennessee	4.00	2.99	34.0%	4.00	2.99	--	--
West South Central	3.84	3.07	25.0%	3.95	3.08	3.75	3.07
Arkansas	W	3.29	W	5.49	3.77	W	3.08
Louisiana	W	3.06	W	3.83	3.09	W	2.99
Oklahoma	3.85	3.01	28.0%	3.88	3.01	3.76	3.03
Texas	3.80	3.07	24.0%	3.93	3.03	3.75	3.08
Mountain	4.18	3.30	27.0%	4.26	3.34	3.99	3.25
Arizona	4.25	3.41	25.0%	4.51	3.66	3.90	3.19
Colorado	4.31	3.52	22.0%	4.28	3.54	4.34	3.50
Idaho	W	W	W	3.85	3.58	W	W
Montana	--	W	W	--	3.31	--	W
Nevada	W	3.10	W	4.22	3.07	W	3.18
New Mexico	4.09	W	W	4.09	3.42	--	W
Utah	3.84	W	W	3.84	2.85	--	W
Wyoming	6.05	W	W	6.05	3.33	--	W
Pacific Contiguous	4.17	3.44	21.0%	4.34	3.73	4.02	3.29
California	4.31	3.46	25.0%	4.62	3.78	4.10	3.31
Oregon	W	W	W	3.65	3.26	W	W
Washington	W	W	W	3.95	3.47	W	W
Pacific Noncontiguous	4.79	3.80	26.0%	4.79	3.80	--	--
Alaska	4.79	3.80	26.0%	4.79	3.80	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.23	3.45	23.0%	4.38	3.62	4.07	3.31

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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) July 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2013 YTD	July 2012 YTD	Percentage Change	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	6.46	3.36	92.0%	7.57	4.34	6.46	3.35
Connecticut	6.54	3.34	96.0%	--	3.19	6.54	3.34
Maine	W	W	W	--	--	W	W
Massachusetts	6.38	3.28	95.0%	6.80	4.26	6.37	3.27
New Hampshire	W	W	W	10.05	5.48	W	W
Rhode Island	W	3.52	W	--	--	W	3.52
Vermont	--	3.71	--	--	3.71	--	--
Middle Atlantic	4.78	3.29	45.0%	5.31	3.52	4.70	3.26
New Jersey	4.52	3.33	36.0%	--	--	4.52	3.33
New York	5.39	3.57	51.0%	5.31	3.52	5.42	3.59
Pennsylvania	4.16	2.91	43.0%	--	NM	4.16	2.91
East North Central	4.17	2.89	44.0%	4.17	2.90	4.17	2.89
Illinois	W	3.06	W	4.80	3.10	W	3.05
Indiana	W	2.82	W	4.02	2.79	W	2.94
Michigan	4.51	2.94	53.0%	4.49	2.95	4.52	2.94
Ohio	3.90	2.75	42.0%	3.90	2.72	3.90	2.76
Wisconsin	4.37	2.97	47.0%	4.50	3.13	4.24	2.77
West North Central	4.49	3.27	37.0%	4.51	3.33	4.42	2.89
Iowa	4.50	W	W	4.50	3.52	--	W
Kansas	4.39	2.99	47.0%	4.39	2.99	--	--
Minnesota	W	W	W	4.61	3.55	W	W
Missouri	W	W	W	4.42	3.22	W	W
Nebraska	4.96	3.57	39.0%	4.96	3.57	--	--
North Dakota	--	NM	--	--	NM	--	--
South Dakota	3.98	3.21	24.0%	3.98	3.21	--	--
South Atlantic	4.83	3.96	22.0%	4.90	4.24	4.39	3.05
Delaware	--	W	W	--	2.97	--	W
District of Columbia	--	2.97	--	--	2.97	--	--
Florida	W	4.52	W	5.11	4.68	W	3.03
Georgia	4.39	3.04	44.0%	4.37	3.05	4.48	3.02
Maryland	W	2.95	W	--	--	W	2.95
North Carolina	W	W	W	4.85	4.11	W	W
South Carolina	W	W	W	4.55	3.28	W	W
Virginia	4.26	3.10	37.0%	4.44	3.11	3.97	3.09
West Virginia	4.27	3.14	36.0%	3.85	2.86	4.36	3.16
East South Central	4.05	2.77	46.0%	4.03	2.75	4.10	2.79
Alabama	4.11	2.84	45.0%	4.05	2.90	4.14	2.81
Kentucky	W	3.11	W	5.27	3.14	W	2.90
Mississippi	W	2.67	W	3.91	2.66	W	2.71
Tennessee	4.15	2.60	60.0%	4.15	2.60	--	--
West South Central	3.93	2.70	46.0%	4.03	2.77	3.87	2.66
Arkansas	4.10	2.84	44.0%	5.55	3.40	3.91	2.70
Louisiana	3.93	2.67	47.0%	3.98	2.70	3.81	2.58
Oklahoma	4.00	2.75	45.0%	4.02	2.83	3.93	2.57
Texas	3.90	2.68	46.0%	4.02	2.73	3.87	2.67
Mountain	4.42	3.21	38.0%	4.51	3.27	4.17	3.11
Arizona	4.58	3.20	43.0%	5.01	3.45	4.10	2.95
Colorado	4.76	3.71	28.0%	4.82	3.72	4.67	3.69
Idaho	W	W	W	4.43	3.80	W	W
Montana	--	W	W	--	3.15	--	W
Nevada	W	3.14	W	4.37	3.16	W	3.08
New Mexico	4.23	W	W	4.23	3.12	--	W
Utah	3.97	W	W	3.97	2.72	--	W
Wyoming	8.17	W	W	8.17	3.47	--	W
Pacific Contiguous	4.29	3.24	32.0%	4.60	3.58	4.04	3.06
California	4.38	3.27	34.0%	4.75	3.62	4.11	3.09
Oregon	W	W	W	3.75	2.95	W	W
Washington	W	W	W	4.57	3.59	W	W
Pacific Noncontiguous	4.61	4.15	11.0%	4.61	4.15	--	--
Alaska	4.61	4.15	11.0%	4.61	4.15	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.47	3.20	40.0%	4.55	3.48	4.38	2.97

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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, July 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	120	0.96	8.4	83	0.09	2.0	0	--	--
Connecticut	0	--	--	83	0.09	2.0	0	--	--
Maine	3	0.89	8.2	0	--	--	0	--	--
Massachusetts	101	0.70	8.4	0	--	--	0	--	--
New Hampshire	17	2.37	7.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,365	2.86	11.1	77	0.28	4.9	0	--	--
New Jersey	113	1.62	8.3	0	--	--	0	--	--
New York	110	2.78	10.0	77	0.28	4.9	0	--	--
Pennsylvania	2,142	2.93	11.3	0	--	--	0	--	--
East North Central	7,016	2.99	10.1	9,534	0.25	4.8	0	--	--
Illinois	801	3.56	18.8	4,487	0.22	4.7	0	--	--
Indiana	2,846	2.89	9.2	380	0.29	4.8	0	--	--
Michigan	256	1.25	9.1	2,491	0.30	4.7	0	--	--
Ohio	2,972	3.18	9.3	77	0.35	5.6	0	--	--
Wisconsin	142	2.03	7.7	2,098	0.26	4.9	0	--	--
West North Central	84	3.13	9.5	9,758	0.28	5.1	2,020	0.82	10.3
Iowa	22	3.50	8.0	1,836	0.29	5.0	0	--	--
Kansas	15	3.23	13.7	1,608	0.34	5.0	0	--	--
Minnesota	0	--	--	828	0.36	5.6	0	--	--
Missouri	47	2.93	9.0	3,825	0.23	4.9	0	--	--
Nebraska	0	--	--	1,411	0.28	5.2	0	--	--
North Dakota	0	--	--	55	0.36	4.8	2,020	0.82	10.3
South Dakota	0	--	--	195	0.45	6.3	0	--	--
South Atlantic	7,854	1.88	10.9	1,279	0.27	4.7	0	--	--
Delaware	22	1.68	7.9	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	2,001	2.25	9.1	0	--	--	0	--	--
Georgia	574	1.29	10.2	1,217	0.28	4.7	0	--	--
Maryland	635	1.57	10.1	62	0.20	4.4	0	--	--
North Carolina	1,156	1.53	10.1	0	--	--	0	--	--
South Carolina	611	1.52	8.4	0	--	--	0	--	--
Virginia	938	1.02	16.4	0	--	--	0	--	--
West Virginia	1,916	2.52	12.2	0	--	--	0	--	--
East South Central	4,739	2.46	9.9	2,068	0.26	4.9	333	0.45	13.7
Alabama	985	1.72	10.1	992	0.25	5.0	0	--	--
Kentucky	2,775	2.87	10.1	236	0.32	5.3	0	--	--
Mississippi	250	2.05	9.6	0	--	--	333	0.45	13.7
Tennessee	729	2.08	8.8	840	0.25	4.7	0	--	--
West South Central	91	2.22	16.8	9,369	0.28	5.1	4,371	1.02	16.8
Arkansas	0	--	--	1,460	0.25	5.1	0	--	--
Louisiana	47	3.16	8.6	1,036	0.30	5.2	311	0.91	16.5
Oklahoma	45	1.13	26.3	1,485	0.24	4.9	0	--	--
Texas	0	--	--	5,388	0.30	5.1	4,060	1.03	16.8
Mountain	2,846	0.62	13.6	6,051	0.51	8.7	0	--	--
Arizona	656	0.60	10.7	1,234	0.71	10.8	0	--	--
Colorado	310	0.53	11.1	1,334	0.31	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	521	0.69	9.3	0	--	--
Nevada	24	0.30	10.3	251	0.35	7.8	0	--	--
New Mexico	604	0.85	25.9	385	0.71	22.0	0	--	--
Utah	1,252	0.58	10.9	70	1.13	9.0	0	--	--
Wyoming	0	--	--	2,256	0.45	7.2	0	--	--
Pacific Contiguous	76	0.67	10.7	397	0.42	8.9	0	--	--
California	76	0.67	10.7	0	--	--	0	--	--
Oregon	0	--	--	28	0.24	4.0	0	--	--
Washington	0	--	--	369	0.44	9.3	0	--	--
Pacific Noncontiguous	63	1.43	4.9	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.43	4.9	0	--	--	0	--	--
U.S. Total	25,256	2.26	10.8	38,616	0.31	5.6	6,725	0.94	14.7

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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See Glossary for definitions. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, July 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	17	2.37	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	17	2.37	7.9	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	5,832	2.95	9.2	5,274	0.28	4.8	0	--	--
Illinois	228	3.40	11.2	329	0.23	4.8	0	--	--
Indiana	2,607	2.83	9.0	380	0.29	4.8	0	--	--
Michigan	231	1.26	9.2	2,484	0.30	4.7	0	--	--
Ohio	2,660	3.21	9.3	0	--	--	0	--	--
Wisconsin	106	2.07	7.6	2,082	0.26	4.9	0	--	--
West North Central	56	2.93	10.2	9,676	0.28	5.1	2,020	0.82	10.3
Iowa	0	--	--	1,754	0.29	5.1	0	--	--
Kansas	15	3.23	13.7	1,608	0.34	5.0	0	--	--
Minnesota	0	--	--	828	0.36	5.6	0	--	--
Missouri	41	2.82	8.9	3,825	0.23	4.9	0	--	--
Nebraska	0	--	--	1,411	0.28	5.2	0	--	--
North Dakota	0	--	--	55	0.36	4.8	2,020	0.82	10.3
South Dakota	0	--	--	195	0.45	6.3	0	--	--
South Atlantic	6,325	1.82	10.8	1,217	0.28	4.7	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,899	2.32	9.0	0	--	--	0	--	--
Georgia	551	1.31	10.1	1,217	0.28	4.7	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,156	1.53	10.1	0	--	--	0	--	--
South Carolina	595	1.54	8.4	0	--	--	0	--	--
Virginia	847	0.97	17.3	0	--	--	0	--	--
West Virginia	1,276	2.22	11.7	0	--	--	0	--	--
East South Central	4,583	2.50	9.9	2,068	0.26	4.9	0	--	--
Alabama	985	1.72	10.1	992	0.25	5.0	0	--	--
Kentucky	2,775	2.87	10.1	236	0.32	5.3	0	--	--
Mississippi	203	1.87	9.9	0	--	--	0	--	--
Tennessee	620	2.31	9.0	840	0.25	4.7	0	--	--
West South Central	47	3.16	8.6	5,822	0.26	5.0	1,042	1.25	19.0
Arkansas	0	--	--	1,213	0.25	5.0	0	--	--
Louisiana	47	3.16	8.6	423	0.28	5.2	311	0.91	16.5
Oklahoma	0	--	--	1,443	0.24	4.9	0	--	--
Texas	0	--	--	2,743	0.26	5.0	731	1.41	20.2
Mountain	2,811	0.63	13.7	5,439	0.50	8.7	0	--	--
Arizona	656	0.60	10.7	1,234	0.71	10.8	0	--	--
Colorado	310	0.53	11.1	1,334	0.31	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	24	0.30	10.3	159	0.39	9.0	0	--	--
New Mexico	604	0.85	25.9	385	0.71	22.0	0	--	--
Utah	1,217	0.58	11.0	70	1.13	9.0	0	--	--
Wyoming	0	--	--	2,256	0.45	7.2	0	--	--
Pacific Contiguous	0	--	--	28	0.24	4.0	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	28	0.24	4.0	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,669	2.16	10.5	29,523	0.31	5.7	3,062	0.96	13.2

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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, July 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	102	0.71	8.4	83	0.09	2.0	0	--	--
Connecticut	0	--	--	83	0.09	2.0	0	--	--
Maine	1	1.05	8.8	0	--	--	0	--	--
Massachusetts	101	0.70	8.4	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,344	2.87	11.1	77	0.28	4.9	0	--	--
New Jersey	113	1.62	8.3	0	--	--	0	--	--
New York	93	3.08	9.9	77	0.28	4.9	0	--	--
Pennsylvania	2,137	2.93	11.3	0	--	--	0	--	--
East North Central	986	3.28	16.5	4,194	0.22	4.7	0	--	--
Illinois	439	3.68	27.7	4,109	0.21	4.7	0	--	--
Indiana	238	3.54	11.4	0	--	--	0	--	--
Michigan	16	1.15	8.9	8	0.22	4.7	0	--	--
Ohio	292	2.80	9.2	77	0.35	5.6	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	1,381	2.22	11.3	62	0.20	4.4	0	--	--
Delaware	22	1.68	7.9	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	102	1.02	11.4	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	606	1.57	9.6	62	0.20	4.4	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	44	0.82	10.4	0	--	--	0	--	--
West Virginia	607	3.23	13.3	0	--	--	0	--	--
East South Central	47	2.85	8.4	0	--	--	333	0.45	13.7
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	47	2.85	8.4	0	--	--	333	0.45	13.7
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	45	1.13	26.3	3,547	0.33	5.2	3,329	0.96	16.2
Arkansas	0	--	--	247	0.24	5.3	0	--	--
Louisiana	0	--	--	613	0.32	5.2	0	--	--
Oklahoma	45	1.13	26.3	42	0.21	4.4	0	--	--
Texas	0	--	--	2,645	0.34	5.3	3,329	0.96	16.2
Mountain	0	--	--	613	0.62	8.7	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	521	0.69	9.3	0	--	--
Nevada	0	--	--	92	0.27	5.5	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	21	1.17	10.7	369	0.44	9.3	0	--	--
California	21	1.17	10.7	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	369	0.44	9.3	0	--	--
Pacific Noncontiguous	63	1.43	4.9	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.43	4.9	0	--	--	0	--	--
U.S. Total	4,988	2.67	12.0	8,944	0.30	5.3	3,663	0.92	16.0

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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, July 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	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	3	3.04	9.2	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	3	3.04	9.2	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	6	3.59	9.3	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	6	3.59	9.3	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	9	3.41	9.3	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, July 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	0.82	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	0.82	7.9	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	21	1.39	10.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	16	1.19	10.5	0	--	--	0	--	--
Pennsylvania	5	2.10	12.1	0	--	--	0	--	--
East North Central	196	3.10	8.6	66	0.37	5.4	0	--	--
Illinois	134	3.49	8.4	49	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	7	0.50	7.0	0	--	--	0	--	--
Ohio	20	3.80	11.2	0	--	--	0	--	--
Wisconsin	36	1.90	7.9	17	0.26	5.1	0	--	--
West North Central	22	3.50	8.0	82	0.22	4.4	0	--	--
Iowa	22	3.50	8.0	82	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	149	1.44	12.4	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	23	0.85	12.8	0	--	--	0	--	--
Maryland	29	1.77	22.2	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	16	0.80	8.1	0	--	--	0	--	--
Virginia	47	1.99	8.8	0	--	--	0	--	--
West Virginia	33	1.07	12.3	0	--	--	0	--	--
East South Central	109	0.87	7.8	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	109	0.87	7.8	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	35	0.30	9.0	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	35	0.30	9.0	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	55	0.47	10.7	0	--	--	0	--	--
California	55	0.47	10.7	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	590	1.75	9.7	148	0.29	4.9	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 - July 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
May	94,537	108,685	82,068	621	285,911
June	117,736	117,674	81,376	631	317,416
July	143,456	126,654	83,703	637	354,450
Year to Date					
2011	842,196	766,656	572,242	4,551	2,185,645
2012	799,730	763,440	572,473	4,393	2,140,036
2013	807,007	766,535	555,472	4,454	2,133,468
Rolling 12 Months Ending in July					
2012	1,380,335	1,324,842	991,546	7,514	3,704,237
2013	1,381,871	1,326,939	963,837	7,565	3,680,211

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 - July 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
May	11,718	11,095	5,477	65	28,355
June	14,768	12,596	5,805	67	33,236
July	18,087	13,687	6,124	69	37,967
Year to Date					
2011	97,527	78,142	38,754	481	214,905
2012	94,377	76,871	38,024	437	209,709
2013	97,059	78,482	37,555	465	213,561
Rolling 12 Months Ending in July					
2012	163,564	134,655	66,876	759	365,853
2013	166,034	135,519	65,222	782	367,558

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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 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - July 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
May	12.40	10.21	6.67	10.45	9.92
June	12.54	10.70	7.13	10.70	10.47
July	12.61	10.81	7.32	10.90	10.71
Year to Date					
2011	11.58	10.19	6.77	10.56	9.83
2012	11.80	10.07	6.64	9.95	9.80
2013	12.03	10.24	6.76	10.44	10.01
Rolling 12 Months Ending in July					
2012	11.85	10.16	6.74	10.10	9.88
2013	12.02	10.21	6.77	10.34	9.99

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, July 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	5,209	4,847	4,472	4,210	2,489	2,499	47	47	12,218	11,603
Connecticut	1,458	1,360	1,281	1,256	323	330	15	15	3,076	2,961
Maine	423	402	390	371	253	252	0	0	1,066	1,025
Massachusetts	2,284	2,127	1,783	1,633	1,525	1,530	30	30	5,623	5,319
New Hampshire	437	419	428	409	174	180	0	0	1,039	1,008
Rhode Island	410	354	403	356	93	83	2	2	907	795
Vermont	196	185	187	185	122	124	0	0	506	494
Middle Atlantic	14,646	14,712	15,266	15,225	6,155	6,054	334	337	36,401	36,327
New Jersey	3,904	3,828	3,860	3,863	649	679	24	25	8,437	8,396
New York	5,541	5,503	7,353	7,322	1,176	1,131	242	238	14,312	14,194
Pennsylvania	5,202	5,380	4,053	4,040	4,329	4,243	68	74	13,652	13,737
East North Central	18,973	23,308	17,103	18,281	16,588	17,785	52	53	52,717	59,428
Illinois	4,917	6,317	4,748	5,018	3,793	4,171	47	49	13,506	15,555
Indiana	3,181	4,022	2,268	2,436	3,883	4,118	2	2	9,334	10,577
Michigan	3,661	4,362	3,513	3,827	2,550	2,747	1	0	9,725	10,936
Ohio	5,103	5,990	4,416	4,678	4,281	4,584	3	2	13,802	15,254
Wisconsin	2,111	2,618	2,158	2,322	2,081	2,165	0	0	6,350	7,105
West North Central	10,245	12,621	9,247	9,917	7,760	8,303	3	3	27,255	30,844
Iowa	1,370	1,734	1,107	1,181	1,655	1,752	0	0	4,132	4,668
Kansas	1,542	1,939	1,486	1,634	960	963	0	0	3,987	4,536
Minnesota	2,138	2,474	2,039	2,168	2,007	2,089	2	1	6,185	6,733
Missouri	3,491	4,495	2,896	3,135	1,381	1,553	2	2	7,769	9,184
Nebraska	967	1,170	859	924	1,098	1,274	0	0	2,925	3,368
North Dakota	355	372	447	444	428	432	0	0	1,230	1,248
South Dakota	383	437	412	430	231	241	0	0	1,026	1,108
South Atlantic	34,792	37,900	28,935	29,526	12,477	12,201	121	115	76,326	79,742
Delaware	511	582	424	453	207	259	0	0	1,142	1,295
District of Columbia	245	264	870	902	23	18	34	32	1,171	1,216
Florida	11,542	11,962	8,373	8,680	1,459	1,504	8	7	21,383	22,154
Georgia	5,541	6,448	4,374	4,551	2,786	2,710	14	14	12,714	13,723
Maryland	2,841	3,062	3,022	3,024	349	390	48	44	6,260	6,519
North Carolina	5,608	6,312	4,479	4,510	2,517	2,264	1	1	12,605	13,087
South Carolina	3,048	3,399	2,078	2,170	2,608	2,512	0	0	7,733	8,081
Virginia	4,485	4,881	4,572	4,544	1,578	1,529	17	17	10,652	10,970
West Virginia	970	991	744	691	951	1,016	0	0	2,665	2,697
East South Central	11,544	13,237	8,963	8,226	8,657	10,263	0	0	29,164	31,727
Alabama	3,134	3,603	2,144	2,208	3,004	2,893	0	0	8,282	8,704
Kentucky	2,532	3,024	2,310	1,842	2,505	3,387	0	0	7,347	8,253
Mississippi	1,911	2,046	1,305	1,339	1,482	1,461	0	0	4,698	4,846
Tennessee	3,967	4,564	3,204	2,838	1,666	2,522	0	0	8,837	9,923
West South Central	23,365	24,642	17,582	18,750	13,458	13,702	7	7	54,412	57,101
Arkansas	1,842	2,058	1,155	1,228	1,526	1,533	NM	NM	4,522	4,819
Louisiana	3,307	3,429	2,329	2,358	2,607	2,607	1	1	8,244	8,395
Oklahoma	2,573	3,073	1,849	2,084	1,441	1,445	0	0	5,863	6,601
Texas	15,643	16,082	12,250	13,081	7,885	8,118	6	6	35,783	37,287
Mountain	11,218	10,923	8,914	8,948	7,953	7,704	10	9	28,096	27,583
Arizona	4,373	4,140	2,984	2,850	1,117	1,084	0	0	8,474	8,074
Colorado	1,856	1,986	1,814	1,927	1,430	1,438	5	4	5,105	5,355
Idaho	747	705	554	528	1,305	1,283	0	0	2,607	2,516
Montana	376	388	419	430	375	372	0	0	1,170	1,190
Nevada	1,891	1,686	971	939	1,261	1,251	1	1	4,124	3,877
New Mexico	707	720	877	896	653	633	0	0	2,237	2,249
Utah	1,067	1,082	963	1,036	890	838	4	3	2,924	2,959
Wyoming	201	216	332	341	922	806	0	0	1,454	1,363
Pacific Contiguous	13,095	12,077	15,659	14,573	7,730	7,823	62	71	36,546	34,544
California	9,120	8,148	11,689	10,768	4,247	4,277	59	68	25,115	23,262
Oregon	1,499	1,415	1,441	1,391	1,073	1,098	2	2	4,014	3,906
Washington	2,477	2,514	2,530	2,414	2,410	2,448	0	1	7,416	7,376
Pacific Noncontiguous	368	383	513	501	435	428	0	0	1,316	1,312
Alaska	144	150	224	227	112	113	0	0	480	490
Hawaii	224	233	289	274	323	315	0	0	837	822
U.S. Total	143,456	154,649	126,654	128,157	83,703	86,762	637	642	354,450	370,210

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 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	28,605	27,086	26,194	25,660	15,663	15,960	341	332	70,803	69,038
Connecticut	7,838	7,367	7,590	7,486	1,963	2,062	113	112	17,504	17,027
Maine	2,735	2,596	2,375	2,344	1,764	1,751	0	0	6,874	6,691
Massachusetts	12,202	11,568	10,266	10,013	9,430	9,646	213	205	32,111	31,432
New Hampshire	2,673	2,564	2,609	2,551	1,123	1,126	0	0	6,405	6,241
Rhode Island	1,925	1,780	2,167	2,108	550	546	16	15	4,657	4,450
Vermont	1,232	1,212	1,187	1,158	834	829	0	0	3,253	3,198
Middle Atlantic	79,183	76,497	91,331	91,046	40,068	40,179	2,375	2,325	212,957	210,047
New Jersey	17,064	16,696	22,255	22,571	4,313	4,602	188	176	43,820	44,045
New York	29,545	28,885	43,865	43,460	7,892	7,520	1,671	1,633	82,973	81,497
Pennsylvania	32,574	30,917	25,211	25,015	27,863	28,057	517	516	86,164	84,505
East North Central	110,279	112,254	106,027	106,814	113,119	119,045	383	362	329,808	338,476
Illinois	27,004	27,778	29,442	29,308	25,447	26,382	340	325	82,233	83,793
Indiana	19,440	19,650	14,044	14,086	26,916	28,283	13	12	60,413	62,030
Michigan	20,150	20,755	21,900	22,443	17,533	18,450	3	5	59,586	61,653
Ohio	30,754	30,808	27,177	27,358	29,781	32,119	27	20	87,740	90,305
Wisconsin	12,931	13,264	13,464	13,620	13,443	13,811	0	0	39,837	40,694
West North Central	61,732	61,788	57,779	57,927	50,204	52,205	25	23	169,739	171,943
Iowa	8,488	8,518	7,044	7,072	11,244	11,396	0	0	26,777	26,986
Kansas	7,794	8,182	8,846	9,109	6,071	6,293	0	0	22,712	23,584
Minnesota	13,309	13,297	12,991	13,011	12,729	13,237	11	10	39,040	39,555
Missouri	20,403	20,621	17,786	17,839	9,752	10,385	13	13	47,954	48,857
Nebraska	5,898	5,882	5,313	5,383	6,030	6,510	0	0	17,242	17,776
North Dakota	3,016	2,608	3,128	2,889	2,905	2,850	0	0	9,049	8,347
South Dakota	2,823	2,680	2,671	2,624	1,473	1,534	0	0	6,966	6,839
South Atlantic	198,385	194,782	175,017	175,433	80,822	81,922	782	761	455,005	452,897
Delaware	2,756	2,690	2,444	2,514	1,499	1,625	0	0	6,699	6,829
District of Columbia	1,218	1,168	4,959	5,112	139	131	192	189	6,508	6,599
Florida	63,044	63,101	51,912	52,354	9,740	9,794	53	49	124,748	125,298
Georgia	31,213	31,747	26,431	26,781	18,041	18,344	92	92	75,778	76,965
Maryland	16,228	15,550	17,858	17,665	2,316	2,914	323	313	36,726	36,442
North Carolina	33,013	31,998	26,952	26,851	15,582	15,521	4	4	75,550	74,374
South Carolina	16,880	16,657	12,191	12,392	16,615	16,588	0	0	45,685	45,636
Virginia	26,982	25,328	27,717	27,268	9,846	10,088	115	111	64,660	62,794
West Virginia	7,052	6,543	4,554	4,496	7,043	6,918	2	2	18,651	17,960
East South Central	68,062	67,322	51,594	47,618	65,668	72,811	1	1	185,325	187,751
Alabama	18,075	18,052	12,780	12,722	19,736	19,815	0	0	50,591	50,589
Kentucky	15,723	15,494	11,894	10,768	23,483	26,401	0	0	51,100	52,663
Mississippi	10,397	10,315	7,690	7,826	9,617	9,806	0	0	27,704	27,947
Tennessee	23,867	23,460	19,229	16,302	12,833	16,788	1	1	55,930	56,552
West South Central	118,113	119,092	106,011	107,142	89,660	90,827	45	47	313,829	317,108
Arkansas	10,424	10,253	6,697	6,901	9,471	9,822	NM	NM	26,592	26,976
Louisiana	16,920	17,104	13,597	13,864	17,911	17,954	6	6	48,435	48,928
Oklahoma	13,102	13,401	11,084	11,500	9,398	9,522	0	0	33,584	34,422
Texas	77,667	78,334	74,633	74,877	52,881	53,529	38	40	205,219	206,781
Mountain	56,162	54,904	53,829	53,913	48,185	47,479	71	58	158,247	156,354
Arizona	19,200	18,794	16,953	16,806	7,220	7,194	0	0	43,373	42,794
Colorado	10,669	10,588	11,380	11,498	8,884	8,936	34	30	30,967	31,052
Idaho	5,036	4,810	3,505	3,426	5,799	5,565	0	0	14,340	13,802
Montana	2,885	2,854	2,796	2,821	2,422	2,368	0	0	8,103	8,043
Nevada	7,348	6,981	5,338	5,341	7,893	7,915	5	5	20,584	20,242
New Mexico	3,960	3,975	5,285	5,318	4,238	4,144	0	0	13,483	13,437
Utah	5,374	5,264	6,221	6,175	5,769	5,575	32	23	17,396	17,037
Wyoming	1,690	1,638	2,351	2,529	5,961	5,782	0	0	10,002	9,949
Pacific Contiguous	83,749	83,155	95,268	94,363	49,249	49,160	431	485	228,697	227,164
California	50,604	49,758	68,970	68,158	26,337	26,175	415	466	146,326	144,558
Oregon	11,292	11,310	9,237	9,100	6,856	6,875	13	15	27,397	27,300
Washington	21,854	22,088	17,061	17,105	16,057	16,109	3	4	54,974	55,306
Pacific Noncontiguous	2,737	2,850	3,486	3,523	2,833	2,885	0	0	9,056	9,258
Alaska	1,235	1,253	1,644	1,673	762	790	0	0	3,640	3,717
Hawaii	1,502	1,597	1,843	1,850	2,071	2,095	0	0	5,416	5,542
U.S. Total	807,007	799,730	766,535	763,440	555,472	572,473	4,454	4,393	2,133,468	2,140,036

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.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2013 and 2012 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	809	749	612	583	313	310	6	3	1,740	1,645
Connecticut	252	233	184	184	40	42	2	1	478	460
Maine	60	59	45	42	22	19	0	0	127	120
Massachusetts	345	311	258	233	210	205	4	1	817	751
New Hampshire	70	66	57	55	20	21	0	0	147	142
Rhode Island	46	49	42	42	9	9	0	0	98	101
Vermont	34	31	27	27	12	13	0	0	73	71
Middle Atlantic	2,433	2,320	2,133	2,112	464	467	42	43	5,073	4,942
New Jersey	641	618	532	527	77	77	2	3	1,253	1,225
New York	1,111	1,020	1,226	1,210	73	81	35	35	2,444	2,345
Pennsylvania	682	682	375	375	313	309	5	6	1,375	1,372
East North Central	2,352	2,806	1,655	1,758	1,124	1,210	3	3	5,133	5,777
Illinois	494	683	380	411	219	249	3	3	1,096	1,346
Indiana	351	394	213	215	257	262	0	0	822	871
Michigan	551	657	403	444	212	234	0	0	1,166	1,335
Ohio	656	723	415	436	270	295	0	0	1,342	1,454
Wisconsin	298	349	243	251	166	170	0	0	707	771
West North Central	1,258	1,441	910	909	567	570	0	0	2,734	2,920
Iowa	167	201	104	104	105	105	0	0	376	409
Kansas	186	226	147	153	71	69	0	0	404	448
Minnesota	273	293	207	199	149	145	0	0	629	638
Missouri	436	505	297	296	103	108	0	0	836	909
Nebraska	116	133	81	84	89	97	0	0	286	315
North Dakota	36	37	38	37	32	30	0	0	106	104
South Dakota	43	46	37	36	17	16	0	0	96	98
South Atlantic	4,089	4,369	2,744	2,797	852	855	10	10	7,696	8,031
Delaware	63	77	42	46	18	23	0	0	123	146
District of Columbia	32	32	105	107	1	1	3	3	141	143
Florida	1,315	1,362	785	827	115	121	1	1	2,215	2,311
Georgia	682	770	438	454	188	191	1	1	1,310	1,417
Maryland	390	395	329	319	30	33	4	4	753	750
North Carolina	626	690	405	406	172	161	0	0	1,204	1,257
South Carolina	369	385	208	213	162	157	0	0	740	755
Virginia	519	559	372	366	105	104	1	1	998	1,031
West Virginia	93	98	59	59	60	65	0	0	212	221
East South Central	1,238	1,359	874	812	574	696	0	0	2,687	2,868
Alabama	362	414	228	236	198	204	0	0	788	855
Kentucky	254	277	183	156	149	192	0	0	587	625
Mississippi	208	206	135	124	104	99	0	0	447	429
Tennessee	413	461	329	297	123	201	0	0	866	960
West South Central	2,544	2,521	1,481	1,489	838	779	1	1	4,864	4,791
Arkansas	183	198	94	96	98	96	NM	NM	376	390
Louisiana	322	287	211	178	162	119	0	0	695	584
Oklahoma	252	278	155	154	84	76	0	0	491	509
Texas	1,787	1,758	1,021	1,060	494	488	1	1	3,302	3,307
Mountain	1,358	1,262	881	845	577	542	1	1	2,816	2,649
Arizona	547	491	320	292	83	81	0	0	950	864
Colorado	238	243	187	188	106	105	1	0	531	536
Idaho	78	67	44	39	92	81	0	0	214	187
Montana	42	41	41	39	21	19	0	0	104	100
Nevada	219	194	87	82	118	112	0	0	424	389
New Mexico	90	88	92	90	44	40	0	0	226	218
Utah	122	116	82	86	56	52	0	0	260	254
Wyoming	22	22	29	28	57	51	0	0	108	101
Pacific Contiguous	1,897	1,619	2,265	1,915	703	653	5	6	4,870	4,192
California	1,524	1,258	1,950	1,616	535	491	5	5	4,013	3,370
Oregon	153	142	120	116	65	63	0	0	339	321
Washington	220	219	195	183	103	100	0	0	518	502
Pacific Noncontiguous	110	117	131	131	113	119	0	0	354	367
Alaska	28	29	36	34	19	21	0	0	82	84
Hawaii	82	88	96	97	94	99	0	0	272	283
U.S. Total	18,087	18,564	13,687	13,349	6,124	6,202	69	68	37,967	38,183

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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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 July 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	4,523	4,297	3,672	3,550	1,914	1,923	38	23	10,148	9,792
Connecticut	1,360	1,276	1,115	1,104	249	263	11	11	2,736	2,655
Maine	393	381	278	273	151	134	0	0	821	789
Massachusetts	1,835	1,760	1,473	1,401	1,235	1,250	25	10	4,568	4,421
New Hampshire	440	417	354	344	129	132	0	0	923	893
Rhode Island	283	257	278	260	65	60	2	2	628	580
Vermont	212	205	174	167	85	83	0	0	471	455
Middle Atlantic	12,348	11,669	11,846	11,780	2,928	3,029	290	278	27,412	26,756
New Jersey	2,681	2,669	2,831	2,905	458	483	20	17	5,990	6,074
New York	5,547	5,014	6,671	6,527	513	514	230	222	12,961	12,278
Pennsylvania	4,120	3,985	2,343	2,348	1,957	2,031	41	40	8,460	8,404
East North Central	13,229	13,467	10,100	10,190	7,416	7,770	22	23	30,767	31,450
Illinois	2,804	3,204	2,331	2,427	1,452	1,579	19	20	6,605	7,230
Indiana	2,089	2,025	1,327	1,288	1,763	1,813	1	1	5,180	5,126
Michigan	2,921	2,921	2,429	2,454	1,383	1,417	0	0	6,733	6,793
Ohio	3,647	3,565	2,556	2,587	1,807	1,939	2	1	8,012	8,093
Wisconsin	1,768	1,753	1,458	1,434	1,011	1,022	0	0	4,237	4,209
West North Central	6,703	6,473	5,173	4,870	3,302	3,232	2	2	15,181	14,576
Iowa	930	914	589	558	630	595	0	0	2,149	2,067
Kansas	901	909	848	828	431	434	0	0	2,180	2,171
Minnesota	1,573	1,495	1,234	1,134	894	862	1	1	3,703	3,492
Missouri	2,154	2,082	1,569	1,467	600	605	1	1	4,325	4,154
Nebraska	594	577	455	447	440	449	0	0	1,490	1,473
North Dakota	267	232	255	226	206	189	0	0	728	647
South Dakota	283	263	222	210	101	99	0	0	607	572
South Atlantic	22,355	22,043	16,361	16,494	5,207	5,313	68	63	43,991	43,913
Delaware	358	364	250	251	128	132	0	0	736	746
District of Columbia	151	144	590	621	8	7	18	16	768	788
Florida	7,121	7,219	4,931	5,095	749	788	5	4	12,806	13,106
Georgia	3,499	3,481	2,601	2,544	1,096	1,074	7	7	7,203	7,106
Maryland	2,108	1,994	1,877	1,870	194	237	28	25	4,207	4,126
North Carolina	3,543	3,436	2,327	2,305	972	982	0	0	6,843	6,724
South Carolina	1,988	1,918	1,193	1,176	967	983	0	0	4,148	4,077
Virginia	2,912	2,845	2,215	2,253	652	676	9	10	5,788	5,783
West Virginia	675	643	376	378	442	436	0	0	1,493	1,458
East South Central	7,080	6,862	5,073	4,668	3,863	4,416	0	0	16,016	15,946
Alabama	2,035	2,034	1,347	1,342	1,180	1,224	0	0	4,562	4,601
Kentucky	1,524	1,432	1,015	931	1,248	1,415	0	0	3,787	3,778
Mississippi	1,114	1,057	772	730	611	605	0	0	2,498	2,393
Tennessee	2,406	2,338	1,939	1,666	824	1,171	0	0	5,170	5,174
West South Central	12,572	12,209	8,673	8,614	5,209	4,911	5	5	26,459	25,739
Arkansas	981	936	536	525	555	544	NM	NM	2,072	2,006
Louisiana	1,578	1,417	1,217	1,077	1,054	847	1	1	3,849	3,341
Oklahoma	1,253	1,252	848	830	499	487	0	0	2,600	2,568
Texas	8,761	8,605	6,072	6,182	3,101	3,033	4	4	17,938	17,825
Mountain	6,288	5,939	4,992	4,797	3,060	2,893	7	5	14,348	13,634
Arizona	2,237	2,110	1,677	1,593	474	460	0	0	4,387	4,163
Colorado	1,255	1,192	1,106	1,055	633	608	4	3	2,998	2,858
Idaho	456	400	254	232	350	309	0	0	1,061	941
Montana	296	284	266	256	129	118	0	0	691	657
Nevada	858	830	467	473	494	500	0	0	1,819	1,802
New Mexico	462	447	507	486	266	240	0	0	1,236	1,173
Utah	555	518	516	497	336	311	3	2	1,410	1,328
Wyoming	169	158	200	206	378	348	0	0	747	711
Pacific Contiguous	11,181	10,592	11,711	11,007	3,911	3,749	32	38	26,836	25,385
California	8,191	7,618	9,620	8,938	2,857	2,715	31	36	20,699	19,308
Oregon	1,112	1,106	772	760	395	380	1	1	2,280	2,247
Washington	1,879	1,867	1,318	1,309	659	654	0	0	3,857	3,830
Pacific Noncontiguous	779	827	882	902	744	789	0	0	2,405	2,518
Alaska	222	226	251	249	123	136	0	0	596	611
Hawaii	557	601	631	653	621	653	0	0	1,809	1,906
U.S. Total	97,059	94,377	78,482	76,871	37,555	38,024	465	437	213,561	209,709

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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, July 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012	July 2013	July 2012
New England	15.52	15.46	13.69	13.84	12.59	12.39	12.89	6.76	14.25	14.18
Connecticut	17.31	17.10	14.37	14.65	12.53	12.70	11.03	9.43	15.55	15.53
Maine	14.26	14.70	11.54	11.31	8.50	7.71	--	--	11.90	11.75
Massachusetts	15.12	14.61	14.45	14.29	13.78	13.42	13.78	5.01	14.54	14.12
New Hampshire	16.11	15.84	13.29	13.37	11.23	11.87	--	--	14.14	14.13
Rhode Island	11.27	13.89	10.41	11.80	10.20	10.93	13.61	12.55	10.78	12.64
Vermont	17.23	16.93	14.39	14.57	10.10	10.12	--	--	14.46	14.33
Middle Atlantic	16.61	15.77	13.98	13.87	7.53	7.71	12.69	12.90	13.94	13.61
New Jersey	16.42	16.15	13.79	13.65	11.92	11.40	9.69	10.53	14.85	14.60
New York	20.04	18.53	16.67	16.52	6.22	7.12	14.38	14.79	17.08	16.52
Pennsylvania	13.11	12.68	9.26	9.28	7.23	7.28	7.74	7.65	10.08	9.99
East North Central	12.39	12.04	9.67	9.61	6.78	6.81	6.10	6.30	9.74	9.72
Illinois	10.04	10.81	8.01	8.20	5.78	5.97	5.89	6.15	8.12	8.65
Indiana	11.05	9.79	9.40	8.84	6.62	6.37	9.30	8.66	8.81	8.24
Michigan	15.06	15.07	11.46	11.59	8.30	8.52	9.29	8.94	11.99	12.21
Ohio	12.86	12.06	9.41	9.32	6.31	6.43	6.88	7.29	9.72	9.53
Wisconsin	14.13	13.35	11.26	10.81	7.96	7.86	--	--	11.13	10.85
West North Central	12.27	11.42	9.84	9.16	7.30	6.87	11.00	9.63	10.03	9.47
Iowa	12.21	11.56	9.35	8.81	6.36	5.97	--	--	9.10	8.77
Kansas	12.08	11.68	9.87	9.35	7.41	7.17	--	--	10.13	9.88
Minnesota	12.78	11.86	10.15	9.20	7.43	6.93	10.58	9.02	10.18	9.47
Missouri	12.48	11.23	10.26	9.43	7.49	6.97	11.42	10.13	10.77	9.90
Nebraska	12.00	11.35	9.42	9.13	8.13	7.65	--	--	9.79	9.34
North Dakota	10.27	10.00	8.49	8.25	7.36	6.94	--	--	8.61	8.32
South Dakota	11.19	10.50	8.92	8.31	7.27	6.78	--	--	9.40	8.84
South Atlantic	11.75	11.53	9.48	9.47	6.83	7.01	8.64	8.91	10.08	10.07
Delaware	12.28	13.30	9.94	10.09	8.90	8.87	--	--	10.80	11.29
District of Columbia	12.89	12.25	12.03	11.84	5.90	5.39	9.20	8.94	12.01	11.75
Florida	11.39	11.39	9.38	9.53	7.86	8.07	8.90	8.44	10.36	10.43
Georgia	12.30	11.95	10.02	9.98	6.75	7.06	9.35	9.14	10.30	10.33
Maryland	13.71	12.89	10.88	10.54	8.64	8.35	8.31	9.13	12.02	11.51
North Carolina	11.17	10.93	9.05	9.01	6.85	7.09	7.85	8.00	9.56	9.61
South Carolina	12.12	11.32	10.02	9.81	6.22	6.26	--	--	9.57	9.34
Virginia	11.58	11.46	8.14	8.06	6.65	6.78	7.79	8.33	9.37	9.40
West Virginia	9.60	9.87	7.87	8.49	6.31	6.35	7.55	8.41	7.94	8.19
East South Central	10.73	10.27	9.76	9.88	6.64	6.78	11.45	10.47	9.21	9.04
Alabama	11.56	11.50	10.62	10.70	6.59	7.06	--	--	9.51	9.82
Kentucky	10.04	9.18	7.93	8.45	5.97	5.66	--	--	7.99	7.57
Mississippi	10.88	10.07	10.34	9.24	6.99	6.76	--	--	9.51	8.85
Tennessee	10.42	10.11	10.26	10.46	7.41	7.99	11.45	10.47	9.80	9.67
West South Central	10.89	10.23	8.42	7.94	6.23	5.69	10.41	10.38	8.94	8.39
Arkansas	9.94	9.62	8.18	7.84	6.43	6.26	NM	NM	8.31	8.10
Louisiana	9.74	8.37	9.05	7.56	6.21	4.57	9.93	9.21	8.43	6.96
Oklahoma	9.80	9.05	8.37	7.41	5.85	5.29	--	--	8.38	7.71
Texas	11.42	10.93	8.34	8.11	6.26	6.01	10.49	10.56	9.23	8.87
Mountain	12.10	11.55	9.88	9.44	7.25	7.03	10.86	9.69	10.02	9.60
Arizona	12.51	11.85	10.71	10.25	7.43	7.47	--	--	11.21	10.70
Colorado	12.81	12.24	10.28	9.75	7.43	7.28	10.80	9.66	10.40	10.01
Idaho	10.50	9.50	7.99	7.38	7.01	6.34	--	--	8.22	7.44
Montana	11.03	10.61	9.71	9.15	5.69	5.17	--	--	8.85	8.38
Nevada	11.60	11.51	8.92	8.78	9.38	8.96	9.66	9.40	10.29	10.03
New Mexico	12.76	12.20	10.54	10.03	6.68	6.36	--	--	10.12	9.69
Utah	11.39	10.69	8.52	8.29	6.24	6.26	11.16	9.79	8.88	8.60
Wyoming	10.86	10.39	8.62	8.21	6.21	6.27	--	--	7.40	7.41
Pacific Contiguous	14.48	13.40	14.47	13.14	9.09	8.35	8.22	8.07	13.33	12.14
California	16.71	15.43	16.68	15.01	12.60	11.47	8.20	8.07	15.98	14.49
Oregon	10.22	10.06	8.36	8.32	6.02	5.73	9.03	8.30	8.43	8.22
Washington	8.87	8.71	7.72	7.58	4.27	4.07	8.31	7.76	6.98	6.80
Pacific Noncontiguous	29.84	30.53	25.57	26.08	25.88	27.88	--	--	26.87	27.97
Alaska	19.28	19.37	15.89	14.97	16.56	18.08	--	--	17.06	17.04
Hawaii	36.61	37.70	33.06	35.29	29.12	31.41	--	--	32.49	34.49
U.S. Total	12.61	12.00	10.81	10.42	7.32	7.15	10.90	10.57	10.71	10.31

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD	July 2013 YTD	July 2012 YTD
New England	15.81	15.86	14.02	13.83	12.22	12.05	11.27	6.90	14.33	14.18
Connecticut	17.36	17.33	14.69	14.75	12.68	12.76	9.94	10.00	15.63	15.59
Maine	14.35	14.69	11.70	11.65	8.57	7.67	--	--	11.95	11.79
Massachusetts	15.04	15.21	14.35	13.99	13.10	12.96	11.85	4.69	14.23	14.06
New Hampshire	16.45	16.26	13.57	13.50	11.52	11.69	--	--	14.41	14.31
Rhode Island	14.71	14.46	12.83	12.33	11.84	11.00	12.93	13.69	13.49	13.02
Vermont	17.24	16.94	14.64	14.43	10.20	10.04	--	--	14.49	14.24
Middle Atlantic	15.59	15.25	12.97	12.94	7.31	7.54	12.21	11.97	12.87	12.74
New Jersey	15.71	15.99	12.72	12.87	10.62	10.50	10.44	9.48	13.67	13.79
New York	18.78	17.36	15.21	15.02	6.50	6.84	13.75	13.59	15.62	15.07
Pennsylvania	12.65	12.89	9.29	9.39	7.02	7.24	7.87	7.72	9.82	9.95
East North Central	12.00	12.00	9.53	9.54	6.56	6.53	5.84	6.29	9.33	9.29
Illinois	10.38	11.53	7.92	8.28	5.71	5.99	5.60	6.12	8.03	8.63
Indiana	10.75	10.31	9.45	9.14	6.55	6.41	9.85	9.68	8.57	8.26
Michigan	14.50	14.07	11.09	10.94	7.89	7.68	9.36	7.54	11.30	11.02
Ohio	11.86	11.57	9.40	9.46	6.07	6.04	6.49	6.81	9.13	8.96
Wisconsin	13.68	13.21	10.83	10.53	7.52	7.40	--	--	10.64	10.34
West North Central	10.86	10.48	8.95	8.41	6.58	6.19	8.48	7.56	8.94	8.48
Iowa	10.96	10.73	8.37	7.88	5.60	5.22	--	--	8.03	7.66
Kansas	11.56	11.11	9.58	9.09	7.09	6.89	--	--	9.60	9.20
Minnesota	11.82	11.25	9.50	8.72	7.02	6.51	9.76	8.52	9.48	8.83
Missouri	10.56	10.10	8.82	8.22	6.16	5.82	7.42	6.79	9.02	8.50
Nebraska	10.07	9.81	8.57	8.30	7.30	6.89	--	--	8.64	8.28
North Dakota	8.85	8.89	8.15	7.83	7.08	6.62	--	--	8.04	7.75
South Dakota	10.03	9.82	8.32	7.99	6.88	6.48	--	--	8.71	8.37
South Atlantic	11.27	11.32	9.35	9.40	6.44	6.49	8.69	8.31	9.67	9.70
Delaware	12.98	13.53	10.23	9.98	8.53	8.11	--	--	10.98	10.93
District of Columbia	12.39	12.34	11.90	12.15	6.04	5.12	9.60	8.59	11.80	11.94
Florida	11.30	11.44	9.50	9.73	7.69	8.04	8.66	8.47	10.27	10.46
Georgia	11.21	10.96	9.84	9.50	6.07	5.86	8.05	7.83	9.51	9.23
Maryland	12.99	12.82	10.51	10.59	8.38	8.13	8.55	8.10	11.45	11.32
North Carolina	10.73	10.74	8.64	8.59	6.24	6.33	7.89	7.87	9.06	9.04
South Carolina	11.78	11.52	9.79	9.49	5.82	5.93	--	--	9.08	8.93
Virginia	10.79	11.23	7.99	8.26	6.62	6.70	8.09	8.73	8.95	9.21
West Virginia	9.58	9.83	8.25	8.42	6.27	6.30	10.28	8.59	8.00	8.12
East South Central	10.40	10.19	9.83	9.80	5.88	6.06	11.64	11.29	8.64	8.49
Alabama	11.26	11.27	10.54	10.55	5.98	6.18	--	--	9.02	9.09
Kentucky	9.69	9.24	8.54	8.64	5.31	5.36	--	--	7.41	7.17
Mississippi	10.71	10.25	10.04	9.32	6.36	6.17	--	--	9.01	8.56
Tennessee	10.08	9.97	10.09	10.22	6.42	6.97	11.64	11.29	9.24	9.15
West South Central	10.64	10.25	8.18	8.04	5.81	5.41	10.38	10.27	8.43	8.12
Arkansas	9.41	9.13	8.00	7.61	5.86	5.54	NM	NM	7.79	7.44
Louisiana	9.32	8.28	8.95	7.77	5.88	4.72	9.60	8.44	7.95	6.83
Oklahoma	9.56	9.34	7.65	7.21	5.31	5.11	--	--	7.74	7.46
Texas	11.28	10.99	8.14	8.26	5.87	5.67	10.51	10.55	8.74	8.62
Mountain	11.20	10.82	9.27	8.90	6.35	6.09	10.28	9.38	9.07	8.72
Arizona	11.65	11.23	9.89	9.48	6.56	6.39	--	--	10.11	9.73
Colorado	11.77	11.25	9.72	9.18	7.13	6.81	10.58	9.33	9.68	9.20
Idaho	9.06	8.32	7.25	6.77	6.04	5.55	--	--	7.40	6.82
Montana	10.27	9.94	9.50	9.07	5.31	4.97	--	--	8.52	8.17
Nevada	11.67	11.89	8.75	8.85	6.26	6.31	7.96	8.08	8.84	8.90
New Mexico	11.67	11.25	9.59	9.14	6.29	5.79	--	--	9.16	8.73
Utah	10.33	9.85	8.29	8.05	5.82	5.57	10.30	9.73	8.11	7.80
Wyoming	10.00	9.65	8.50	8.13	6.35	6.01	--	--	7.47	7.15
Pacific Contiguous	13.35	12.74	12.29	11.66	7.94	7.63	7.46	7.76	11.73	11.17
California	16.19	15.31	13.95	13.11	10.85	10.37	7.41	7.74	14.15	13.36
Oregon	9.85	9.78	8.36	8.35	5.76	5.53	8.84	8.26	8.32	8.23
Washington	8.60	8.45	7.73	7.65	4.11	4.06	8.29	8.15	7.02	6.92
Pacific Noncontiguous	28.47	29.01	25.29	25.60	26.25	27.35	--	--	26.55	27.19
Alaska	17.99	18.05	15.25	14.89	16.13	17.22	--	--	16.37	16.45
Hawaii	37.10	37.61	34.24	35.29	29.97	31.17	--	--	33.40	34.40
U.S. Total	12.03	11.80	10.24	10.07	6.76	6.64	10.44	9.95	10.01	9.80

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.
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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, July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**5**	**0**	**1**	**0**	**0**	**9**
Connecticut	0	6	0	2	0	0	43
Maine	0	8	0	5	0	0	13
Massachusetts	5	13	0	1	0	0	24
New Hampshire	0	18	0	1	0	0	15
Rhode Island	0	71	0	2	0	0	375
Vermont	0	110	0	0	0	0	27
Middle Atlantic	**1**	**3**	**101**	**1**	**11**	**0**	**3**
New Jersey	0	16	155	2	38	0	167
New York	4	3	0	2	0	0	3
Pennsylvania	1	10	131	1	9	0	13
East North Central	**0**	**4**	**4**	**1**	**6**	**0**	**23**
Illinois	0	12	0	4	24	0	68
Indiana	0	14	0	4	6	0	33
Michigan	1	6	69	3	0	0	47
Ohio	1	4	4	2	33	0	32
Wisconsin	1	18	0	4	0	0	37
West North Central	**1**	**7**	**0**	**5**	**71**	**0**	**8**
Iowa	2	8	0	11	0	0	52
Kansas	0	15	0	23	0	0	223
Minnesota	3	20	0	6	0	0	71
Missouri	1	24	0	8	0	0	16
Nebraska	1	25	0	14	0	0	41
North Dakota	2	10	0	163	71	0	0
South Dakota	7	58	0	20	0	0	2
South Atlantic	**0**	**2**	**0**	**1**	**0**	**0**	**4**
Delaware	2	22	0	4	0	0	0
District of Columbia	0	0	0	102	0	0	0
Florida	0	5	0	1	0	0	71
Georgia	0	19	0	1	0	0	10
Maryland	0	12	0	6	0	0	4
North Carolina	1	8	0	1	0	0	5
South Carolina	0	3	0	3	0	0	8
Virginia	1	2	0	1	0	0	15
West Virginia	0	0	0	4	0	0	15
East South Central	**0**	**10**	**0**	**1**	**13**	**0**	**3**
Alabama	1	33	0	2	14	0	4
Kentucky	1	10	0	10	0	0	7
Mississippi	0	18	0	1	0	0	0
Tennessee	0	10	0	2	0	0	6
West South Central	**0**	**9**	**4**	**1**	**3**	**0**	**9**
Arkansas	0	9	0	3	0	0	13
Louisiana	0	11	5	1	4	0	0
Oklahoma	0	62	0	1	0	0	18
Texas	0	23	6	1	3	0	28
Mountain	**1**	**8**	**0**	**1**	**12**	**0**	**5**
Arizona	0	5	0	1	0	0	3
Colorado	1	55	0	5	0	0	33
Idaho	55	1,165	0	4	0	0	9
Montana	6	53	0	88	0	0	6
Nevada	0	6	0	1	0	0	4
New Mexico	0	21	0	4	0	0	136
Utah	3	31	0	7	99	0	48
Wyoming	2	7	0	34	8	0	8
Pacific Contiguous	**2**	**9**	**103**	**1**	**5**	**0**	**2**
California	9	10	103	2	6	0	5
Oregon	0	14	0	1	0	0	4
Washington	0	19	0	3	0	0	2
Pacific Noncontiguous	**4**	**1**	**0**	**10**	**91**	**0**	**34**
Alaska	13	6	0	10	326	0	34
Hawaii	3	1	0	0	94	0	178
U.S. Total	**0**	**1**	**2**	**0**	**3**	**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, July 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**	**70**	**4**	**0**	**3**	**1**
Connecticut	0	0	0	0	16	0	4	1
Maine	0	0	0	0	3	0	10	4
Massachusetts	0	0	0	76	9	0	4	1
New Hampshire	0	0	0	0	12	0	27	1
Rhode Island	0	0	0	363	61	0	0	2
Vermont	0	0	0	201	13	0	0	6
Middle Atlantic	**0**	**0**	**0**	**29**	**4**	**0**	**3**	**0**
New Jersey	0	0	0	34	16	0	5	1
New York	0	0	0	0	6	0	6	1
Pennsylvania	0	0	0	89	6	0	5	1
East North Central	**0**	**0**	**0**	**70**	**3**	**0**	**6**	**0**
Illinois	0	0	0	95	4	0	21	0
Indiana	0	0	0	268	7	0	2	1
Michigan	0	0	0	0	6	0	10	1
Ohio	0	0	0	110	11	0	0	0
Wisconsin	0	0	0	0	8	0	32	1
West North Central	**0**	**0**	**0**	**384**	**1**	**0**	**9**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	384	4	0	9	2
Missouri	0	0	0	0	8	0	0	1
Nebraska	0	0	0	0	5	0	0	2
North Dakota	0	0	0	0	1	0	35	2
South Dakota	0	0	0	0	1	0	0	3
South Atlantic	**0**	**0**	**0**	**23**	**3**	**0**	**3**	**0**
Delaware	0	0	0	102	65	0	0	3
District of Columbia	0	0	0	0	0	0	0	102
Florida	0	0	0	20	5	0	3	0
Georgia	0	0	0	280	4	0	4	0
Maryland	0	0	0	89	10	0	1	1
North Carolina	0	0	0	38	8	0	34	1
South Carolina	0	0	0	0	4	0	0	1
Virginia	0	0	0	0	5	0	5	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**126**	**3**	**0**	**30**	**0**
Alabama	0	0	0	0	4	0	0	1
Kentucky	0	0	0	0	24	0	0	1
Mississippi	0	0	0	0	3	0	231	1
Tennessee	0	0	0	126	9	0	0	1
West South Central	**0**	**0**	**0**	**40**	**1**	**0**	**11**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	5	0	7	1
Oklahoma	0	0	0	0	1	0	114	1
Texas	0	0	0	40	1	0	19	0
Mountain	**0**	**4**	**0**	**8**	**2**	**0**	**5**	**1**
Arizona	0	0	0	10	9	0	0	0
Colorado	0	0	0	32	1	0	39	2
Idaho	0	30	0	0	7	0	0	6
Montana	0	0	0	0	5	0	0	4
Nevada	0	5	0	12	4	0	36	1
New Mexico	0	0	0	36	8	0	0	1
Utah	0	6	0	439	7	0	4	3
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**9**	**1**	**0**	**7**	**1**
California	0	2	0	9	2	0	8	1
Oregon	0	0	0	153	2	0	33	2
Washington	0	0	0	0	1	0	17	1
Pacific Noncontiguous	**0**	**0**	**0**	**188**	**8**	**0**	**0**	**3**
Alaska	0	0	0	0	63	0	0	9
Hawaii	0	0	0	188	7	0	0	2
U.S. Total	**0**	**2**	**0**	**7**	**1**	**0**	**2**	**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 July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**3**	**0**	**0**	**0**	**0**	**4**
Connecticut	0	4	0	1	0	0	17
Maine	0	3	0	2	0	0	5
Massachusetts	2	7	0	1	0	0	10
New Hampshire	0	12	0	1	0	0	6
Rhode Island	0	20	0	1	0	0	150
Vermont	0	78	0	0	0	0	11
Middle Atlantic	**0**	**2**	**42**	**0**	**5**	**0**	**1**
New Jersey	0	7	83	1	17	0	74
New York	2	2	0	1	0	0	1
Pennsylvania	0	5	55	0	3	0	5
East North Central	**0**	**2**	**1**	**0**	**3**	**0**	**7**
Illinois	0	3	0	2	11	0	28
Indiana	0	5	0	1	3	0	11
Michigan	1	4	26	1	0	0	14
Ohio	0	1	1	0	16	0	12
Wisconsin	0	9	0	1	0	0	12
West North Central	**0**	**2**	**0**	**2**	**32**	**0**	**3**
Iowa	1	3	0	6	0	0	18
Kansas	0	4	0	12	0	0	98
Minnesota	1	14	0	2	0	0	20
Missouri	0	6	0	2	0	0	4
Nebraska	1	4	0	10	0	0	13
North Dakota	1	8	0	53	32	0	0
South Dakota	3	21	0	18	0	0	1
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**2**
Delaware	1	12	0	1	0	0	0
District of Columbia	0	0	0	50	0	0	0
Florida	0	4	0	0	0	0	29
Georgia	0	6	0	1	0	0	5
Maryland	0	8	0	4	0	0	2
North Carolina	0	6	0	1	0	0	3
South Carolina	0	7	0	1	0	0	6
Virginia	1	2	0	1	0	0	8
West Virginia	0	0	0	4	0	0	5
East South Central	**0**	**3**	**0**	**1**	**6**	**0**	**1**
Alabama	0	9	0	1	6	0	1
Kentucky	0	5	0	4	0	0	3
Mississippi	0	8	0	1	0	0	0
Tennessee	0	4	0	1	0	0	2
West South Central	**0**	**2**	**1**	**0**	**1**	**0**	**3**
Arkansas	0	4	0	1	0	0	5
Louisiana	0	3	2	1	2	0	0
Oklahoma	0	5	0	1	0	0	5
Texas	0	4	2	0	2	0	14
Mountain	**0**	**3**	**0**	**0**	**4**	**0**	**2**
Arizona	0	3	0	0	0	0	1
Colorado	0	36	0	2	0	0	9
Idaho	22	346	0	1	0	0	3
Montana	2	13	0	46	0	0	2
Nevada	0	1	0	0	0	0	1
New Mexico	0	8	0	2	0	0	38
Utah	1	5	0	3	44	0	15
Wyoming	1	4	0	8	3	0	5
Pacific Contiguous	**1**	**10**	**47**	**1**	**2**	**0**	**1**
California	5	5	47	1	2	0	2
Oregon	0	38	0	0	0	0	1
Washington	0	23	0	1	0	0	1
Pacific Noncontiguous	**2**	**1**	**0**	**3**	**40**	**0**	**10**
Alaska	5	2	0	3	140	0	10
Hawaii	1	1	0	0	41	0	50
U.S. Total	**0**	**1**	**1**	**0**	**1**	**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.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through July 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**	**27**	**1**	**0**	**2**	**0**
Connecticut	0	0	0	0	5	0	3	0
Maine	0	0	0	0	1	0	6	2
Massachusetts	0	0	0	29	3	0	3	1
New Hampshire	0	0	0	0	5	0	21	1
Rhode Island	0	0	0	207	20	0	0	1
Vermont	0	0	0	71	5	0	0	2
Middle Atlantic	**0**	**0**	**0**	**11**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	13	6	0	4	0
New York	0	0	0	2	1	0	3	0
Pennsylvania	0	0	0	30	1	0	3	0
East North Central	**0**	**0**	**0**	**24**	**1**	**0**	**3**	**0**
Illinois	0	0	0	33	1	0	9	0
Indiana	0	0	0	120	1	0	1	0
Michigan	0	0	0	0	2	0	5	0
Ohio	0	0	0	37	3	0	0	0
Wisconsin	0	0	0	0	2	0	13	0
West North Central	**0**	**0**	**0**	**136**	**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	136	1	0	6	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	27	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**1**	**0**
Delaware	0	0	0	36	22	0	0	1
District of Columbia	0	0	0	0	0	0	0	50
Florida	0	0	0	8	2	0	2	0
Georgia	0	0	0	116	2	0	6	0
Maryland	0	0	0	34	3	0	0	0
North Carolina	0	0	0	17	3	0	14	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	2	0	2	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**66**	**1**	**0**	**16**	**0**
Alabama	0	0	0	0	2	0	0	0
Kentucky	0	0	0	0	7	0	0	0
Mississippi	0	0	0	0	1	0	76	0
Tennessee	0	0	0	66	4	0	0	0
West South Central	**0**	**0**	**0**	**15**	**0**	**0**	**5**	**0**
Arkansas	0	0	0	0	2	0	0	0
Louisiana	0	0	0	0	2	0	3	0
Oklahoma	0	0	0	0	0	0	49	0
Texas	0	0	0	15	0	0	8	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**3**	**0**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	11	0	0	20	1
Idaho	0	14	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	2	0	28	0
New Mexico	0	0	0	13	2	0	0	0
Utah	0	3	0	155	3	0	2	1
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**1**	**0**	**3**	**0**	**0**	**4**	**0**
California	0	1	0	3	1	0	5	1
Oregon	0	0	0	54	1	0	26	1
Washington	0	0	0	0	1	0	12	0
Pacific Noncontiguous	**0**	**0**	**0**	**65**	**3**	**0**	**0**	**1**
Alaska	0	0	0	0	18	0	0	3
Hawaii	0	0	0	65	3	0	0	1
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.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**8**	**0**	**6**	**0**	**0**	**24**
Connecticut	0	111	0	0	0	0	144
Maine	0	216	0	0	0	0	0
Massachusetts	0	4	0	8	0	0	56
New Hampshire	0	4	0	0	0	0	19
Rhode Island	0	53	0	0	0	0	0
Vermont	0	118	0	0	0	0	43
Middle Atlantic	**618**	**3**	**0**	**5**	**0**	**0**	**1**
New Jersey	0	225	0	0	0	0	0
New York	618	2	0	5	0	0	1
Pennsylvania	0	360	0	422	0	0	9
East North Central	**0**	**4**	**0**	**3**	**0**	**0**	**24**
Illinois	0	33	0	21	0	0	143
Indiana	0	11	0	6	0	0	33
Michigan	1	6	0	8	0	0	50
Ohio	1	6	0	4	0	0	32
Wisconsin	1	16	0	7	0	0	40
West North Central	**1**	**7**	**0**	**6**	**0**	**0**	**8**
Iowa	2	8	0	11	0	0	52
Kansas	0	15	0	23	0	0	0
Minnesota	4	19	0	7	0	0	110
Missouri	1	24	0	10	0	0	16
Nebraska	1	25	0	14	0	0	41
North Dakota	2	9	0	0	0	0	0
South Dakota	7	59	0	20	0	0	2
South Atlantic	**0**	**1**	**0**	**0**	**0**	**0**	**4**
Delaware	0	224	0	236	0	0	0
Florida	0	4	0	1	0	0	71
Georgia	0	5	0	1	0	0	10
Maryland	0	87	0	0	0	0	0
North Carolina	0	3	0	2	0	0	6
South Carolina	0	3	0	3	0	0	8
Virginia	0	1	0	0	0	0	15
West Virginia	0	0	0	0	0	0	48
East South Central	**0**	**5**	**0**	**2**	**0**	**0**	**3**
Alabama	1	0	0	6	0	0	4
Kentucky	1	10	0	12	0	0	7
Mississippi	1	33	0	2	0	0	0
Tennessee	0	1	0	0	0	0	6
West South Central	**0**	**9**	**0**	**1**	**0**	**0**	**11**
Arkansas	0	1	0	9	0	0	13
Louisiana	0	100	0	2	0	0	0
Oklahoma	0	56	0	2	0	0	18
Texas	0	24	0	2	0	0	29
Mountain	**1**	**9**	**0**	**1**	**0**	**0**	**5**
Arizona	0	5	0	2	0	0	3
Colorado	1	55	0	8	0	0	34
Idaho	0	1,165	0	6	0	0	10
Montana	87	613	0	96	0	0	6
Nevada	0	7	0	0	0	0	2
New Mexico	0	18	0	6	0	0	136
Utah	2	31	0	5	0	0	48
Wyoming	1	7	0	147	0	0	8
Pacific Contiguous	**0**	**7**	**0**	**2**	**169**	**0**	**2**
California	0	6	0	3	169	0	5
Oregon	0	0	0	1	0	0	4
Washington	0	29	0	3	0	0	2
Pacific Noncontiguous	**0**	**1**	**0**	**10**	**0**	**0**	**34**
Alaska	0	6	0	10	0	0	34
Hawaii	0	1	0	0	0	0	370
U.S. Total	**0**	**1**	**0**	**1**	**21**	**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, July 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**	**273**	**5**	**0**	**0**	**6**
Connecticut	0	0	0	0	0	0	0	96
Maine	0	0	0	0	0	0	0	216
Massachusetts	0	0	0	273	94	0	0	17
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	53
Vermont	0	0	0	0	0	0	0	24
Middle Atlantic	**0**	**0**	**0**	**104**	**104**	**0**	**0**	**2**
New Jersey	0	0	0	104	104	0	0	7
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	12
East North Central	**0**	**0**	**0**	**206**	**8**	**0**	**0**	**0**
Illinois	0	0	0	0	198	0	0	3
Indiana	0	0	0	0	40	0	0	1
Michigan	0	0	0	0	6	0	0	1
Ohio	0	0	0	206	143	0	0	1
Wisconsin	0	0	0	0	3	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**6**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	5	0	0	2
Missouri	0	0	0	0	121	0	0	1
Nebraska	0	0	0	0	27	0	0	2
North Dakota	0	0	0	0	4	0	35	2
South Dakota	0	0	0	0	4	0	0	4
South Atlantic	**0**	**0**	**0**	**12**	**7**	**0**	**0**	**0**
Delaware	0	0	0	0	0	0	0	221
Florida	0	0	0	0	12	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	214	214	0	0	115
North Carolina	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	16	0	0	1
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**	**70**	**0**	**0**	**0**
Alabama	0	0	0	0	610	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**	**1**	**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	1
Texas	0	0	0	0	3	0	0	1
Mountain	**0**	**0**	**0**	**47**	**8**	**0**	**36**	**1**
Arizona	0	0	0	53	50	0	0	0
Colorado	0	0	0	0	46	0	0	2
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	7
Nevada	0	0	0	0	0	0	36	0
New Mexico	0	0	0	105	105	0	0	1
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	2	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**38**	**2**	**0**	**0**	**1**
California	0	0	0	38	5	0	0	2
Oregon	0	0	0	260	3	0	0	3
Washington	0	0	0	0	2	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**68**	**0**	**0**	**5**
Alaska	0	0	0	0	81	0	0	10
Hawaii	0	0	0	0	0	0	0	2
U.S. Total	**0**	**0**	**0**	**22**	**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.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**3**	**0**	**10**	**0**	**0**	**10**
Connecticut	0	29	0	107	0	0	57
Maine	0	64	0	0	0	0	0
Massachusetts	0	1	0	4	0	0	23
New Hampshire	0	1	0	0	0	0	8
Rhode Island	0	16	0	0	0	0	0
Vermont	0	76	0	0	0	0	18
Middle Atlantic	**268**	**2**	**0**	**2**	**0**	**0**	**1**
New Jersey	0	173	0	0	0	0	0
New York	268	2	0	2	0	0	1
Pennsylvania	0	107	0	264	0	0	3
East North Central	**0**	**1**	**0**	**1**	**0**	**0**	**8**
Illinois	0	8	0	9	0	0	59
Indiana	0	4	0	1	0	0	11
Michigan	1	2	0	3	0	0	15
Ohio	0	2	0	1	0	0	12
Wisconsin	0	9	0	2	0	0	12
West North Central	**0**	**2**	**0**	**3**	**0**	**0**	**3**
Iowa	1	3	0	6	0	0	18
Kansas	0	4	0	12	0	0	0
Minnesota	1	13	0	2	0	0	27
Missouri	0	6	0	3	0	0	4
Nebraska	1	4	0	10	0	0	13
North Dakota	1	7	0	403	0	0	0
South Dakota	3	21	0	18	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**2**
Delaware	0	172	0	142	0	0	0
Florida	0	4	0	0	0	0	29
Georgia	0	4	0	0	0	0	5
Maryland	0	32	0	0	0	0	0
North Carolina	0	6	0	1	0	0	3
South Carolina	0	8	0	1	0	0	6
Virginia	0	1	0	0	0	0	8
West Virginia	0	0	0	0	0	0	19
East South Central	**0**	**2**	**0**	**1**	**0**	**0**	**1**
Alabama	0	0	0	4	0	0	1
Kentucky	0	5	0	4	0	0	3
Mississippi	0	11	0	1	0	0	0
Tennessee	0	0	0	0	0	0	2
West South Central	**0**	**4**	**0**	**1**	**0**	**0**	**4**
Arkansas	0	0	0	11	0	0	5
Louisiana	0	14	0	2	0	0	0
Oklahoma	0	4	0	1	0	0	5
Texas	0	7	0	2	0	0	14
Mountain	**0**	**3**	**0**	**1**	**0**	**0**	**2**
Arizona	0	2	0	1	0	0	1
Colorado	0	36	0	2	0	0	10
Idaho	0	346	0	3	0	0	4
Montana	40	406	0	49	0	0	2
Nevada	0	2	0	0	0	0	0
New Mexico	0	7	0	2	0	0	38
Utah	1	5	0	2	0	0	15
Wyoming	1	3	0	82	0	0	5
Pacific Contiguous	**0**	**14**	**0**	**1**	**77**	**0**	**1**
California	0	3	0	1	77	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	167	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**3**	**0**	**0**	**10**
Alaska	0	2	0	3	0	0	10
Hawaii	0	1	0	0	0	0	120
U.S. Total	**0**	**1**	**0**	**0**	**13**	**0**	**0**

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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 July 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**	**79**	**2**	**0**	**0**	**3**
Connecticut	0	0	0	0	0	0	0	49
Maine	0	0	0	0	0	0	0	64
Massachusetts	0	0	0	79	24	0	0	11
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	16
Vermont	0	0	0	0	0	0	0	10
Middle Atlantic	**0**	**0**	**0**	**35**	**35**	**0**	**0**	**1**
New Jersey	0	0	0	35	35	0	0	3
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**	**81**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	43	0	0	1
Indiana	0	0	0	0	13	0	0	0
Michigan	0	0	0	0	1	0	0	0
Ohio	0	0	0	81	40	0	0	0
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	1	0	0	1
Missouri	0	0	0	0	38	0	0	0
Nebraska	0	0	0	0	7	0	0	1
North Dakota	0	0	0	0	1	0	27	1
South Dakota	0	0	0	0	1	0	0	1
South Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**0**
Delaware	0	0	0	174	174	0	0	128
Florida	0	0	0	0	4	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	124	120	0	0	54
North Carolina	0	0	0	240	191	0	0	0
South Carolina	0	0	0	0	5	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**	**22**	**0**	**0**	**0**
Alabama	0	0	0	0	181	0	0	0
Kentucky	0	0	0	0	23	0	0	0
Mississippi	0	0	0	0	0	0	0	0
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**	**18**	**2**	**0**	**28**	**0**
Arizona	0	0	0	19	17	0	0	0
Colorado	0	0	0	0	9	0	0	1
Idaho	0	0	0	0	0	0	0	3
Montana	0	0	0	0	8	0	0	3
Nevada	0	0	0	0	0	0	28	0
New Mexico	0	0	0	58	58	0	0	0
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**15**	**1**	**0**	**0**	**0**
California	0	0	0	15	2	0	0	1
Oregon	0	0	0	95	1	0	0	1
Washington	0	0	0	0	1	0	0	0
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**18**	**0**	**0**	**2**
Alaska	0	0	0	0	30	0	0	3
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**0**	**0**	**9**	**0**	**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.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**4**	**4**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	5	0	2	0	0	45
Maine	0	3	0	0	0	0	14
Massachusetts	5	15	0	1	0	0	26
New Hampshire	0	3,706	0	0	0	0	19
Rhode Island	0	248	0	2	0	0	375
Vermont	0	0	0	0	0	0	34
Middle Atlantic	**1**	**5**	**0**	**1**	**71**	**0**	**12**
New Jersey	0	15	0	2	0	0	167
New York	4	6	0	1	0	0	14
Pennsylvania	1	10	0	1	71	0	22
East North Central	**0**	**5**	**0**	**1**	**0**	**0**	**83**
Illinois	0	0	0	3	0	0	65
Indiana	1	124,793	0	5	0	0	0
Michigan	29	0	0	3	0	0	167
Ohio	1	4	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	178
West North Central	**0**	**151**	**0**	**3**	**0**	**0**	**107**
Iowa	0	188	0	1,925	0	0	538
Kansas	0	0	0	0	0	0	223
Minnesota	0	0	0	2	0	0	119
Missouri	0	0	0	5	0	0	0
South Dakota	0	252	0	0	0	0	0
South Atlantic	**1**	**8**	**0**	**2**	**0**	**0**	**7**
Delaware	2	19	0	4	0	0	0
Florida	3	151	0	7	0	0	0
Georgia	0	472	0	3	0	0	268
Maryland	0	11	0	6	0	0	4
North Carolina	17	272	0	0	0	0	155
South Carolina	0	0	0	7	0	0	130
Virginia	23	5	0	2	0	0	117
West Virginia	0	0	0	0	0	0	11
East South Central	**0**	**214**	**0**	**1**	**0**	**0**	**336**
Alabama	0	214	0	1	0	0	0
Kentucky	0	0	0	0	0	0	336
Mississippi	0	0	0	1	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	144
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	1	0	0	158
Mountain	**6**	**48**	**0**	**1**	**0**	**0**	**15**
Arizona	0	0	0	0	0	0	0
Colorado	56	0	0	6	0	0	132
Idaho	0	0	0	4	0	0	36
Montana	6	39	0	211	0	0	16
Nevada	0	0	0	3	0	0	202
New Mexico	0	333	0	6	0	0	0
Utah	104	0	0	37	0	0	448
Wyoming	56	0	0	255	0	0	573
Pacific Contiguous	**2**	**18**	**103**	**2**	**0**	**0**	**24**
California	11	60	103	2	0	0	26
Oregon	0	0	0	2	0	0	82
Washington	0	14	0	0	0	0	103
Pacific Noncontiguous	**4**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	34	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**0**	**2**	**4**	**0**	**1**	**0**	**6**

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, July 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**	**73**	**5**	**0**	**3**	**1**
Connecticut	0	0	0	0	16	0	4	1
Maine	0	0	0	0	3	0	6	5
Massachusetts	0	0	0	80	13	0	5	1
New Hampshire	0	0	0	0	17	0	27	2
Rhode Island	0	0	0	363	61	0	0	2
Vermont	0	0	0	201	35	0	0	5
Middle Atlantic	**0**	**0**	**0**	**33**	**5**	**0**	**3**	**0**
New Jersey	0	0	0	41	18	0	7	1
New York	0	0	0	0	6	0	4	1
Pennsylvania	0	0	0	95	7	0	6	0
East North Central	**0**	**0**	**0**	**76**	**4**	**0**	**13**	**0**
Illinois	0	0	0	95	4	0	0	0
Indiana	0	0	0	268	1	0	0	1
Michigan	0	0	0	0	9	0	13	2
Ohio	0	0	0	140	15	0	0	0
Wisconsin	0	0	0	0	16	0	0	1
West North Central	**0**	**0**	**0**	**384**	**1**	**0**	**18**	**1**
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	384	5	0	18	5
Missouri	0	0	0	0	6	0	0	4
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**34**	**6**	**0**	**3**	**1**
Delaware	0	0	0	102	66	0	0	3
Florida	0	0	0	93	9	0	4	4
Georgia	0	0	0	501	13	0	0	3
Maryland	0	0	0	104	11	0	0	1
North Carolina	0	0	0	41	15	0	34	3
South Carolina	0	0	0	0	149	0	0	8
Virginia	0	0	0	0	18	0	0	4
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**135**	**19**	**0**	**0**	**1**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	7
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	135	70	0	0	70
West South Central	**0**	**0**	**0**	**40**	**1**	**0**	**0**	**0**
Arkansas	0	0	0	0	84	0	0	1
Louisiana	0	0	0	0	79	0	0	0
Oklahoma	0	0	0	0	1	0	0	1
Texas	0	0	0	40	1	0	0	0
Mountain	**0**	**5**	**0**	**8**	**2**	**0**	**3**	**2**
Arizona	0	0	0	9	8	0	0	1
Colorado	0	0	0	32	1	0	56	3
Idaho	0	30	0	0	9	0	0	9
Montana	0	0	0	0	5	0	0	5
Nevada	0	5	0	12	4	0	0	3
New Mexico	0	0	0	38	7	0	0	5
Utah	0	32	0	439	10	0	158	28
Wyoming	0	0	0	0	6	0	0	25
Pacific Contiguous	**0**	**2**	**0**	**8**	**1**	**0**	**10**	**1**
California	0	2	0	8	2	0	11	1
Oregon	0	0	0	189	2	0	33	2
Washington	0	0	0	0	2	0	25	2
Pacific Noncontiguous	**0**	**0**	**0**	**188**	**9**	**0**	**0**	**3**
Alaska	0	0	0	0	99	0	0	33
Hawaii	0	0	0	188	8	0	0	2
U.S. Total	**0**	**2**	**0**	**7**	**1**	**0**	**2**	**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 July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**0**	**0**	**0**	**4**
Connecticut	0	3	0	1	0	0	18
Maine	0	1	0	0	0	0	6
Massachusetts	2	9	0	1	0	0	11
New Hampshire	0	2,475	0	0	0	0	8
Rhode Island	0	23	0	1	0	0	150
Vermont	0	0	0	0	0	0	13
Middle Atlantic	**0**	**3**	**0**	**0**	**40**	**0**	**5**
New Jersey	0	6	0	1	0	0	74
New York	2	3	0	1	0	0	6
Pennsylvania	0	5	0	0	40	0	8
East North Central	**0**	**3**	**0**	**0**	**0**	**0**	**25**
Illinois	0	0	0	1	0	0	26
Indiana	0	83,294	0	3	0	0	0
Michigan	7	0	0	1	0	0	44
Ohio	0	1	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	58
West North Central	**0**	**34**	**0**	**2**	**0**	**0**	**36**
Iowa	0	55	0	1,666	0	0	183
Kansas	0	0	0	0	0	0	98
Minnesota	0	20	0	2	0	0	40
Missouri	0	0	0	2	0	0	0
South Dakota	0	75	0	0	0	0	395
South Atlantic	**1**	**6**	**0**	**1**	**0**	**0**	**3**
Delaware	1	11	0	1	0	0	0
Florida	2	73	0	4	0	0	0
Georgia	0	500	0	2	0	0	128
Maryland	0	8	0	3	0	0	2
North Carolina	9	27	0	0	0	0	72
South Carolina	0	0	0	10	0	0	57
Virginia	14	6	0	1	0	0	49
West Virginia	0	0	0	0	0	0	4
East South Central	**0**	**53**	**0**	**0**	**0**	**0**	**132**
Alabama	0	53	0	0	0	0	0
Kentucky	0	0	0	9	0	0	132
Mississippi	0	0	0	1	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**3**
Arkansas	0	0	0	0	0	0	60
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	64
Mountain	**2**	**14**	**0**	**1**	**0**	**0**	**5**
Arizona	0	0	0	0	0	0	0
Colorado	31	0	0	3	0	0	41
Idaho	0	0	0	2	0	0	15
Montana	2	9	0	130	0	0	5
Nevada	0	0	0	2	0	0	67
New Mexico	0	199	0	2	0	0	0
Utah	39	311	0	19	0	0	149
Wyoming	26	0	0	159	0	0	172
Pacific Contiguous	**1**	**10**	**47**	**1**	**0**	**0**	**10**
California	7	33	47	1	0	0	12
Oregon	0	0	0	0	0	0	25
Washington	0	4	0	0	0	0	25
Pacific Noncontiguous	**2**	**5**	**0**	**0**	**0**	**0**	**0**
Alaska	15	0	0	0	0	0	0
Hawaii	0	5	0	0	0	0	0
U.S. Total	**0**	**2**	**2**	**0**	**0**	**0**	**2**

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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 July 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**	**28**	**2**	**0**	**2**	**0**
Connecticut	0	0	0	0	5	0	3	0
Maine	0	0	0	0	1	0	6	2
Massachusetts	0	0	0	31	4	0	3	1
New Hampshire	0	0	0	0	7	0	21	1
Rhode Island	0	0	0	207	20	0	0	1
Vermont	0	0	0	71	12	0	0	2
Middle Atlantic	**0**	**0**	**0**	**12**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	15	7	0	6	0
New York	0	0	0	0	1	0	3	0
Pennsylvania	0	0	0	32	1	0	3	0
East North Central	**0**	**0**	**0**	**26**	**1**	**0**	**9**	**0**
Illinois	0	0	0	33	1	0	0	0
Indiana	0	0	0	120	0	0	0	1
Michigan	0	0	0	0	3	0	9	1
Ohio	0	0	0	44	3	0	0	0
Wisconsin	0	0	0	0	5	0	0	0
West North Central	**0**	**0**	**0**	**136**	**0**	**0**	**14**	**0**
Iowa	0	0	0	0	1	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	136	1	0	14	1
Missouri	0	0	0	0	1	0	0	1
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**	**14**	**2**	**0**	**2**	**0**
Delaware	0	0	0	37	23	0	0	1
Florida	0	0	0	31	3	0	3	3
Georgia	0	0	0	501	8	0	0	2
Maryland	0	0	0	37	3	0	0	0
North Carolina	0	0	0	18	5	0	14	1
South Carolina	0	0	0	0	48	0	0	10
Virginia	0	0	0	0	7	0	0	2
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**67**	**6**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	10
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	67	19	0	0	19
West South Central	**0**	**0**	**0**	**15**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	28	0	0	0
Louisiana	0	0	0	0	25	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	15	0	0	0	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**2**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	11	0	0	42	1
Idaho	0	14	0	0	2	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	13	2	0	0	1
Utah	0	15	0	155	4	0	71	12
Wyoming	0	0	0	0	1	0	0	6
Pacific Contiguous	**0**	**1**	**0**	**3**	**1**	**0**	**8**	**0**
California	0	1	0	3	1	0	8	1
Oregon	0	0	0	66	1	0	26	1
Washington	0	0	0	0	1	0	20	1
Pacific Noncontiguous	**0**	**0**	**0**	**65**	**3**	**0**	**0**	**2**
Alaska	0	0	0	0	22	0	0	12
Hawaii	0	0	0	65	3	0	0	2
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, July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**51**	**0**	**23**	**0**	**0**	**389**
Connecticut	0	677	0	60	0	0	0
Maine	0	234	0	1,148	0	0	0
Massachusetts	0	65	0	19	0	0	389
New Hampshire	0	91	0	0	0	0	0
Rhode Island	0	318	0	109	0	0	0
Vermont	0	302	0	0	0	0	0
Middle Atlantic	**203**	**43**	**0**	**24**	**241**	**0**	**397**
New Jersey	0	480	0	64	241	0	0
New York	0	34	0	26	0	0	397
Pennsylvania	203	59	0	89	0	0	0
East North Central	**12**	**261**	**0**	**17**	**0**	**0**	**455**
Illinois	138	170	0	15	0	0	599
Indiana	13	2,332	0	108	0	0	0
Michigan	0	102	0	26	0	0	0
Ohio	209	444	0	60	0	0	0
Wisconsin	104	3,505	0	70	0	0	546
West North Central	**20**	**147**	**0**	**38**	**0**	**0**	**0**
Iowa	32	882	0	209	0	0	0
Minnesota	136	156	0	67	0	0	0
Missouri	0	591	0	0	0	0	0
Nebraska	0	0	0	394	0	0	0
North Dakota	0	1,122	0	0	0	0	0
South Dakota	0	1,211	0	0	0	0	0
South Atlantic	**139**	**243**	**0**	**52**	**0**	**0**	**175**
District of Columbia	0	0	0	102	0	0	0
Florida	0	0	0	157	0	0	0
Georgia	0	144	0	0	0	0	0
Maryland	0	5,817	0	65	0	0	0
North Carolina	0	415	0	0	0	0	165
South Carolina	0	245	0	433	0	0	814
Virginia	139	161	0	0	0	0	0
East South Central	**94**	**0**	**0**	**77**	**0**	**0**	**0**
Mississippi	0	0	0	244	0	0	0
Tennessee	94	0	0	79	0	0	0
West South Central	**0**	**331**	**0**	**28**	**0**	**0**	**0**
Arkansas	0	0	0	1,166	0	0	0
Louisiana	0	0	0	176	0	0	0
Oklahoma	0	238	0	155	0	0	0
Texas	0	486	0	26	0	0	0
Mountain	**0**	**709**	**0**	**47**	**0**	**0**	**0**
Arizona	0	709	0	98	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	92	0	0	0
New Mexico	0	0	0	82	0	0	0
Utah	0	0	0	99	0	0	0
Pacific Contiguous	**0**	**171**	**0**	**18**	**0**	**0**	**219**
California	0	167	0	19	0	0	219
Oregon	0	710	0	123	0	0	0
Washington	0	773	0	203	0	0	0
Pacific Noncontiguous	**18**	**41**	**0**	**326**	**0**	**0**	**0**
Alaska	18	95	0	326	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**11**	**38**	**0**	**9**	**241**	**0**	**148**

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, July 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**	**365**	**50**	**0**	**34**	**18**
Connecticut	0	0	0	0	0	0	0	60
Maine	0	0	0	0	52	0	34	32
Massachusetts	0	0	0	365	172	0	0	19
New Hampshire	0	0	0	0	0	0	0	91
Rhode Island	0	0	0	0	0	0	0	106
Vermont	0	0	0	0	248	0	0	209
Middle Atlantic	**0**	**0**	**0**	**77**	**18**	**0**	**10**	**12**
New Jersey	0	0	0	77	27	0	0	23
New York	0	0	0	0	35	0	22	17
Pennsylvania	0	0	0	0	16	0	0	26
East North Central	**0**	**0**	**0**	**354**	**30**	**0**	**18**	**12**
Illinois	0	0	0	0	0	0	0	15
Indiana	0	0	0	0	117	0	77	28
Michigan	0	0	0	0	29	0	18	14
Ohio	0	0	0	354	354	0	0	57
Wisconsin	0	0	0	0	182	0	1,650	71
West North Central	**0**	**0**	**0**	**0**	**72**	**0**	**66**	**17**
Iowa	0	0	0	0	97	0	0	30
Minnesota	0	0	0	0	139	0	66	49
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	160	0	0	151
North Dakota	0	0	0	0	0	0	0	1,122
South Dakota	0	0	0	0	0	0	0	1,211
South Atlantic	**0**	**0**	**0**	**97**	**23**	**0**	**12**	**19**
Delaware	0	0	0	0	345	0	0	345
District of Columbia	0	0	0	0	0	0	0	102
Florida	0	0	0	501	94	0	0	96
Georgia	0	0	0	338	105	0	0	100
Maryland	0	0	0	284	73	0	448	53
North Carolina	0	0	0	109	109	0	0	93
South Carolina	0	0	0	0	0	0	0	355
Virginia	0	0	0	0	21	0	12	13
East South Central	**0**	**0**	**0**	**346**	**346**	**0**	**0**	**65**
Mississippi	0	0	0	0	0	0	0	244
Tennessee	0	0	0	346	346	0	0	65
West South Central	**0**	**0**	**0**	**423**	**91**	**0**	**0**	**27**
Arkansas	0	0	0	0	252	0	0	252
Louisiana	0	0	0	0	0	0	0	176
Oklahoma	0	0	0	0	0	0	0	153
Texas	0	0	0	423	97	0	0	25
Mountain	**0**	**0**	**0**	**70**	**64**	**0**	**0**	**39**
Arizona	0	0	0	354	354	0	0	94
Colorado	0	0	0	169	113	0	0	68
Nevada	0	0	0	73	73	0	0	64
New Mexico	0	0	0	0	347	0	0	80
Utah	0	0	0	0	0	0	0	99
Pacific Contiguous	**0**	**0**	**0**	**78**	**14**	**0**	**0**	**12**
California	0	0	0	78	14	0	0	13
Oregon	0	0	0	0	105	0	0	84
Washington	0	0	0	0	0	0	0	200
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**
Alaska	0	0	0	0	0	0	0	18
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**41**	**10**	**0**	**6**	**6**

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 July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**31**	**0**	**11**	**0**	**0**	**165**
Connecticut	0	201	0	29	0	0	0
Maine	0	161	0	570	0	0	0
Massachusetts	0	36	0	8	0	0	165
New Hampshire	0	62	0	0	0	0	0
Rhode Island	0	212	0	59	0	0	0
Vermont	0	208	0	0	0	0	0
Middle Atlantic	**72**	**96**	**0**	**11**	**170**	**0**	**168**
New Jersey	0	221	0	33	170	0	0
New York	0	109	0	11	0	0	168
Pennsylvania	72	21	0	52	0	0	0
East North Central	**4**	**298**	**0**	**8**	**0**	**0**	**160**
Illinois	11	116	0	6	0	0	283
Indiana	6	1,321	0	57	0	0	0
Michigan	0	331	0	10	0	0	0
Ohio	74	132	0	31	0	0	0
Wisconsin	40	2,257	0	37	0	0	182
West North Central	**8**	**127**	**0**	**17**	**0**	**0**	**0**
Iowa	13	184	0	107	0	0	0
Minnesota	48	141	0	25	0	0	0
Missouri	0	176	0	0	0	0	0
Nebraska	0	0	0	157	0	0	0
North Dakota	0	334	0	0	0	0	0
South Dakota	0	359	0	0	0	0	0
South Atlantic	**23**	**131**	**0**	**25**	**0**	**0**	**59**
District of Columbia	0	0	0	50	0	0	0
Florida	0	0	0	82	0	0	0
Georgia	0	43	0	0	0	0	0
Maryland	0	3,687	0	31	0	0	0
North Carolina	0	123	0	0	0	0	54
South Carolina	0	73	0	110	0	0	489
Virginia	81	33	0	0	0	0	0
East South Central	**37**	**0**	**0**	**41**	**0**	**0**	**0**
Mississippi	0	0	0	143	0	0	0
Tennessee	37	0	0	39	0	0	0
West South Central	**0**	**138**	**0**	**15**	**0**	**0**	**0**
Arkansas	0	0	0	481	0	0	0
Louisiana	0	0	0	104	0	0	0
Oklahoma	0	71	0	69	0	0	0
Texas	0	205	0	14	0	0	0
Mountain	**0**	**211**	**0**	**17**	**0**	**0**	**0**
Arizona	0	211	0	31	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	31	0	0	0
New Mexico	0	0	0	28	0	0	0
Utah	0	0	0	201	0	0	0
Pacific Contiguous	**0**	**244**	**0**	**6**	**0**	**0**	**144**
California	0	50	0	7	0	0	144
Oregon	0	1,814	0	42	0	0	0
Washington	0	544	0	128	0	0	0
Pacific Noncontiguous	**5**	**36**	**0**	**164**	**0**	**0**	**0**
Alaska	5	60	0	164	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**4**	**28**	**0**	**4**	**170**	**0**	**61**

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 July 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**	**139**	**21**	**0**	**15**	**9**
Connecticut	0	0	0	0	0	0	0	29
Maine	0	0	0	0	24	0	15	15
Massachusetts	0	0	0	139	42	0	0	8
New Hampshire	0	0	0	0	0	0	0	62
Rhode Island	0	0	0	0	0	0	0	57
Vermont	0	0	0	0	96	0	0	117
Middle Atlantic	**0**	**0**	**0**	**31**	**8**	**0**	**4**	**5**
New Jersey	0	0	0	31	9	0	0	10
New York	0	0	0	291	16	0	10	8
Pennsylvania	0	0	0	0	7	0	0	11
East North Central	**0**	**0**	**0**	**125**	**12**	**0**	**7**	**5**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	51	0	35	14
Michigan	0	0	0	0	12	0	7	5
Ohio	0	0	0	125	125	0	0	29
Wisconsin	0	0	0	0	77	0	610	32
West North Central	**0**	**0**	**0**	**0**	**26**	**0**	**30**	**7**
Iowa	0	0	0	0	42	0	0	13
Minnesota	0	0	0	0	35	0	30	18
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	72	0	0	66
North Dakota	0	0	0	0	0	0	0	334
South Dakota	0	0	0	0	0	0	0	359
South Atlantic	**0**	**0**	**0**	**36**	**10**	**0**	**6**	**8**
Delaware	0	0	0	0	70	0	0	70
District of Columbia	0	0	0	0	0	0	0	50
Florida	0	0	0	177	41	0	0	47
Georgia	0	0	0	119	46	0	0	44
Maryland	0	0	0	104	31	0	194	25
North Carolina	0	0	0	41	41	0	0	19
South Carolina	0	0	0	0	0	0	0	128
Virginia	0	0	0	0	10	0	6	6
East South Central	**0**	**0**	**0**	**346**	**346**	**0**	**0**	**35**
Mississippi	0	0	0	0	0	0	0	143
Tennessee	0	0	0	346	346	0	0	32
West South Central	**0**	**0**	**0**	**150**	**40**	**0**	**0**	**14**
Arkansas	0	0	0	0	115	0	0	116
Louisiana	0	0	0	0	0	0	0	104
Oklahoma	0	0	0	0	0	0	0	68
Texas	0	0	0	150	42	0	0	13
Mountain	**0**	**0**	**0**	**23**	**20**	**0**	**0**	**14**
Arizona	0	0	0	125	95	0	0	30
Colorado	0	0	0	49	33	0	0	28
Nevada	0	0	0	24	24	0	0	21
New Mexico	0	0	0	0	92	0	0	27
Utah	0	0	0	0	0	0	0	201
Pacific Contiguous	**0**	**0**	**0**	**27**	**6**	**0**	**0**	**5**
California	0	0	0	27	6	0	0	5
Oregon	0	0	0	0	49	0	0	32
Washington	0	0	0	0	0	0	0	126
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
Alaska	0	0	0	0	0	0	0	6
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**15**	**4**	**0**	**3**	**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.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**48**	**91**	**0**	**13**	**0**	**0**	**30**
Connecticut	0	208	0	48	0	0	0
Maine	0	129	0	12	0	0	29
Massachusetts	81	128	0	55	0	0	373
New Hampshire	0	816	0	164	0	0	412
Vermont	0	0	0	0	0	0	208
Middle Atlantic	**13**	**20**	**101**	**22**	**10**	**0**	**120**
New Jersey	0	311	155	40	38	0	0
New York	0	3	0	47	0	0	120
Pennsylvania	21	167	131	30	7	0	0
East North Central	**5**	**44**	**37**	**22**	**7**	**0**	**119**
Illinois	6	5,049	0	38	27	0	0
Indiana	69	52	0	32	6	0	0
Michigan	30	0	119	55	0	0	295
Ohio	20	0	714	99	33	0	0
Wisconsin	9	705	0	60	0	0	131
West North Central	**8**	**101**	**0**	**55**	**71**	**0**	**144**
Iowa	8	542	0	0	0	0	0
Kansas	0	0	0	127	0	0	0
Minnesota	18	134	0	70	0	0	144
Missouri	65	0	0	524	0	0	0
Nebraska	26	0	0	126	0	0	0
North Dakota	50	160	0	163	71	0	0
South Atlantic	**9**	**34**	**0**	**10**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	44	99	0	19	0	0	0
Georgia	11	47	0	28	0	0	226
Maryland	0	0	0	83	0	0	0
North Carolina	43	145	0	70	0	0	16
South Carolina	10	0	0	43	0	0	0
Virginia	19	77	0	38	0	0	288
West Virginia	7	0	0	248	0	0	6
East South Central	**4**	**70**	**0**	**10**	**13**	**0**	**13**
Alabama	20	81	0	13	14	0	0
Kentucky	0	0	0	56	0	0	0
Mississippi	0	0	0	14	0	0	0
Tennessee	4	275	0	88	0	0	13
West South Central	**29**	**92**	**18**	**2**	**5**	**0**	**0**
Arkansas	0	649	0	34	0	0	0
Louisiana	0	0	69	3	6	0	0
Oklahoma	32	0	0	96	0	0	0
Texas	0	379	7	3	9	0	0
Mountain	**8**	**872**	**0**	**19**	**12**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	3,785	0	175	0	0	0
Idaho	55	0	0	79	0	0	0
Montana	153	0	0	0	0	0	0
Nevada	0	0	0	45	0	0	0
New Mexico	0	0	0	83	0	0	0
Utah	0	0	0	58	99	0	0
Wyoming	23	896	0	14	8	0	0
Pacific Contiguous	**5**	**39**	**0**	**6**	**6**	**0**	**920**
California	6	56	0	6	6	0	0
Oregon	0	0	0	71	0	0	0
Washington	0	50	0	0	0	0	920
Pacific Noncontiguous	**102**	**27**	**0**	**103**	**91**	**0**	**234**
Alaska	0	27	0	103	326	0	0
Hawaii	102	42	0	0	94	0	234
U.S. Total	**4**	**16**	**16**	**2**	**4**	**0**	**11**

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, July 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**	**2**	**0**	**15**	**7**
Connecticut	0	0	0	0	0	0	345	47
Maine	0	0	0	0	3	0	0	7
Massachusetts	0	0	0	0	0	0	0	16
New Hampshire	0	0	0	0	0	0	0	154
Vermont	0	0	0	0	0	0	0	208
Middle Atlantic	**0**	**0**	**0**	**228**	**9**	**0**	**0**	**9**
New Jersey	0	0	0	501	501	0	0	31
New York	0	0	0	0	5	0	0	15
Pennsylvania	0	0	0	254	13	0	0	12
East North Central	**0**	**0**	**0**	**0**	**6**	**0**	**8**	**4**
Illinois	0	0	0	0	0	0	21	8
Indiana	0	0	0	0	127	0	0	7
Michigan	0	0	0	0	8	0	0	17
Ohio	0	0	0	0	13	0	0	16
Wisconsin	0	0	0	0	9	0	64	11
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**57**	**7**
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	127
Minnesota	0	0	0	0	9	0	57	14
Missouri	0	0	0	0	419	0	0	65
Nebraska	0	0	0	0	0	0	0	26
North Dakota	0	0	0	0	0	0	0	41
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**5**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	6	0	5	6
Georgia	0	0	0	0	4	0	4	5
Maryland	0	0	0	0	0	0	0	18
North Carolina	0	0	0	0	5	0	0	8
South Carolina	0	0	0	0	0	0	0	2
Virginia	0	0	0	0	5	0	0	8
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**94**	**3**
Alabama	0	0	0	0	4	0	0	4
Kentucky	0	0	0	0	5	0	0	31
Mississippi	0	0	0	0	3	0	231	6
Tennessee	0	0	0	0	8	0	0	5
West South Central	**0**	**0**	**0**	**0**	**3**	**0**	**11**	**2**
Arkansas	0	0	0	0	3	0	0	5
Louisiana	0	0	0	0	5	0	7	2
Oklahoma	0	0	0	0	23	0	114	22
Texas	0	0	0	0	9	0	19	3
Mountain	**0**	**0**	**0**	**812**	**6**	**0**	**10**	**6**
Arizona	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	324	0	50	57
Idaho	0	0	0	0	4	0	0	11
Montana	0	0	0	0	0	0	0	153
Nevada	0	0	0	812	812	0	0	45
New Mexico	0	0	0	0	0	0	0	83
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**363**	**5**	**0**	**10**	**5**
California	0	0	0	363	13	0	10	5
Oregon	0	0	0	0	7	0	0	13
Washington	0	0	0	0	6	0	0	5
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**56**	**0**	**0**	**37**
Alaska	0	0	0	0	525	0	0	54
Hawaii	0	0	0	0	55	0	0	47
U.S. Total	**0**	**0**	**0**	**188**	**2**	**0**	**5**	**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.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through July 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**15**	**23**	**0**	**6**	**0**	**0**	**10**
Connecticut	0	148	0	26	0	0	0
Maine	0	26	0	5	0	0	9
Massachusetts	33	20	0	31	0	0	158
New Hampshire	0	6,103	0	82	0	0	180
Vermont	0	0	0	0	0	0	82
Middle Atlantic	**5**	**11**	**46**	**11**	**4**	**0**	**47**
New Jersey	0	324	83	19	17	0	0
New York	0	7	0	22	0	0	47
Pennsylvania	7	102	55	15	3	0	0
East North Central	**2**	**12**	**14**	**10**	**3**	**0**	**40**
Illinois	3	1,497	0	20	12	0	0
Indiana	29	10	0	14	3	0	0
Michigan	10	0	49	20	0	0	99
Ohio	6	0	292	50	16	0	0
Wisconsin	3	132	0	22	0	0	43
West North Central	**3**	**54**	**0**	**19**	**32**	**0**	**44**
Iowa	3	161	0	107	0	0	0
Kansas	0	0	0	38	0	0	0
Minnesota	7	71	0	24	0	0	44
Missouri	25	0	0	292	0	0	0
Nebraska	11	0	0	53	0	0	0
North Dakota	21	84	0	54	32	0	0
South Atlantic	**4**	**9**	**0**	**6**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0
Florida	23	34	0	11	0	0	0
Georgia	6	12	0	14	0	0	87
Maryland	0	0	0	46	0	0	0
North Carolina	22	50	0	24	0	0	7
South Carolina	7	0	0	15	0	0	0
Virginia	9	15	0	25	0	0	118
West Virginia	3	0	0	149	0	0	2
East South Central	**2**	**26**	**0**	**5**	**6**	**0**	**5**
Alabama	11	29	0	6	6	0	0
Kentucky	0	0	0	27	0	0	0
Mississippi	0	0	0	7	0	0	0
Tennessee	1	154	0	20	0	0	5
West South Central	**14**	**14**	**6**	**1**	**2**	**0**	**0**
Arkansas	0	161	0	17	0	0	0
Louisiana	163	0	28	2	2	0	0
Oklahoma	19	0	0	44	0	0	0
Texas	0	161	2	2	4	0	0
Mountain	**5**	**171**	**0**	**7**	**5**	**0**	**0**
Arizona	82	137	0	84	0	0	0
Colorado	0	1,123	0	61	0	0	0
Idaho	22	0	0	18	0	0	0
Montana	59	0	0	0	0	0	0
Nevada	0	0	0	17	0	0	0
New Mexico	0	0	0	30	0	0	0
Utah	0	0	0	15	44	0	0
Wyoming	10	507	0	5	3	0	0
Pacific Contiguous	**2**	**16**	**0**	**2**	**2**	**0**	**314**
California	2	15	0	2	2	0	0
Oregon	0	0	0	24	0	0	0
Washington	0	24	0	0	0	0	314
Pacific Noncontiguous	**61**	**18**	**0**	**34**	**40**	**0**	**76**
Alaska	0	8	0	34	140	0	0
Hawaii	61	26	0	0	41	0	76
U.S. Total	**2**	**6**	**6**	**1**	**2**	**0**	**4**

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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 July 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**	**6**	**3**
Connecticut	0	0	0	0	0	0	153	26
Maine	0	0	0	0	1	0	0	3
Massachusetts	0	0	0	0	0	0	0	7
New Hampshire	0	0	0	0	257	0	0	75
Vermont	0	0	0	0	0	0	0	82
Middle Atlantic	**0**	**0**	**0**	**75**	**3**	**0**	**0**	**4**
New Jersey	0	0	0	177	177	0	0	15
New York	0	0	0	0	2	0	0	6
Pennsylvania	0	0	0	81	5	0	0	5
East North Central	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**2**
Illinois	0	0	0	0	0	0	9	4
Indiana	0	0	0	0	58	0	0	3
Michigan	0	0	0	0	3	0	0	6
Ohio	0	0	0	0	5	0	0	6
Wisconsin	0	0	0	0	4	0	28	4
West North Central	**0**	**0**	**0**	**0**	**4**	**0**	**25**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	38
Minnesota	0	0	0	0	3	0	25	5
Missouri	0	0	0	0	169	0	0	26
Nebraska	0	0	0	0	0	0	0	11
North Dakota	0	0	0	0	227	0	0	17
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**1**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	3	0	2	3
Georgia	0	0	0	0	1	0	6	3
Maryland	0	0	0	0	0	0	0	8
North Carolina	0	0	0	0	2	0	0	3
South Carolina	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	2	0	0	4
West Virginia	0	0	0	0	0	0	0	2
East South Central	**0**	**0**	**0**	**0**	**1**	**0**	**43**	**1**
Alabama	0	0	0	0	2	0	0	2
Kentucky	0	0	0	0	2	0	0	13
Mississippi	0	0	0	0	1	0	76	3
Tennessee	0	0	0	0	4	0	0	2
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**1**
Arkansas	0	0	0	0	1	0	0	2
Louisiana	0	0	0	0	2	0	3	1
Oklahoma	0	0	0	0	10	0	49	12
Texas	0	0	0	0	4	0	8	2
Mountain	**0**	**0**	**0**	**183**	**2**	**0**	**5**	**3**
Arizona	0	0	0	0	0	0	0	67
Colorado	0	0	0	0	90	0	22	23
Idaho	0	0	0	0	2	0	0	4
Montana	0	0	0	0	0	0	0	59
Nevada	0	0	0	183	183	0	0	17
New Mexico	0	0	0	0	0	0	0	30
Utah	0	0	0	0	0	0	0	3
Wyoming	0	0	0	0	0	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**128**	**2**	**0**	**5**	**2**
California	0	0	0	128	5	0	5	2
Oregon	0	0	0	0	3	0	0	5
Washington	0	0	0	0	2	0	0	2
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**25**	**0**	**0**	**15**
Alaska	0	0	0	0	202	0	0	21
Hawaii	0	0	0	0	25	0	0	18
U.S. Total	**0**	**0**	**0**	**62**	**1**	**0**	**2**	**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, July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**0**	**2**	**0**	**1**
Connecticut	1	1	5	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	5	3	8	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	3	0	0
Pennsylvania	1	0	1	0	0
East North Central	**1**	**0**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	2	1	2	0	1
Michigan	1	0	2	0	1
Ohio	1	1	2	0	1
Wisconsin	2	1	3	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	2	1	4	0	2
Kansas	1	1	3	0	1
Minnesota	2	1	3	0	1
Missouri	2	1	5	0	1
Nebraska	2	2	4	0	2
North Dakota	3	1	8	0	3
South Dakota	4	2	7	0	2
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	2	1	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	1	0	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	2	1	3	0	1
Mississippi	2	2	2	0	1
Tennessee	2	1	6	0	1
West South Central	**1**	**1**	**1**	**2**	**0**
Arkansas	1	2	2	364	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	1	1	0	0
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	2	0	0
Colorado	2	1	3	0	1
Idaho	2	1	1	0	1
Montana	4	2	5	0	2
Nevada	1	1	2	0	1
New Mexico	3	2	4	0	2
Utah	2	1	1	0	1
Wyoming	4	2	2	0	1
Pacific Contiguous	**2**	**0**	**2**	**0**	**1**
California	3	0	2	0	1
Oregon	2	1	5	0	2
Washington	2	1	3	0	1
Pacific Noncontiguous	**2**	**1**	**2**	**0**	**1**
Alaska	5	3	9	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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 July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	2	0	0
Maine	0	1	1	0	0
Massachusetts	0	1	2	0	1
New Hampshire	0	1	2	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	4	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	1	0	0
Missouri	0	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	2	2	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	1	0	0
Georgia	1	1	1	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	1	0	1
Mississippi	1	1	1	0	1
Tennessee	0	1	2	0	1
West South Central	**0**	**0**	**0**	**1**	**0**
Arkansas	1	1	1	269	1
Louisiana	1	1	0	0	0
Oklahoma	1	1	1	0	1
Texas	0	0	1	0	0
Mountain	**0**	**0**	**0**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	1	1	2	0	1
Idaho	0	1	1	0	0
Montana	1	1	1	0	1
Nevada	0	0	0	0	0
New Mexico	1	1	2	0	1
Utah	1	1	1	0	0
Wyoming	1	1	1	0	0
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	1	2	0	0
Washington	0	1	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	1	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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, July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	1	3	0	1
Maine	1	1	3	0	1
Massachusetts	2	1	3	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	6	2	7	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	1	0	1	0	0
East North Central	**1**	**0**	**1**	**0**	**0**
Illinois	2	1	3	0	1
Indiana	3	1	2	0	1
Michigan	1	0	2	0	1
Ohio	2	1	3	0	1
Wisconsin	2	1	3	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	3	2	4	0	2
Kansas	2	1	4	0	1
Minnesota	2	1	4	0	1
Missouri	2	1	4	0	1
Nebraska	3	2	4	0	2
North Dakota	4	2	8	0	3
South Dakota	5	3	8	0	3
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	3	2	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	4	0	1
Georgia	1	1	2	0	1
Maryland	2	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	3	0	1
West Virginia	1	1	1	0	1
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	4	1	3	0	2
Mississippi	2	2	3	0	1
Tennessee	3	1	6	0	2
West South Central	**1**	**1**	**1**	**2**	**0**
Arkansas	2	2	3	389	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	4	0	1
Texas	1	1	2	0	1
Mountain	**1**	**1**	**1**	**0**	**0**
Arizona	1	1	3	0	1
Colorado	3	1	5	0	2
Idaho	2	1	1	0	1
Montana	5	2	7	0	3
Nevada	1	1	1	0	1
New Mexico	4	2	8	0	2
Utah	2	2	2	0	1
Wyoming	6	2	3	0	2
Pacific Contiguous	**2**	**0**	**2**	**0**	**1**
California	2	0	2	0	1
Oregon	2	1	5	0	2
Washington	2	1	5	0	1
Pacific Noncontiguous	**2**	**1**	**1**	**0**	**1**
Alaska	7	4	7	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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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 July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**8**	**0**
Connecticut	0	0	2	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	27	1
New Hampshire	0	0	2	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	4	0	1
Middle Atlantic	**0**	**0**	**1**	**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	2	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	0	2	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	2	0	1
Minnesota	1	1	1	0	0
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	5	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	0	0	2	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	3	0	1
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	2	280	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	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	0	1	0	0
New Mexico	1	1	5	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	0
Washington	0	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, July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**0**	**0**
Connecticut	0	0	3	0	0
Maine	1	0	1	0	0
Massachusetts	1	1	1	0	1
New Hampshire	1	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	2	2	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	0	1	0	0
Indiana	1	1	0	0	1
Michigan	0	0	1	0	0
Ohio	1	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	2	0	1
Minnesota	1	0	1	0	1
Missouri	1	1	1	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	1	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	0	1	0	0
Maryland	1	0	2	0	0
North Carolina	1	0	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	1	0	0	0	0
East South Central	**1**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	2	1	1	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	1	0	1
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	2	221	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	1	1	3	0	1
Idaho	1	1	0	0	0
Montana	2	1	3	0	1
Nevada	0	0	1	0	0
New Mexico	1	1	4	0	1
Utah	1	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**1**	**0**	**1**	**0**	**0**
California	1	0	1	0	1
Oregon	1	0	2	0	1
Washington	1	0	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	3	2	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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 July 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**8**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	27	1
New Hampshire	0	1	3	0	0
Rhode Island	0	0	0	0	0
Vermont	0	2	4	0	1
Middle Atlantic	**0**	**0**	**1**	**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	1	2	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	2	0	0
Wisconsin	0	1	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	0	1	1	0	1
Kansas	1	1	3	0	1
Minnesota	0	1	1	0	0
Missouri	0	1	3	0	1
Nebraska	0	1	2	0	1
North Dakota	0	1	3	0	1
South Dakota	1	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	1	5	0	1
District of Columbia	0	0	0	0	0
Florida	0	1	2	0	0
Georgia	0	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	0	1	1	0	0
Kentucky	0	1	2	0	1
Mississippi	1	2	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**0**	**1**	**2**	**0**
Arkansas	1	2	2	328	1
Louisiana	0	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	2	0	0
Colorado	0	1	3	0	1
Idaho	0	1	1	0	0
Montana	0	1	2	0	1
Nevada	0	1	1	0	0
New Mexico	0	1	5	0	1
Utah	0	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	1	2	0	0
Washington	0	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**

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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	04/18/2013 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	99000
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
2013	5	05/01/2013 9:22 AM	05/01/2013 9:24 AM	0 Hours, 2 Minutes	Xcel Energy/Public Service Company of Colorado	WECC	Northeast Colorado	Electrical System Separation (Islanding)	123	35230
2013	5	05/02/2013 6:52 AM	05/02/2013 10:07 AM	3 Hours, 15 Minutes	WECC	WECC	Unknown	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/09/2013 1:21 PM	05/09/2013 4:21 PM	3 Hours, 0 Minutes	WECC	WECC	Alberta, Canada; Washington State	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/13/2013 12:52 PM	ongoing	ongoing	California Department of Water Resources	WECC	Central California	Fuel Supply Emergency - Hydro	176	Unknown
2013	5	05/14/2013 12:01 AM	05/14/2013 1:59 PM	13 Hours, 58 Minutes	PacifiCorp	WECC	Portland, Oregon	Vandalism/Theft	N/A	N/A
2013	5	05/20/2013 3:00 PM	05/22/2013 5:00 PM	50 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Moore, Oklahoma	Severe Weather - Tornados	Unknown	41306
2013	5	05/20/2013 5:22 PM	05/20/2013 9:09 PM	3 Hours, 47 Minutes	Entergy Transmission - SOC	SERC	Gonzales Area Louisiana	Generator Trip; Load Shed 100+ MW	103	21800
2013	5	05/22/2013 10:51 AM	05/22/2013 10:57 AM	0 Hours, 6 Minutes	Puerto Rico Electric Power Authority	N/A	System wide Puerto Rico	System Wide Voltage Reduction	280	197287
2013	5	05/29/2013 8:58 PM	05/31/2013 2:53 PM	41 Hours, 55 Minutes	Niagara Mohawk Power Corp.	NPCC	Central and Eastern New York	Severe Weather - Thunderstorms	Unknown	61795
2013	5	05/31/2013 1:00 AM	05/31/2013 1:30 AM	0 Hours, 30 Minutes	Southwest Power Pool, Inc.	SPP	Maumelle, Arkansas	Severe Weather - Lightning	N/A	N/A
2013	5	05/31/2013 6:00 PM	06/04/2013 10:30 AM	88 Hours, 30 Minutes	Oklahoma Gas & Electric Co	SPP	El Reno, S. Oklahoma City, Oklahoma	Severe Weather - Tornados	Unknown	127000
2013	5	05/31/2013 7:07 PM	06/01/2013 2:15 PM	19 Hours, 8 Minutes	Coffeyville Municipal Light and Power	MRO	Southeast Kansas, Northeast Oklahoma	Transmission System Interruption	102	6300
2013	5	05/31/2013 7:30 PM	06/01/2013 8:00 PM	24 Hours, 30 Minutes	Ameren Missouri	SERC	St. Louis Metro Area Missouri	Severe Weather - Thunderstorms	Unknown	100000
2013	6	06/03/2013 12:50 PM	06/03/2013 1:36 PM	0 Hours, 46 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/13/2013 1:17 PM	06/14/2013 5:35 PM	28 Hours, 18 Minutes	Duke Energy Carolinas	SERC	Western Piedmont North Carolina	Severe Weather - Thunderstorms	1000	175000
2013	6	06/13/2013 3:20 PM	06/14/2013 9:10 PM	29 Hours, 50 Minutes	American Electric Power	RFC; SERC	Ohio; Virginia; West Virginia	Severe Weather - Thunderstorms	Unknown	90247
2013	6	06/13/2013 3:30 PM	06/13/2013 4:00 PM	0 Hours, 30 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Maryland	Loss of 300+ MW Load; Severe Weather - Thunderstorms	700	40000
2013	6	06/13/2013 4:08 PM	06/14/2013 5:16 PM	25 Hours, 8 Minutes	Dominion Virginia Power	SERC	Richmond Metro area, Virginia	Severe Weather - Thunderstorms	900	283000
2013	6	06/13/2013 5:45 PM	06/14/2013 6:30 PM	24 Hours, 45 Minutes	Duke Energy Progress	SERC	Central and Eastern North Carolina	Severe Weather - Thunderstorms	Unknown	53000
2013	6	06/13/2013 8:47 PM	06/14/2013 10:47 PM	26 Hours, 0 Minutes	Southern Company	SERC	Southern Company Territory	Severe Weather - Thunderstorms	550	165798
2013	6	06/17/2013 4:17 PM	06/17/2013 6:49 PM	2 Hours, 32 Minutes	Tampa Electric Co	FRCC	Hillsborough County Florida	Load Shed of 100+ MW Under Emergency Operational Policy	180	37
2013	6	06/18/2013 3:51 PM	06/18/2013 4:23 PM	0 Hours, 32 Minutes	Western Area Power Administration	WECC	Wyoming	Electrical System Separation (Islanding)	6	Unknown
2013	6	06/19/2013 7:57 PM	06/19/2013 8:09 PM	0 Hours, 12 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/21/2013 3:00 AM	06/26/2013 12:00 PM	129 Hours, 0 Minutes	Xcel Energy	MRO	Minnesota	Severe Weather - Hailstorm	Unknown	193000
2013	6	06/21/2013 5:39 PM	06/24/2013 6:00 AM	60 Hours, 21 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul area Minnesota	Severe Weather - Hailstorm	Unknown	400000
2013	6	06/23/2013 9:20 PM	06/24/2013 1:35 AM	4 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Central Coast California	Severe Weather - Fog	Unknown	148000
2013	6	06/24/2013 7:30 PM	06/25/2013 5:46 PM	22 Hours, 16 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	283451
2013	6	06/24/2013 7:30 PM	06/26/2013 5:00 PM	45 Hours, 30 Minutes	Northern Indiana Public Service Company	RFC	Indiana	Severe Weather - Thunderstorms	Unknown	86615
2013	6	06/27/2013 5:00 PM	06/28/2013 12:00 AM	7 Hours, 0 Minutes	Detroit Edison Co	RFC	South Eastern Michigan	Severe Weather - Thunderstorms	Unknown	138000
2013	6	06/28/2013 6:02 PM	06/28/2013 8:46 PM	2 Hours, 44 Minutes	Southern California Edison Co	WECC	Los Angeles and Orange Counties, California	Equipment Failure	240	65255
2013	7	07/02/2013 2:20 PM	07/05/2013 3:30 PM	73 Hours, 10 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Load Shed 100+MW	200	Unknown
2013	7	07/03/2013 12:04 PM	07/03/2013 12:48 PM	0 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	System-wide Puerto Rico	Voltage Reduction; Line and Generator Trip	480	393000
2013	7	07/10/2013 5:30 PM	07/11/2013 8:00 PM	26 Hours, 30 Minutes	American Electric Power	RFC	AEP Ohio Power Footprint	Severe Weather - Thunderstorms	N/A	122314
2013	7	07/17/2013 3:30 PM	07/19/2013 6:45 AM	39 Hours, 15 Minutes	Long Island Power Authority	NPCC	Holtsville, New York	Fuel Supply Emergency (Natural Gas)	417	Unknown
2013	7	07/18/2013 11:30 AM	07/19/2013 5:30 PM	30 Hours, 0 Minutes	Niagara Mohawk Power Corp.	NPCC	Upstate New York	Public Appeal - Heatwave	Unknown	Unknown
2013	7	07/18/2013 11:45 PM	07/19/2013 10:05 AM	10 Hours, 20 Minutes	San Diego Gas & Electric Co	WECC	Southern Orange County California	Equipment Failure	200	123000
2013	7	07/19/2013 6:00 PM	07/20/2013 9:00 AM	15 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	156627
2013	7	07/19/2013 10:30 PM	07/21/2013 8:00 PM	45 Hours, 30 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York	Severe Weather - Thunderstorms	Unknown	74300
2013	7	07/23/2013 11:38 PM	07/25/2013 4:30 AM	28 Hours, 52 Minutes	American Electric Power	SPP	Tulsa, Oklahoma	Severe Weather - Thunderstorms	500	92748

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, July 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	21.45	6.24	--	1.03
Connecticut	18.41	5.78	--	1.03
Maine	25.20	6.18	--	1.03
Massachusetts	23.08	6.25	--	1.03
New Hampshire	26.10	5.78	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.04	5.88	--	1.04
New Jersey	25.62	6.07	--	1.04
New York	21.21	5.85	--	1.05
Pennsylvania	23.06	5.95	--	1.04
East North Central	19.93	5.77	28.43	1.03
Illinois	17.70	5.77	--	1.02
Indiana	22.07	5.75	--	1.02
Michigan	18.83	5.81	28.99	1.02
Ohio	23.85	5.76	28.42	1.04
Wisconsin	18.09	5.82	28.36	1.02
West North Central	16.70	5.79	--	1.03
Iowa	17.14	5.73	--	1.03
Kansas	17.25	5.80	--	1.03
Minnesota	17.84	5.77	--	1.03
Missouri	17.72	5.79	--	1.02
Nebraska	17.26	5.80	--	1.02
North Dakota	13.17	5.88	--	--
South Dakota	16.67	--	--	1.03
South Atlantic	23.02	5.98	28.50	1.02
Delaware	25.95	5.67	--	1.06
District of Columbia	--	--	--	--
Florida	23.28	5.79	28.47	1.02
Georgia	19.44	5.93	29.05	1.02
Maryland	24.30	5.73	--	1.05
North Carolina	24.58	5.77	--	1.02
South Carolina	25.16	6.00	--	1.02
Virginia	22.33	6.20	--	1.04
West Virginia	24.25	5.71	--	1.03
East South Central	20.97	5.74	28.66	1.02
Alabama	20.31	5.65	--	1.02
Kentucky	22.48	5.80	28.66	1.03
Mississippi	16.04	5.79	--	1.02
Tennessee	20.72	5.76	--	1.01
West South Central	16.02	5.82	28.85	1.03
Arkansas	17.50	--	--	1.02
Louisiana	16.59	5.82	28.93	1.03
Oklahoma	17.44	5.76	--	1.04
Texas	15.48	5.82	28.56	1.02
Mountain	18.99	5.76	--	1.03
Arizona	19.15	5.60	--	1.03
Colorado	18.96	--	--	1.05
Idaho	--	--	--	1.01
Montana	17.02	5.92	--	--
Nevada	19.03	5.83	--	1.03
New Mexico	18.24	5.66	--	1.03
Utah	22.55	5.88	--	1.04
Wyoming	17.58	5.82	--	1.04
Pacific Contiguous	18.00	6.00	--	1.03
California	23.44	--	--	1.03
Oregon	16.91	--	--	1.03
Washington	16.95	6.00	--	1.03
Pacific Noncontiguous	20.81	6.18	--	1.01
Alaska	--	--	--	1.01
Hawaii	20.81	6.18	--	--
U.S. Total	19.13	6.03	28.63	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%	1.15%
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%	0.31%
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	956,538	1.16%
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	-0.25%
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.