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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	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Net Generation (Thousand Megawatthours)											
Coal	138,872	131,569	5.6%	104,846	100,067	32,826	30,303	78	68	1,122	1,130
Petroleum Liquids	1,011	1,317	-23.2%	735	945	240	314	6	10	30	48
Petroleum Coke	1,271	739	72.0%	966	473	143	110	0	0	163	157
Natural Gas	98,912	116,015	-14.7%	42,855	48,949	48,317	59,307	467	493	7,272	7,266
Other Gas	917	945	-3.0%	4	NM	258	227	0	NM	656	717
Nuclear	66,430	65,140	2.0%	34,504	34,052	31,926	31,088	0	0	0	0
Hydroelectric Conventional	27,331	26,611	2.7%	24,707	24,683	2,323	1,793	NM	NM	295	131
Other Renewables	20,887	18,631	12.1%	2,404	2,416	15,883	13,727	254	225	2,345	2,264
Wood and Wood-Derived Fuels	3,134	3,060	2.4%	174	129	698	740	NM	NM	2,260	2,188
Other Biomass	1,673	1,687	-0.8%	119	128	1,261	1,285	213	202	80	71
Geothermal	1,427	1,380	3.4%	93	92	1,334	1,288	0	0	0	0
Solar Thermal and Photovoltaic	880	561	56.9%	113	78	733	465	33	16	NM	NM
Wind	13,771	11,944	15.3%	1,906	1,987	11,856	9,948	6	NM	NM	NM
Hydroelectric Pumped Storage	-298	-475	-37.2%	-201	-397	-97	-78	0	0	0	0
Other Energy Sources	1,069	1,014	5.4%	35	40	625	605	92	79	316	290
All Energy Sources	356,400	361,506	-1.4%	210,854	211,229	132,443	137,397	903	880	12,199	12,000
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	75,241	71,750	4.9%	56,096	53,760	18,723	17,550	29	26	393	413
Petroleum Liquids (1000 barrels)	1,667	2,375	-29.8%	1,290	1,776	330	529	9	NM	38	54
Petroleum Coke (1000 tons)	470	265	77.5%	348	169	63	46	0	0	59	50
Natural Gas (1000 Mcf)	765,969	911,369	-16.0%	347,954	407,145	362,775	448,758	3,934	4,118	51,306	51,347
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,520	1,594	-4.7%	0	0	277	286	82	88	1,160	1,221
Petroleum Liquids (1000 barrels)	211	259	-18.9%	0	0	82	89	10	NM	119	157
Petroleum Coke (1000 tons)	75	100	-24.9%	0	0	6	6	0	0	69	94
Natural Gas (1000 Mcf)	69,714	75,498	-7.7%	0	0	24,964	28,908	3,198	3,551	41,553	43,039
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	76,761	73,344	4.7%	56,096	53,760	18,999	17,835	111	114	1,554	1,634
Petroleum Liquids (1000 barrels)	1,877	2,634	-28.7%	1,290	1,776	412	618	18	NM	156	211
Petroleum Coke (1000 tons)	545	365	49.4%	348	169	69	51	0	0	128	144
Natural Gas (1000 Mcf)	835,684	986,867	-15.3%	347,954	407,145	387,739	477,667	7,132	7,668	92,859	94,386
Fuel Stocks (end-of-month)											
Coal (1000 tons)	173,408	199,761	-13.2%	139,640	158,611	31,111	38,441	401	428	2,255	2,280
Petroleum Liquids (1000 barrels)	34,088	36,115	-5.6%	23,279	24,833	7,845	8,720	238	278	2,725	2,284
Petroleum Coke (1000 tons)	869	1,121	-22.4%	303	287	107	232	W	W	W	W

Sales, Revenue, and Average Retail Price for June									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	June 2013	June 2012	Percentage Change	June 2013	June 2012	Percentage Change	June 2013	June 2012	Percentage Change
Residential	117,736	122,992	-4.3%	14,768	14,869	-0.7%	12.54	12.09	3.7%
Commercial	117,674	117,651	0.0%	12,596	12,254	2.8%	10.70	10.42	2.7%
Industrial	81,376	83,202	-2.2%	5,805	5,754	0.9%	7.13	6.92	3.0%
Transportation	631	610	3.3%	67	62	8.2%	10.70	10.22	4.7%
All Sectors	317,416	324,455	-2.2%	33,236	32,939	0.9%	10.47	10.15	3.2%

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 June											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	764,524	692,947	10.3%	572,853	527,146	184,848	158,851	440	434	6,382	6,516
Petroleum Liquids	6,701	6,435	4.1%	4,648	4,902	1,770	1,220	47	36	237	277
Petroleum Coke	6,334	4,844	30.8%	4,578	2,902	848	932	2	2	906	1,007
Natural Gas	513,243	594,522	-13.7%	215,827	243,025	251,318	306,559	2,787	2,943	43,310	41,995
Other Gas	5,380	5,889	-8.6%	25	NM	1,280	1,394	NM	NM	4,075	4,488
Nuclear	381,881	381,049	0.2%	195,790	195,307	186,092	185,742	0	0	0	0
Hydroelectric Conventional	146,838	150,779	-2.6%	132,266	137,479	12,668	12,289	NM	NM	1,878	990
Other Renewables	131,456	114,440	14.9%	16,459	14,913	99,869	84,582	1,410	1,322	13,718	13,623
Wood and Wood-Derived Fuels	18,266	18,153	0.6%	967	845	4,040	4,129	12	12	13,247	13,166
Other Biomass	9,631	9,897	-2.7%	684	717	7,273	7,525	1,229	1,217	445	437
Geothermal	8,386	8,304	1.0%	515	563	7,871	7,742	0	0	0	0
Solar Thermal and Photovoltaic	3,677	1,891	94.4%	410	282	3,128	1,544	130	59	NM	NM
Wind	91,497	76,195	20.1%	13,883	12,506	77,557	63,642	38	33	18	14
Hydroelectric Pumped Storage	-1,963	-1,885	4.2%	-1,607	-1,558	-356	-326	0	0	0	0
Other Energy Sources	6,001	6,066	-1.1%	208	200	3,425	3,586	526	484	1,841	1,796
All Energy Sources	1,960,395	1,955,086	0.3%	1,141,047	1,124,321	741,762	754,828	5,240	5,244	72,346	70,693
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	413,803	377,815	9.5%	307,322	283,479	104,093	91,782	167	154	2,220	2,400
Petroleum Liquids (1000 barrels)	11,241	11,072	1.5%	8,246	8,745	2,632	1,929	67	55	296	343
Petroleum Coke (1000 tons)	2,310	1,765	30.9%	1,635	1,073	367	362	1	0	308	330
Natural Gas (1000 Mcf)	3,882,109	4,547,741	-14.6%	1,709,542	1,964,434	1,845,697	2,267,520	23,599	24,603	303,271	291,185
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	9,744	10,155	-4.1%	0	0	1,640	1,729	617	634	7,487	7,792
Petroleum Liquids (1000 barrels)	1,379	1,404	-1.8%	0	0	473	451	70	55	836	898
Petroleum Coke (1000 tons)	589	641	-8.1%	0	0	53	57	5	4	531	579
Natural Gas (1000 Mcf)	441,278	447,025	-1.3%	0	0	156,300	162,732	20,655	22,533	264,324	261,761
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	423,547	387,970	9.2%	307,322	283,479	105,732	93,511	784	788	9,708	10,192
Petroleum Liquids (1000 barrels)	12,620	12,476	1.2%	8,246	8,745	3,105	2,380	137	110	1,132	1,241
Petroleum Coke (1000 tons)	2,899	2,406	20.5%	1,635	1,073	420	420	5	4	839	909
Natural Gas (1000 Mcf)	4,323,387	4,994,766	-13.4%	1,709,542	1,964,434	2,001,997	2,430,252	44,254	47,136	567,595	552,945

Sales, Revenue, and Average Retail Price for January through June									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	Percentage Change
Residential	663,550	645,081	2.9%	78,972	75,813	4.2%	11.90	11.75	1.3%
Commercial	639,881	635,283	0.7%	64,795	63,521	2.0%	10.13	10.00	1.3%
Industrial	471,769	485,710	-2.9%	31,431	31,822	-1.2%	6.66	6.55	1.7%
Transportation	3,817	3,751	1.7%	396	369	7.2%	10.36	9.84	5.3%
All Sectors	1,779,017	1,769,826	0.5%	175,594	171,526	2.4%	9.87	9.69	1.9%

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	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal (1000 tons)	66,615	67,646	45.73	46.01	337	552	387,545	408,180	45.79	46.90
Petroleum Liquids (1000 barrels)	1,164	2,479	125.63	130.96	167	1,292	9,450	12,631	126.44	132.99
Petroleum Coke (1000 tons)	398	404	67.99	79.35	11	27	2,156	2,346	70.54	75.41
Natural Gas (1000 Mcf)	760,598	1,010,287	4.54	3.16	753	1,903	3,878,736	5,128,670	4.57	3.16

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal (1000 tons)	48,746	48,073	46.91	47.47	236	297	284,787	291,988	46.90	47.85
Petroleum Liquids (1000 barrels)	784	1,717	127.70	134.98	113	853	6,248	8,572	128.16	136.12
Petroleum Coke (1000 tons)	291	188	67.19	70.40	6	5	1,564	1,075	61.97	61.12
Natural Gas (1000 Mcf)	336,028	411,327	4.76	3.47	379	841	1,666,626	1,991,028	4.69	3.52

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal (1000 tons)	17,178	17,858	41.35	40.28	80	120	98,454	105,632	41.49	42.59
Petroleum Liquids (1000 barrels)	343	501	122.16	125.93	47	226	2,978	2,298	123.79	134.02
Petroleum Coke (1000 tons)	54	93	W	96.41	2	7	321	543	W	W
Natural Gas (1000 Mcf)	362,228	479,802	4.34	2.97	332	603	1,854,227	2,434,552	4.58	2.95

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal (1000 tons)	16	118	W	61.39	2	21	97	752	W	58.90
Petroleum Liquids (1000 barrels)	0	NM	--	121.71	0	88	0	206	--	129.22
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	5	--	W
Natural Gas (1000 Mcf)	401	NM	W	NM	2	129	2,331	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	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal (1000 tons)	676	1,597	W	64.88	19	114	4,207	9,808	W	64.37
Petroleum Liquids (1000 barrels)	38	236	114.07	113.35	7	125	224	1,555	112.55	114.71
Petroleum Coke (1000 tons)	52	123	W	80.06	3	15	270	723	W	W
Natural Gas (1000 Mcf)	61,941	111,229	W	2.78	40	330	355,552	653,589	W	2.80

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	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal	1,291,195	1,307,867	2.36	2.38	337	552	7,529,214	7,926,146	2.36	2.42
Petroleum Liquids	6,973	14,859	20.97	21.84	167	1,292	57,371	75,353	20.82	22.29
Petroleum Coke	11,292	11,735	2.39	2.73	11	27	61,364	67,313	2.48	2.63
Natural Gas	780,464	1,033,425	4.42	3.08	753	1,903	3,976,873	5,242,734	4.46	3.09
Fossil Fuels	2,089,924	2,367,840	3.15	2.81	963	2,947	11,624,811	13,311,327	3.13	2.79

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal	955,992	942,668	2.39	2.42	236	297	5,585,871	5,731,904	2.39	2.44
Petroleum Liquids	4,697	10,360	21.30	22.37	113	853	38,061	51,308	21.04	22.74
Petroleum Coke	8,302	5,504	2.36	2.40	6	5	44,757	31,098	2.17	2.11
Natural Gas	343,724	419,741	4.65	3.40	379	841	1,703,330	2,030,354	4.59	3.45
Fossil Fuels	1,312,715	1,378,249	3.05	2.87	523	1,531	7,372,008	7,844,546	2.99	2.83

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal	319,506	328,369	2.22	2.19	80	120	1,845,963	1,969,514	2.21	2.28
Petroleum Liquids	2,041	2,945	20.50	21.41	47	226	17,927	13,500	20.54	22.81
Petroleum Coke	1,541	2,703	W	3.32	2	7	9,018	15,595	W	W
Natural Gas	372,501	491,373	4.22	2.90	332	603	1,904,930	2,492,088	4.46	2.88
Fossil Fuels	695,589	825,368	W	2.68	394	818	3,777,837	4,490,596	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal	355	2,500	W	2.89	2	21	2,252	15,693	W	2.82
Petroleum Liquids	0	NM	--	20.67	0	88	0	1,222	--	21.80
Petroleum Coke	0	0	--	--	0	0	0	129	--	W
Natural Gas	404	NM	W	NM	2	129	2,350	NM	W	3.70
Fossil Fuels	759	NM	W	NM	2	180	4,601	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	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
Coal	15,342	34,331	W	3.02	19	114	95,129	209,035	W	3.02
Petroleum Liquids	234	1,406	18.49	19.04	7	125	1,383	9,322	18.23	19.14
Petroleum Coke	1,450	3,528	W	2.80	3	15	7,589	20,491	W	W
Natural Gas	63,835	114,191	W	2.70	40	330	366,264	669,721	W	2.73
Fossil Fuels	80,862	153,456	W	2.93	44	418	470,365	908,569	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	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
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	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	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	NG	GT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	WND	WT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	WND	WT
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	SUN	PV
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	SUN	PV
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	SUN	PV
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	SUB	ST
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	NG	GT
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	LFG	IC
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	SUN	PV
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	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	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	SUN	PV
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	NG	CA
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	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

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	7,450.2
Total Capacity of Retired Units Shown	7,971.0
U.S. Capacity	1,064,217.2

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	RFO	ST
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	RFO	ST
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	NG	IC
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	OG	ST
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	NUC	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	NG	ST
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	DFO	IC
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	NG	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	NG	ST
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	DFO	IC
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	NG	CA
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	DFO	IC
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	DFO	IC
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	DFO	CT
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	1	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	2	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	3	2.0	BIT	ST
2013	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	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	6	335.0	NG	ST
2013	5	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	7	337.0	NG	ST
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	DFO	IC
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	DFO	IC
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	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
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

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	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	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	WAT	HY

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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	7,450.2
Total Capacity of Retired Units Shown	7,971.0
U.S. Capacity	1,064,217.2

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-June 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
Year to Date											
2011	863,604	8,584	7,395	442,088	5,488	380,024	176,729	100,555	-2,473	6,867	1,988,862
2012	692,947	6,435	4,844	594,522	5,889	381,049	150,779	114,440	-1,885	6,066	1,955,086
2013	764,524	6,701	6,334	513,243	5,380	381,881	146,838	131,456	-1,963	6,001	1,960,395
Rolling 12 Months Ending in June											
2012	1,562,773	13,937	11,544	1,166,123	11,968	791,230	293,405	207,866	-5,317	13,353	4,066,880
2013	1,588,780	13,475	11,181	1,149,429	10,704	770,163	272,594	235,804	-4,736	12,400	4,059,794

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-June 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
Year to Date						
2011	64,726	825	18,130	7,671	9,204	100,555
2012	76,195	1,891	18,153	8,304	9,897	114,440
2013	91,497	3,677	18,266	8,386	9,631	131,456
Rolling 12-Month Ending in June						
2012	131,646	2,884	37,472	15,950	19,915	207,866
2013	155,390	6,128	37,654	16,873	19,759	235,804

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

Table 1.2. Net Generation by Energy Source: Electric Utilities, 2003-June 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
Year to Date											
2011	650,197	6,296	4,908	180,420	17	198,163	161,537	11,415	-2,342	309	1,210,921
2012	527,146	4,902	2,902	243,025	NM	195,307	137,479	14,913	-1,558	200	1,124,321
2013	572,853	4,648	4,578	215,827	25	195,790	132,266	16,459	-1,607	208	1,141,047
Rolling 12 Months Ending in June											
2012	1,178,056	10,294	7,423	477,448	NM	412,443	267,355	25,430	-4,515	495	2,374,445
2013	1,193,569	9,736	7,355	480,603	NM	395,305	248,091	29,377	-3,960	405	2,360,512

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-June 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
Year to Date											
2011	205,667	1,879	1,841	220,111	1,429	181,861	14,156	74,537	-131	3,417	704,767
2012	158,851	1,220	932	306,559	1,394	185,742	12,289	84,582	-326	3,586	754,828
2013	184,848	1,770	848	251,318	1,280	186,092	12,668	99,869	-356	3,425	741,762
Rolling 12 Months Ending in June											
2012	369,967	2,996	2,522	597,895	2,875	378,787	24,250	151,998	-802	7,229	1,537,718
2013	380,867	3,178	1,739	575,031	2,595	374,858	21,719	175,596	-776	7,044	1,541,850

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.
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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 1.4. Net Generation by Energy Source: Commerical Sector, 2003-June 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
Year to Date											
2011	562	48	2	2,451	2	0	14	1,203	0	446	4,729
2012	434	36	2	2,943	NM	0	NM	1,322	0	484	5,244
2013	440	47	2	2,787	NM	0	NM	1,410	0	526	5,240
Rolling 12 Months Ending in June											
2012	921	NM	3	5,980	NM	0	NM	2,594	0	987	10,595
2013	843	NM	6	5,714	NM	0	NM	2,834	0	1,078	10,617

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
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 1.5. Net Generation by Energy Source: Industrial Sector, 2003-June 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
Year to Date											
2011	7,177	361	644	39,106	4,040	0	1,022	13,399	0	2,695	68,445
2012	6,516	277	1,007	41,995	4,488	0	990	13,623	0	1,796	70,693
2013	6,382	237	906	43,310	4,075	0	1,878	13,718	0	1,841	72,346
Rolling 12 Months Ending in June											
2012	13,829	573	1,596	84,800	9,072	0	1,767	27,844	0	4,642	144,123
2013	13,501	466	2,081	88,082	8,077	0	2,738	27,997	0	3,873	146,815

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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	9,891	10,157	-2.6%	283	198	9,069	9,405	80	81	459	473
Connecticut	2,939	3,071	-4.3%	NM	NM	2,897	3,018	NM	18	NM	28
Maine	1,202	1,171	2.6%	NM	NM	823	737	18	16	361	417
Massachusetts	2,874	3,080	-6.7%	59	48	2,701	2,970	41	39	73	24
New Hampshire	1,645	1,641	0.3%	138	99	1,503	1,537	NM	NM	NM	NM
Rhode Island	610	750	-18.7%	1	NM	605	743	NM	NM	0	0
Vermont	621	444	40.0%	79	44	540	399	NM	NM	NM	NM
Middle Atlantic	35,823	36,332	-1.4%	2,928	3,138	32,402	32,683	158	147	336	364
New Jersey	5,527	6,008	-8.0%	-18	-13	5,442	5,911	47	49	56	61
New York	11,469	11,789	-2.7%	2,856	3,072	8,452	8,578	86	69	75	69
Pennsylvania	18,828	18,535	1.6%	90	79	18,508	18,193	25	29	205	234
East North Central	50,657	53,996	-6.2%	27,313	27,175	22,420	25,787	147	163	777	870
Illinois	16,571	17,280	-4.1%	1,005	1,154	15,329	15,855	27	36	209	235
Indiana	8,846	10,203	-13.3%	7,768	9,062	803	826	24	23	251	291
Michigan	8,661	9,722	-10.9%	7,252	7,224	1,245	2,342	71	71	93	85
Ohio	11,087	10,810	2.6%	7,222	5,955	3,785	4,761	NM	18	64	76
Wisconsin	5,493	5,981	-8.2%	4,066	3,780	1,258	2,004	NM	NM	160	182
West North Central	27,405	29,071	-5.7%	23,964	25,739	3,009	2,936	54	51	378	346
Iowa	4,709	4,846	-2.8%	3,573	3,714	929	942	22	18	185	173
Kansas	4,359	4,295	1.5%	3,616	3,919	739	374	0	0	NM	NM
Minnesota	3,566	4,492	-20.6%	2,814	3,675	602	672	12	NM	138	129
Missouri	8,222	8,569	-4.0%	8,002	8,169	195	381	19	15	NM	NM
Nebraska	3,037	2,929	3.7%	2,900	2,817	104	85	NM	NM	31	25
North Dakota	2,765	2,967	-6.8%	2,467	2,645	285	310	NM	NM	13	NM
South Dakota	746	972	-23.2%	591	800	155	171	NM	NM	0	0
South Atlantic	69,009	66,780	3.3%	56,458	54,178	10,937	11,054	83	70	1,531	1,477
Delaware	801	852	-6.1%	NM	NM	712	762	NM	NM	86	87
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	20,619	20,037	2.9%	18,700	18,031	1,467	1,575	NM	NM	444	424
Georgia	11,369	11,461	-0.8%	9,964	9,290	1,028	1,770	NM	2	374	400
Maryland	3,349	3,190	5.0%	NM	NM	3,301	3,119	NM	21	27	48
North Carolina	11,293	10,261	10.1%	9,930	9,580	1,147	535	NM	3	209	144
South Carolina	8,486	8,445	0.5%	8,150	8,235	192	81	NM	NM	143	128
Virginia	6,644	6,556	1.3%	5,821	5,273	631	1,073	41	37	151	173
West Virginia	6,442	5,970	7.9%	3,889	3,757	2,457	2,141	0	0	96	72
East South Central	32,863	34,008	-3.4%	28,307	27,998	3,640	5,264	NM	NM	903	732
Alabama	13,104	13,843	-5.3%	9,804	9,550	2,953	3,937	0	0	347	356
Kentucky	7,345	8,145	-9.8%	7,289	8,066	23	34	0	0	34	46
Mississippi	5,446	5,051	7.8%	4,539	3,627	655	1,289	NM	NM	250	133
Tennessee	6,968	6,968	0.0%	6,675	6,756	NM	4	NM	NM	272	197
West South Central	62,725	65,002	-3.5%	23,561	24,480	33,056	34,497	57	56	6,050	5,969
Arkansas	5,457	6,060	-9.9%	4,090	4,018	1,207	1,895	NM	NM	159	147
Louisiana	9,254	9,675	-4.3%	4,700	5,097	2,111	2,315	NM	NM	2,439	2,259
Oklahoma	6,868	7,865	-12.7%	4,793	5,529	1,998	2,263	NM	NM	73	69
Texas	41,145	41,403	-0.6%	9,977	9,836	27,739	28,024	49	49	3,379	3,494
Mountain	34,064	32,392	5.2%	26,803	25,887	6,970	6,230	25	28	265	247
Arizona	10,617	10,276	3.3%	8,463	8,331	2,148	1,916	NM	7	0	22
Colorado	4,663	4,789	-2.6%	3,544	3,756	1,110	1,024	NM	4	NM	5
Idaho	1,571	1,552	1.2%	1,211	1,237	317	275	0	0	43	41
Montana	2,494	2,115	17.9%	988	1,082	1,504	1,033	0	0	NM	NM
Nevada	3,537	3,085	14.7%	2,537	2,039	969	1,017	NM	10	21	19
New Mexico	3,238	3,335	-2.9%	2,704	2,797	520	527	NM	7	NM	5
Utah	3,564	3,392	5.1%	3,271	3,119	192	204	NM	NM	101	69
Wyoming	4,381	3,847	13.9%	4,084	3,527	210	235	0	0	88	85
Pacific Contiguous	32,697	32,404	0.9%	20,388	21,478	10,577	9,205	260	244	1,473	1,477
California	18,068	16,543	9.2%	7,436	6,900	9,056	8,053	255	237	1,321	1,353
Oregon	4,705	4,677	0.6%	3,671	3,944	994	694	NM	NM	37	34
Washington	9,924	11,184	-11.3%	9,282	10,634	527	458	NM	NM	115	90
Pacific Noncontiguous	1,267	1,364	-7.1%	850	958	364	336	26	25	27	45
Alaska	467	523	-10.8%	432	491	19	16	10	9	6	NM
Hawaii	800	841	-4.8%	419	467	345	320	17	16	NM	38
U.S. Total	356,400	361,506	-1.4%	210,854	211,229	132,443	137,397	903	880	12,199	12,000

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.6.B. Net Generation
by State, by Sector, Year-to-Date through June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	55,513	58,366	-4.9%	2,239	1,624	50,143	53,566	479	487	2,652	2,689
Connecticut	17,184	17,186	0.0%	NM	NM	16,921	16,898	96	105	124	135
Maine	6,974	7,295	-4.4%	NM	NM	4,767	4,781	100	98	2,107	2,415
Massachusetts	15,533	16,325	-4.8%	328	263	14,566	15,703	247	248	393	111
New Hampshire	9,640	10,164	-5.2%	1,395	974	8,220	9,168	NM	7	NM	NM
Rhode Island	2,857	4,072	-29.8%	4	5	2,828	4,040	NM	27	0	0
Vermont	3,325	3,324	0.0%	468	333	2,842	2,977	NM	NM	NM	NM
Middle Atlantic	211,870	206,855	2.4%	16,813	18,497	192,061	185,290	917	842	2,079	2,225
New Jersey	30,712	31,766	-3.3%	-66	-29	30,206	31,179	252	279	320	337
New York	66,094	65,784	0.5%	16,176	17,834	48,933	47,059	515	409	470	482
Pennsylvania	115,064	109,305	5.3%	703	692	112,922	107,052	149	154	1,290	1,406
East North Central	300,884	300,156	0.2%	155,799	146,326	139,444	147,790	884	975	4,757	5,066
Illinois	99,163	96,732	2.5%	5,864	6,247	91,791	88,893	217	235	1,291	1,358
Indiana	53,010	55,802	-5.0%	45,941	47,996	5,505	6,083	111	107	1,453	1,616
Michigan	49,967	54,152	-7.7%	39,372	38,998	9,616	14,124	410	453	569	577
Ohio	66,453	63,092	5.3%	42,379	34,604	23,547	27,921	90	94	437	472
Wisconsin	32,291	30,378	6.3%	22,243	18,480	8,985	10,769	56	86	1,008	1,043
West North Central	160,976	156,468	2.9%	138,454	135,966	20,150	18,199	292	307	2,081	1,997
Iowa	28,384	27,705	2.5%	20,848	20,310	6,404	6,326	114	99	1,018	969
Kansas	22,908	19,410	18.0%	18,520	17,506	4,372	1,891	0	0	16	NM
Minnesota	24,735	24,979	-1.0%	19,722	19,756	4,164	4,356	94	114	754	752
Missouri	45,178	43,989	2.7%	43,730	42,328	1,344	1,556	75	85	29	20
Nebraska	17,590	16,638	5.7%	16,630	15,915	772	555	NM	NM	180	159
North Dakota	17,460	18,128	-3.7%	15,378	15,755	1,998	2,288	NM	NM	83	85
South Dakota	4,720	5,621	-16.0%	3,626	4,394	1,094	1,226	NM	NM	0	0
South Atlantic	361,585	356,723	1.4%	296,262	289,179	55,617	58,245	476	402	9,230	8,897
Delaware	3,617	4,229	-14.5%	NM	NM	3,136	3,874	NM	NM	468	340
District of Columbia	NM	NM	NM	0	NM	0	9	NM	0	0	0
Florida	104,077	106,790	-2.5%	94,644	95,439	6,764	8,712	NM	40	2,629	2,599
Georgia	57,055	58,978	-3.3%	49,992	48,344	4,692	8,251	16	14	2,355	2,369
Maryland	16,485	16,708	-1.3%	NM	5	16,203	16,233	111	124	165	345
North Carolina	59,119	56,007	5.6%	51,813	52,069	5,984	3,102	51	20	1,271	817
South Carolina	48,336	46,972	2.9%	47,003	45,077	461	929	NM	NM	869	965
Virginia	36,635	33,697	8.7%	30,577	26,531	4,931	6,090	220	200	906	876
West Virginia	36,229	33,292	8.8%	22,217	21,661	13,446	11,045	0	0	566	586
East South Central	184,503	179,160	3.0%	159,862	147,981	19,121	26,602	76	78	5,443	4,498
Alabama	72,997	73,178	-0.2%	55,372	50,091	15,532	20,861	0	0	2,093	2,225
Kentucky	44,712	43,447	2.9%	44,358	43,081	135	138	0	0	220	228
Mississippi	25,668	26,070	-1.5%	20,811	19,599	3,409	5,565	NM	NM	1,437	894
Tennessee	41,125	36,466	12.8%	39,322	35,210	46	38	65	66	1,694	1,152
West South Central	314,961	329,502	-4.4%	111,139	121,390	167,543	172,864	302	307	35,977	34,941
Arkansas	29,310	33,660	-12.9%	20,459	23,064	7,861	9,632	NM	NM	988	962
Louisiana	46,739	50,363	-7.2%	22,680	25,643	10,681	11,412	NM	NM	13,356	13,284
Oklahoma	34,756	38,998	-10.9%	25,151	28,072	9,224	10,536	NM	NM	361	372
Texas	204,156	206,481	-1.1%	42,849	44,612	139,777	141,284	258	262	21,272	20,323
Mountain	181,701	174,542	4.1%	143,085	138,125	36,968	34,772	132	138	1,517	1,507
Arizona	51,052	53,101	-3.9%	44,579	45,299	6,423	7,653	34	37	NM	111
Colorado	26,359	25,859	1.9%	20,186	20,122	6,130	5,693	13	13	31	32
Idaho	8,411	8,565	-1.8%	5,699	6,176	2,453	2,133	0	0	259	257
Montana	15,201	12,851	18.3%	3,936	4,305	11,260	8,543	0	0	NM	NM
Nevada	17,366	15,301	13.5%	12,032	10,293	5,153	4,832	46	48	135	127
New Mexico	17,823	17,290	3.1%	14,702	14,027	3,045	3,188	38	40	38	35
Utah	20,147	18,196	10.7%	18,867	16,883	860	989	NM	NM	419	323
Wyoming	25,342	23,379	8.4%	23,084	21,019	1,644	1,741	0	0	614	618
Pacific Contiguous	180,512	184,727	-2.3%	111,791	119,021	58,860	55,657	1,445	1,435	8,416	8,615
California	92,692	93,778	-1.2%	37,073	38,275	46,745	46,363	1,408	1,390	7,466	7,750
Oregon	31,108	31,402	-0.9%	23,312	25,008	7,492	6,151	34	37	270	206
Washington	56,711	59,547	-4.8%	51,405	55,738	4,623	3,143	NM	NM	680	658
Pacific Noncontiguous	7,890	8,586	-8.1%	5,603	6,211	1,855	1,843	238	274	194	257
Alaska	3,170	3,607	-12.1%	2,909	3,315	133	100	77	133	52	60
Hawaii	4,720	4,979	-5.2%	2,695	2,896	1,722	1,743	161	142	143	198
U.S. Total	1,960,395	1,955,086	0.3%	1,141,047	1,124,321	741,762	754,828	5,240	5,244	72,346	70,693

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	283	141	100.6%	66	26	212	111	0	0	5	NM
Connecticut	24	15	57.9%	0	0	24	15	0	0	0	0
Maine	4	3	3.7%	0	0	1	2	0	0	2	1
Massachusetts	190	96	97.5%	0	0	187	94	0	0	NM	NM
New Hampshire	66	26	148.4%	66	26	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	8,601	7,994	7.6%	NM	NM	8,528	7,891	NM	NM	71	101
New Jersey	175	153	14.0%	0	0	175	153	0	0	0	0
New York	306	257	19.0%	NM	NM	279	232	0	0	26	24
Pennsylvania	8,120	7,584	7.1%	0	0	8,075	7,506	NM	NM	45	77
East North Central	30,927	29,884	3.5%	22,966	21,211	7,693	8,392	32	34	235	247
Illinois	7,086	6,861	3.3%	934	939	6,022	5,781	NM	NM	127	141
Indiana	7,619	8,125	-6.2%	7,186	7,718	413	389	16	14	NM	NM
Michigan	4,892	4,449	10.0%	4,835	4,392	30	29	11	18	17	11
Ohio	7,764	7,594	2.2%	6,517	5,379	1,229	2,194	NM	NM	17	20
Wisconsin	3,566	2,855	24.9%	3,493	2,783	0	0	NM	NM	70	70
West North Central	18,292	18,287	0.0%	17,968	18,000	0	0	31	21	293	267
Iowa	3,005	2,964	1.4%	2,804	2,782	0	0	18	13	183	170
Kansas	2,400	2,578	-6.9%	2,400	2,578	0	0	0	0	0	0
Minnesota	1,711	1,657	3.2%	1,641	1,592	0	0	NM	NM	68	64
Missouri	6,540	6,639	-1.5%	6,523	6,629	0	0	11	7	NM	NM
Nebraska	2,200	1,970	11.7%	2,170	1,947	0	0	0	0	29	23
North Dakota	2,192	2,319	-5.5%	2,184	2,312	0	0	0	0	NM	NM
South Dakota	246	160	54.1%	246	160	0	0	0	0	0	0
South Atlantic	25,781	23,754	8.5%	21,048	19,771	4,539	3,785	NM	NM	192	194
Delaware	176	155	13.7%	0	0	176	155	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,447	4,085	8.9%	4,239	3,902	187	162	0	0	NM	21
Georgia	4,428	3,830	15.6%	4,392	3,791	0	0	0	0	36	39
Maryland	1,595	1,231	29.6%	0	0	1,586	1,217	0	0	10	14
North Carolina	4,635	4,703	-1.5%	4,439	4,515	174	165	0	1	22	22
South Carolina	2,194	2,490	-11.9%	2,180	2,479	0	0	0	0	14	11
Virginia	2,123	1,489	42.6%	1,966	1,367	106	69	NM	NM	50	52
West Virginia	6,182	5,770	7.1%	3,832	3,717	2,311	2,017	0	0	39	36
East South Central	15,378	15,726	-2.2%	15,054	15,460	196	141	NM	NM	125	123
Alabama	4,317	4,482	-3.7%	4,299	4,459	0	6	0	0	18	16
Kentucky	6,842	7,547	-9.4%	6,842	7,547	0	0	0	0	0	0
Mississippi	1,058	589	79.6%	862	454	196	135	0	0	0	0
Tennessee	3,162	3,108	1.7%	3,052	2,999	0	0	NM	NM	107	107
West South Central	21,669	20,267	6.9%	11,548	11,186	10,075	9,038	0	0	45	43
Arkansas	2,865	2,646	8.3%	2,667	2,252	192	387	0	0	7	7
Louisiana	1,994	1,898	5.1%	938	963	1,056	935	0	0	0	0
Oklahoma	2,408	2,772	-13.2%	2,217	2,587	153	150	0	0	39	35
Texas	14,401	12,951	11.2%	5,727	5,384	8,675	7,566	0	0	0	NM
Mountain	17,152	15,195	12.9%	15,830	14,393	1,205	691	0	0	117	111
Arizona	3,799	3,388	12.1%	3,799	3,367	0	0	0	0	0	21
Colorado	2,762	3,000	-7.9%	2,749	2,988	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	996	541	84.1%	NM	NM	971	519	0	0	NM	NM
Nevada	568	126	352.4%	445	59	123	67	0	0	0	0
New Mexico	2,134	2,243	-4.9%	2,134	2,243	0	0	0	0	0	0
Utah	2,947	2,563	15.0%	2,834	2,477	NM	NM	0	0	75	50
Wyoming	3,938	3,328	18.4%	3,843	3,238	NM	NM	0	0	35	34
Pacific Contiguous	615	148	315.7%	345	0	236	112	0	0	34	36
California	160	147	8.8%	0	0	128	112	0	0	32	35
Oregon	345	0	--	345	0	0	0	0	0	0	0
Washington	109	1	NM	0	0	107	0	0	0	2	1
Pacific Noncontiguous	174	173	0.5%	18	18	143	143	9	9	NM	NM
Alaska	43	43	1.5%	18	18	16	16	9	9	0	0
Hawaii	130	130	0.1%	0	0	127	127	0	0	NM	NM
U.S. Total	138,872	131,569	5.6%	104,846	100,067	32,826	30,303	78	68	1,122	1,130

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	3,420	1,367	150.2%	960	587	2,426	758	0	0	33	21
Connecticut	326	39	733.0%	0	0	326	39	0	0	0	0
Maine	37	19	99.6%	0	0	21	13	0	0	16	6
Massachusetts	2,096	722	190.3%	0	0	2,079	706	0	0	17	16
New Hampshire	960	587	63.7%	960	587	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	51,399	43,052	19.4%	NM	NM	50,874	42,425	NM	NM	512	624
New Jersey	1,045	644	62.3%	0	0	1,045	644	0	0	0	0
New York	2,871	1,458	97.0%	NM	NM	2,710	1,297	0	0	150	158
Pennsylvania	47,483	40,950	16.0%	0	0	47,119	40,484	NM	NM	361	465
East North Central	179,486	161,587	11.1%	131,029	114,571	46,788	45,334	178	167	1,491	1,515
Illinois	41,864	37,914	10.4%	5,518	5,357	35,511	31,677	33	22	802	858
Indiana	44,500	43,600	2.1%	41,877	40,484	2,534	3,033	66	60	23	23
Michigan	26,900	24,267	10.9%	26,544	23,945	175	165	66	77	115	80
Ohio	47,116	41,978	12.2%	38,421	31,391	8,568	10,459	NM	NM	124	128
Wisconsin	19,106	13,828	38.2%	18,670	13,394	0	0	11	7	426	427
West North Central	106,296	99,290	7.1%	104,521	97,632	0	0	146	106	1,628	1,552
Iowa	16,316	16,167	0.9%	15,221	15,138	0	0	91	73	1,004	956
Kansas	14,267	12,467	14.4%	14,267	12,467	0	0	0	0	0	0
Minnesota	10,908	10,003	9.1%	10,512	9,603	0	0	NM	NM	390	396
Missouri	37,417	34,239	9.3%	37,341	34,192	0	0	49	30	27	17
Nebraska	12,447	11,450	8.7%	12,284	11,310	0	0	0	0	163	139
North Dakota	13,477	13,760	-2.1%	13,433	13,716	0	0	0	0	44	44
South Dakota	1,464	1,205	21.4%	1,464	1,205	0	0	0	0	0	0
South Atlantic	125,884	122,730	2.6%	102,961	103,075	21,881	18,497	27	21	1,015	1,136
Delaware	676	513	31.7%	0	0	676	513	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	21,616	20,612	4.9%	20,900	19,749	611	752	0	0	104	111
Georgia	17,943	19,799	-9.4%	17,705	19,534	0	0	0	0	238	265
Maryland	7,091	6,017	17.8%	0	0	7,016	5,936	0	0	74	81
North Carolina	22,474	23,855	-5.8%	21,580	22,911	767	821	19	12	108	112
South Carolina	11,779	13,902	-15.3%	11,710	13,786	0	30	0	0	70	86
Virginia	10,027	6,537	53.4%	9,173	5,734	592	501	NM	NM	255	293
West Virginia	34,278	31,495	8.8%	21,893	21,363	12,218	9,943	0	0	167	189
East South Central	85,237	76,401	11.6%	83,201	74,425	1,243	1,225	12	9	781	742
Alabama	22,385	19,030	17.6%	22,284	18,919	0	18	0	0	101	93
Kentucky	41,228	39,481	4.4%	41,228	39,481	0	0	0	0	0	0
Mississippi	4,002	3,314	20.8%	2,759	2,107	1,243	1,207	0	0	0	0
Tennessee	17,622	14,577	20.9%	16,930	13,919	0	0	12	9	680	649
West South Central	108,368	98,346	10.2%	58,875	55,938	49,287	42,179	0	0	207	230
Arkansas	15,219	14,409	5.6%	13,302	12,095	1,863	2,266	0	0	54	48
Louisiana	10,422	9,039	15.3%	4,477	4,400	5,941	4,632	0	0	NM	NM
Oklahoma	13,640	13,887	-1.8%	12,732	13,074	760	640	0	0	148	172
Texas	69,088	61,011	13.2%	28,364	26,369	40,724	34,640	0	0	0	NM
Mountain	99,365	87,070	14.1%	89,440	80,008	9,420	6,578	0	0	505	484
Arizona	21,028	18,974	10.8%	21,015	18,871	0	0	0	0	NM	104
Colorado	16,755	16,205	3.4%	16,701	16,145	54	60	0	0	0	0
Idaho	39	37	6.1%	0	0	0	0	0	0	39	37
Montana	8,287	5,680	45.9%	145	130	8,137	5,547	0	0	NM	NM
Nevada	2,529	1,011	150.2%	1,867	571	662	439	0	0	0	0
New Mexico	12,175	11,587	5.1%	12,175	11,587	0	0	0	0	0	0
Utah	16,360	13,593	20.4%	15,906	13,279	211	189	0	0	243	125
Wyoming	22,192	19,984	11.1%	21,631	19,425	355	344	0	0	206	215
Pacific Contiguous	4,196	2,019	107.8%	1,769	797	2,230	1,026	0	0	196	196
California	608	802	-24.2%	0	0	425	624	0	0	183	179
Oregon	1,769	797	122.1%	1,769	797	0	0	0	0	0	0
Washington	1,818	420	332.9%	0	0	1,805	402	0	0	13	18
Pacific Noncontiguous	872	1,083	-19.5%	86	110	699	828	73	129	NM	NM
Alaska	254	339	-25.1%	86	110	94	100	73	129	0	0
Hawaii	619	745	-16.9%	0	0	605	728	0	0	NM	NM
U.S. Total	764,524	692,947	10.3%	572,853	527,146	184,848	158,851	440	434	6,382	6,516

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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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	28	88	-68.5%	6	3	15	75	NM	8	2	NM
Connecticut	6	33	-83.0%	0	NM	5	32	NM	0	NM	NM
Maine	4	12	-67.6%	NM	NM	3	10	NM	NM	NM	2
Massachusetts	13	39	-65.6%	3	1	7	33	NM	5	1	NM
New Hampshire	4	NM	NM	2	1	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	1	NM	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	91	106	-14.1%	35	52	50	47	1	NM	6	6
New Jersey	2	3	-27.2%	NM	NM	2	2	NM	NM	NM	NM
New York	73	80	-7.7%	34	52	33	22	NM	NM	5	5
Pennsylvania	16	24	-33.6%	NM	NM	15	23	0	NM	NM	NM
East North Central	64	46	38.1%	55	37	7	7	NM	NM	2	1
Illinois	7	5	24.9%	2	2	4	4	NM	NM	NM	NM
Indiana	14	12	20.2%	13	11	NM	NM	NM	NM	1	NM
Michigan	19	13	46.1%	19	13	0	0	NM	NM	0	0
Ohio	23	13	74.5%	20	9	3	4	NM	NM	0	1
Wisconsin	2	3	-50.3%	2	3	0	0	NM	NM	NM	NM
West North Central	26	34	-24.3%	25	33	NM	NM	NM	NM	NM	NM
Iowa	7	14	-53.4%	7	14	NM	NM	NM	NM	NM	NM
Kansas	6	3	84.0%	6	3	0	0	0	0	0	0
Minnesota	2	4	-34.6%	2	3	0	NM	NM	NM	NM	NM
Missouri	6	8	-29.6%	6	8	0	0	NM	NM	0	0
Nebraska	1	1	3.5%	1	1	0	0	0	0	0	0
North Dakota	3	3	8.8%	3	3	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	128	264	-51.6%	97	227	20	28	NM	NM	10	9
Delaware	5	4	27.9%	NM	NM	5	4	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	33	142	-76.9%	31	138	NM	2	0	0	NM	NM
Georgia	11	9	25.1%	6	7	NM	NM	NM	NM	6	NM
Maryland	6	17	-67.0%	NM	NM	5	16	NM	NM	0	0
North Carolina	12	14	-15.2%	11	12	NM	NM	NM	NM	NM	NM
South Carolina	7	11	-37.5%	6	11	0	0	NM	NM	1	0
Virginia	38	53	-29.7%	26	46	10	6	NM	0	2	NM
West Virginia	17	14	18.0%	17	14	0	0	0	0	0	0
East South Central	32	43	-26.3%	29	38	NM	NM	0	0	3	NM
Alabama	8	14	-43.3%	5	10	NM	NM	0	0	3	NM
Kentucky	11	13	-13.9%	11	13	0	0	0	0	0	0
Mississippi	2	2	-8.2%	1	1	0	0	0	0	0	1
Tennessee	11	15	-23.6%	11	14	0	0	0	0	NM	NM
West South Central	15	21	-31.2%	6	5	7	16	NM	NM	NM	NM
Arkansas	4	1	210.7%	1	1	3	0	0	0	NM	NM
Louisiana	3	3	-11.4%	1	1	1	2	0	0	1	0
Oklahoma	2	1	44.8%	2	1	0	0	NM	NM	0	0
Texas	6	16	-60.6%	2	2	4	14	NM	NM	NM	NM
Mountain	19	24	-23.0%	15	20	4	4	NM	NM	NM	NM
Arizona	3	3	-7.9%	3	3	0	0	NM	NM	0	NM
Colorado	1	NM	NM	1	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	3	2	33.1%	NM	NM	3	2	0	0	0	0
Nevada	2	1	29.3%	2	1	0	1	0	0	0	0
New Mexico	4	3	7.6%	4	3	NM	NM	0	0	0	0
Utah	3	4	-18.4%	3	4	0	NM	0	0	0	0
Wyoming	4	9	-59.9%	4	9	0	0	0	0	NM	NM
Pacific Contiguous	7	7	-3.8%	3	4	2	2	NM	NM	NM	NM
California	3	5	-48.0%	2	3	NM	2	NM	NM	NM	NM
Oregon	1	NM	NM	1	0	0	0	NM	NM	0	0
Washington	4	NM	NM	NM	NM	2	NM	NM	NM	NM	NM
Pacific Noncontiguous	602	682	-11.7%	463	525	134	135	NM	NM	4	22
Alaska	50	70	-29.1%	47	67	0	0	NM	NM	3	3
Hawaii	552	612	-9.7%	416	458	134	135	0	0	NM	18
U.S. Total	1,011	1,317	-23.2%	735	945	240	314	6	10	30	48

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	534	221	142.2%	89	29	391	141	32	23	23	27
Connecticut	161	50	221.9%	2	2	157	46	NM	0	NM	NM
Maine	140	59	136.5%	NM	NM	127	32	NM	NM	11	26
Massachusetts	162	85	91.2%	43	9	90	62	19	14	10	NM
New Hampshire	47	18	155.1%	37	11	NM	NM	NM	7	NM	NM
Rhode Island	22	6	238.3%	4	5	17	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	696	291	138.9%	228	83	415	163	NM	6	45	39
New Jersey	66	7	871.7%	NM	NM	65	5	NM	NM	NM	NM
New York	490	187	161.2%	228	82	213	64	NM	5	41	36
Pennsylvania	140	97	44.2%	NM	NM	137	94	1	0	NM	NM
East North Central	316	295	7.0%	258	246	49	40	NM	NM	8	8
Illinois	39	33	17.3%	13	11	26	22	NM	0	NM	NM
Indiana	73	61	20.5%	68	55	NM	NM	NM	NM	5	5
Michigan	81	79	2.3%	79	77	0	0	NM	1	1	1
Ohio	108	110	-2.2%	85	92	22	17	NM	NM	1	1
Wisconsin	15	12	25.3%	14	11	1	1	NM	NM	NM	NM
West North Central	147	163	-10.1%	143	156	1	5	NM	NM	NM	NM
Iowa	39	51	-24.7%	38	51	NM	0	NM	NM	NM	NM
Kansas	31	18	77.5%	31	18	0	0	0	0	0	0
Minnesota	1	15	-90.9%	0	10	0	4	NM	NM	NM	NM
Missouri	40	42	-3.5%	40	42	0	0	NM	NM	0	0
Nebraska	14	14	-2.0%	14	14	0	0	0	0	0	0
North Dakota	17	19	-14.4%	16	18	0	0	NM	NM	NM	NM
South Dakota	5	4	15.1%	5	4	NM	NM	NM	NM	0	0
South Atlantic	755	879	-14.1%	582	694	110	121	NM	NM	61	62
Delaware	17	11	56.1%	NM	NM	17	11	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	274	355	-22.7%	262	335	NM	9	0	0	9	10
Georgia	35	57	-39.5%	8	35	NM	NM	1	1	26	20
Maryland	66	60	8.5%	3	4	62	50	NM	NM	0	6
North Carolina	114	113	1.0%	102	104	6	NM	NM	NM	NM	7
South Carolina	48	63	-22.6%	44	58	0	0	NM	NM	4	5
Virginia	137	139	-1.4%	99	85	22	40	0	0	16	13
West Virginia	64	72	-10.8%	63	72	1	0	0	0	0	0
East South Central	184	198	-7.4%	164	182	0	1	0	0	19	16
Alabama	50	52	-3.6%	34	38	0	1	0	0	15	13
Kentucky	62	61	0.8%	62	61	0	0	0	0	0	0
Mississippi	8	9	-6.4%	6	7	0	0	0	0	2	2
Tennessee	64	76	-16.8%	62	76	0	0	0	0	NM	NM
West South Central	102	92	11.2%	32	36	58	48	NM	NM	11	7
Arkansas	19	17	13.3%	8	10	11	6	0	0	NM	NM
Louisiana	29	19	51.6%	7	6	12	8	0	0	10	5
Oklahoma	5	7	-31.0%	5	7	0	0	NM	NM	0	0
Texas	49	49	1.0%	13	13	35	34	NM	NM	NM	NM
Mountain	113	118	-4.3%	103	106	9	10	NM	NM	NM	NM
Arizona	22	24	-6.3%	22	23	0	0	NM	NM	NM	NM
Colorado	6	10	-36.7%	6	10	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	7	7	5.2%	NM	NM	7	6	0	0	0	0
Nevada	8	8	1.0%	7	6	2	3	0	0	0	0
New Mexico	26	23	12.4%	25	22	NM	NM	0	0	0	0
Utah	22	21	6.6%	22	21	NM	NM	0	0	0	0
Wyoming	21	25	-18.5%	21	25	0	0	0	0	NM	NM
Pacific Contiguous	42	41	1.9%	20	21	8	11	NM	NM	13	NM
California	24	26	-9.5%	15	16	3	9	0	NM	5	NM
Oregon	4	1	150.7%	4	1	0	0	NM	NM	0	0
Washington	14	13	7.4%	NM	3	5	2	NM	NM	8	NM
Pacific Noncontiguous	3,813	4,137	-7.8%	3,028	3,349	728	680	2	NM	55	106
Alaska	372	497	-25.1%	354	474	0	0	NM	NM	18	22
Hawaii	3,440	3,640	-5.5%	2,674	2,875	728	680	1	1	37	84
U.S. Total	6,701	6,435	4.1%	4,648	4,902	1,770	1,220	47	36	237	277

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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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 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	246	266	-7.4%	111	158	104	85	0	0	31	23
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	98	153	-35.8%	98	153	0	0	0	0	0	0
Michigan	NM	NM	NM	0	0	7	6	0	0	NM	NM
Ohio	98	78	25.4%	0	0	97	78	0	0	NM	0
Wisconsin	34	25	33.7%	13	5	0	0	0	0	21	20
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	319	34	830.4%	308	9	0	0	0	0	11	26
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	308	9	NM	308	9	0	0	0	0	0	0
Georgia	11	26	-57.5%	0	0	0	0	0	0	11	26
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	118	145	-18.3%	118	145	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	118	145	-18.3%	118	145	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	547	272	101.2%	428	162	11	7	0	0	108	103
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	458	178	157.6%	428	162	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	89	94	-5.3%	0	0	11	7	0	0	78	87
Mountain	20	11	80.2%	0	0	20	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	20	11	80.2%	0	0	20	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	1,271	739	72.0%	966	473	143	110	0	0	163	157

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 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	52	NM	NM	0	0	5	0	0	0	NM	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	1,459	1,171	24.5%	729	558	582	482	0	0	148	132
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	712	526	35.4%	712	526	0	0	0	0	0	0
Michigan	81	63	27.9%	0	0	39	36	0	0	NM	NM
Ohio	545	447	21.8%	0	0	542	445	0	0	NM	NM
Wisconsin	121	135	-10.4%	16	32	0	0	0	0	104	103
West North Central	2	14	-85.6%	0	12	0	0	2	2	0	0
Iowa	2	14	-84.3%	0	12	0	0	2	2	0	0
Kansas	0	0	191.4%	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	1,046	533	96.3%	924	361	0	0	0	0	122	172
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	924	361	156.1%	924	361	0	0	0	0	0	0
Georgia	122	172	-29.0%	0	0	0	0	0	0	122	172
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	661	619	6.9%	661	619	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	661	619	6.9%	661	619	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	2,864	2,037	40.6%	2,264	1,353	11	7	0	0	589	677
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,404	1,460	64.7%	2,264	1,353	0	0	0	0	141	107
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	459	577	-20.4%	0	0	11	7	0	0	448	570
Mountain	216	215	0.4%	0	0	216	215	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	216	215	0.4%	0	0	216	215	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	228	NM	0	0	NM	228	0	0	0	0
California	NM	228	NM	0	0	NM	228	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	6,334	4,844	30.8%	4,578	2,902	848	932	2	2	906	1,007

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	4,510	5,434	-17.0%	23	36	4,224	5,112	57	56	206	230
Connecticut	1,221	1,356	-10.0%	0	NM	1,184	1,308	NM	18	NM	27
Maine	416	469	-11.3%	0	0	248	289	NM	NM	168	180
Massachusetts	1,868	2,246	-16.8%	23	25	1,794	2,169	37	32	NM	21
New Hampshire	407	625	-34.9%	0	8	405	615	0	0	NM	NM
Rhode Island	597	737	-19.0%	0	0	593	732	NM	NM	0	0
Vermont	0	0	22.6%	0	0	0	0	0	0	0	0
Middle Atlantic	11,138	13,084	-14.9%	1,272	1,434	9,692	11,450	62	69	112	131
New Jersey	2,397	2,718	-11.8%	0	0	2,349	2,662	NM	NM	35	45
New York	4,869	5,801	-16.1%	1,272	1,433	3,536	4,297	43	49	18	22
Pennsylvania	3,871	4,565	-15.2%	NM	NM	3,807	4,491	NM	NM	58	65
East North Central	4,503	8,706	-48.3%	1,676	3,151	2,656	5,328	74	96	96	132
Illinois	457	1,474	-69.0%	63	209	336	1,185	24	35	34	44
Indiana	650	1,406	-53.8%	400	1,105	205	253	NM	NM	41	43
Michigan	991	2,476	-60.0%	253	593	704	1,841	26	NM	NM	NM
Ohio	1,775	1,954	-9.2%	634	533	1,122	1,397	NM	18	NM	NM
Wisconsin	630	1,396	-54.9%	327	710	290	652	NM	NM	NM	NM
West North Central	1,210	2,655	-54.4%	1,009	2,215	170	405	15	NM	16	NM
Iowa	88	281	-68.9%	86	278	NM	NM	NM	NM	NM	NM
Kansas	287	385	-25.5%	282	383	0	0	0	0	NM	NM
Minnesota	361	865	-58.2%	279	718	68	129	NM	NM	8	NM
Missouri	422	923	-54.2%	313	638	101	276	8	8	NM	NM
Nebraska	42	158	-73.7%	40	155	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	22,497	24,164	-6.9%	17,966	18,708	4,203	5,130	NM	19	304	307
Delaware	599	648	-7.6%	NM	NM	519	589	0	0	78	56
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	12,670	13,509	-6.2%	11,575	12,291	974	1,086	NM	NM	117	128
Georgia	3,689	4,286	-13.9%	2,634	2,466	984	1,756	0	0	71	64
Maryland	259	453	-42.8%	0	0	239	420	NM	15	NM	17
North Carolina	2,395	1,693	41.5%	1,537	1,413	847	271	0	0	NM	NM
South Carolina	1,228	1,166	5.4%	1,038	1,085	185	76	NM	NM	5	4
Virginia	1,629	2,383	-31.6%	1,180	1,442	434	913	0	0	15	28
West Virginia	22	20	10.9%	1	1	21	19	0	0	NM	NM
East South Central	7,708	10,501	-26.6%	4,072	5,261	3,417	5,100	NM	NM	208	127
Alabama	4,047	5,257	-23.0%	1,041	1,271	2,936	3,913	0	0	70	74
Kentucky	95	296	-67.9%	56	244	22	33	0	0	NM	19
Mississippi	3,273	4,087	-19.9%	2,693	2,901	459	1,154	NM	NM	119	30
Tennessee	293	861	-66.0%	282	846	0	0	NM	NM	NM	4
West South Central	28,422	33,728	-15.7%	8,508	10,186	14,701	18,337	54	53	5,159	5,152
Arkansas	1,367	1,846	-26.0%	349	333	1,003	1,498	NM	NM	15	15
Louisiana	4,813	5,996	-19.7%	1,918	2,705	854	1,316	NM	NM	2,038	1,971
Oklahoma	3,117	4,351	-28.4%	2,116	2,766	988	1,573	NM	NM	NM	NM
Texas	19,125	21,535	-11.2%	4,126	4,382	11,855	13,950	46	46	3,097	3,158
Mountain	8,066	8,216	-1.8%	4,632	4,851	3,341	3,274	17	18	76	73
Arizona	3,118	3,260	-4.4%	1,162	1,467	1,952	1,787	NM	6	0	NM
Colorado	1,089	1,052	3.6%	624	594	464	456	0	1	NM	NM
Idaho	214	46	362.8%	170	39	42	NM	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	2,353	2,387	-1.4%	1,815	1,701	512	662	NM	5	21	19
New Mexico	854	833	2.6%	543	527	299	295	NM	7	NM	5
Utah	395	575	-31.2%	309	499	70	62	NM	NM	16	13
Wyoming	34	43	-20.8%	NM	NM	NM	NM	0	0	31	33
Pacific Contiguous	10,600	9,243	14.7%	3,441	2,827	5,913	5,171	154	149	1,093	1,096
California	9,516	8,956	6.3%	2,815	2,746	5,467	4,979	151	144	1,083	1,087
Oregon	511	163	213.3%	114	6	390	149	NM	NM	NM	NM
Washington	573	124	363.2%	512	76	56	42	NM	NM	5	4
Pacific Noncontiguous	258	283	-8.9%	254	280	0	0	NM	NM	NM	NM
Alaska	258	283	-8.9%	254	280	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	98,912	116,015	-14.7%	42,855	48,949	48,317	59,307	467	493	7,272	7,266

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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.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	23,947	28,438	-15.8%	105	114	22,273	26,678	335	355	1,233	1,290
Connecticut	7,618	6,920	10.1%	NM	NM	7,387	6,661	96	105	122	133
Maine	2,429	2,856	-14.9%	0	0	1,413	1,804	NM	NM	1,016	1,052
Massachusetts	9,519	11,067	-14.0%	80	81	9,140	10,671	215	223	84	92
New Hampshire	1,611	3,597	-55.2%	10	11	1,589	3,572	0	0	NM	NM
Rhode Island	2,768	3,997	-30.8%	0	0	2,744	3,971	NM	26	0	0
Vermont	2	1	16.9%	2	1	0	0	0	0	0	0
Middle Atlantic	60,180	66,488	-9.5%	6,152	6,259	52,956	59,096	399	387	672	746
New Jersey	11,916	13,151	-9.4%	0	0	11,624	12,831	72	64	220	256
New York	25,008	27,178	-8.0%	6,150	6,256	18,445	20,507	296	289	117	126
Pennsylvania	23,256	26,160	-11.1%	NM	NM	22,887	25,758	NM	34	336	364
East North Central	28,099	44,944	-37.5%	9,946	16,216	16,991	27,358	519	607	642	763
Illinois	3,191	5,834	-45.3%	300	848	2,509	4,555	183	212	200	219
Indiana	4,149	8,002	-48.1%	2,873	6,523	1,001	1,173	NM	27	250	280
Michigan	6,444	13,037	-50.6%	1,128	2,529	5,034	10,175	194	210	88	123
Ohio	10,402	11,633	-10.6%	3,621	2,929	6,665	8,574	85	93	NM	37
Wisconsin	3,912	6,437	-39.2%	2,025	3,388	1,782	2,882	32	64	73	104
West North Central	6,905	8,931	-22.7%	5,687	7,414	1,015	1,277	90	144	113	96
Iowa	473	650	-27.3%	459	637	NM	NM	NM	NM	NM	NM
Kansas	1,045	1,471	-29.0%	1,029	1,459	0	0	0	0	16	NM
Minnesota	2,909	3,486	-16.5%	2,447	2,918	346	445	58	80	58	43
Missouri	2,262	2,921	-22.6%	1,566	2,033	669	832	26	55	NM	NM
Nebraska	112	290	-61.3%	94	268	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	92	99	-7.4%	92	99	0	0	0	0	0	0
South Atlantic	119,351	126,358	-5.5%	96,248	97,128	21,153	27,593	141	116	1,808	1,520
Delaware	2,820	3,505	-19.5%	NM	NM	2,386	3,277	0	0	425	216
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	65,512	72,678	-9.9%	60,471	65,920	4,297	6,005	NM	NM	723	733
Georgia	20,307	19,638	3.4%	15,346	11,137	4,526	8,169	0	0	435	332
Maryland	1,125	2,595	-56.6%	0	0	1,010	2,425	84	92	NM	78
North Carolina	13,239	9,319	42.1%	8,646	7,584	4,525	1,683	1	2	66	49
South Carolina	5,928	6,455	-8.2%	5,473	5,560	421	867	NM	NM	32	26
Virginia	10,261	12,021	-14.6%	6,285	6,870	3,884	5,070	0	0	92	81
West Virginia	125	107	17.4%	18	6	104	97	0	0	NM	NM
East South Central	41,214	53,846	-23.5%	22,084	27,765	17,730	25,235	64	69	1,336	778
Alabama	22,612	28,257	-20.0%	6,687	7,049	15,434	20,744	0	0	490	464
Kentucky	800	1,797	-55.5%	568	1,551	130	134	0	0	102	112
Mississippi	15,528	20,353	-23.7%	12,629	15,805	2,166	4,358	NM	NM	722	178
Tennessee	2,275	3,440	-33.9%	2,200	3,360	0	0	52	57	23	23
West South Central	137,550	163,690	-16.0%	33,225	43,632	73,202	89,803	280	285	30,844	29,970
Arkansas	6,622	8,638	-23.3%	565	1,236	5,925	7,296	NM	NM	132	107
Louisiana	23,222	28,803	-19.4%	8,385	11,290	3,788	6,042	NM	NM	11,027	11,448
Oklahoma	14,222	20,060	-29.1%	10,462	13,328	3,675	6,662	NM	NM	65	51
Texas	93,485	106,189	-12.0%	13,813	17,778	59,814	69,804	238	243	19,620	18,363
Mountain	33,885	38,666	-12.4%	20,545	23,164	12,696	14,812	97	102	547	587
Arizona	9,450	13,575	-30.4%	4,037	6,387	5,380	7,149	30	33	NM	NM
Colorado	4,736	5,204	-9.0%	2,605	3,085	2,121	2,109	1	1	NM	NM
Idaho	1,226	671	82.7%	496	91	711	559	0	0	19	20
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	11,365	11,395	-0.3%	8,660	8,368	2,542	2,870	29	30	134	127
New Mexico	4,089	4,165	-1.8%	2,398	2,303	1,617	1,789	36	38	38	35
Utah	2,692	3,297	-18.4%	2,286	2,840	314	320	NM	NM	91	136
Wyoming	273	283	-3.7%	NM	NM	NM	NM	0	0	254	255
Pacific Contiguous	60,278	61,141	-1.4%	20,035	19,350	33,301	34,706	861	876	6,081	6,209
California	51,279	54,056	-5.1%	15,419	16,196	29,032	30,889	837	844	5,991	6,127
Oregon	5,811	5,077	14.5%	1,887	1,605	3,853	3,396	21	NM	50	51
Washington	3,188	2,008	58.8%	2,729	1,548	416	421	NM	NM	40	31
Pacific Noncontiguous	1,833	2,021	-9.3%	1,799	1,984	0	0	NM	NM	32	35
Alaska	1,833	2,021	-9.3%	1,799	1,984	0	0	NM	NM	32	35
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	513,243	594,522	-13.7%	215,827	243,025	251,318	306,559	2,787	2,943	43,310	41,995

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 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	72	68	7.2%	0	0	NM	NM	0	NM	70	63
New Jersey	14	16	-15.1%	0	0	0	0	0	NM	14	16
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	59	52	14.1%	0	0	NM	NM	0	0	56	47
East North Central	254	291	-12.7%	3	0	35	28	0	0	216	263
Illinois	30	33	-8.0%	0	0	3	1	0	0	28	32
Indiana	172	212	-18.6%	0	0	0	0	0	0	172	212
Michigan	36	24	48.8%	3	0	33	24	0	0	0	0
Ohio	16	23	-29.3%	0	0	0	3	0	0	16	20
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	11	38	-72.1%	0	0	0	0	0	0	11	38
Delaware	8	31	-74.4%	0	0	0	0	0	0	8	31
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	1	-66.1%	0	0	0	0	0	0	0	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	3	-100.0%	0	0	0	0	0	0	0	3
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	2	3	-25.7%	0	0	0	0	0	0	2	3
East South Central	6	8	-24.4%	0	0	0	0	0	0	6	8
Alabama	5	7	-25.4%	0	0	0	0	0	0	5	7
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-18.4%	0	0	0	0	0	0	1	1
West South Central	399	347	14.9%	0	0	182	164	0	0	217	184
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	201	74	170.8%	0	0	67	21	0	0	134	53
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	198	273	-27.5%	0	0	115	142	0	0	83	131
Mountain	24	21	14.7%	0	0	1	1	0	0	24	21
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	-23.9%	0	0	0	0	0	0	0	0
Nevada	1	1	47.4%	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	21	18	15.0%	0	0	0	0	0	0	21	18
Pacific Contiguous	144	164	-12.3%	NM	NM	37	31	0	0	106	132
California	107	133	-19.6%	NM	NM	0	0	0	0	106	132
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	37	31	18.9%	0	0	37	31	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	917	945	-3.0%	4	NM	258	227	0	NM	656	717

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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 June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 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	428	424	0.8%	0	0	13	30	NM	NM	414	392
New Jersey	85	82	4.0%	0	0	0	0	NM	NM	85	80
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	343	343	0.0%	0	0	13	30	0	0	329	312
East North Central	1,496	1,630	-8.2%	20	0	185	187	0	0	1,292	1,442
Illinois	185	166	11.1%	0	0	13	1	0	0	172	165
Indiana	1,021	1,171	-12.8%	0	0	0	0	0	0	1,021	1,171
Michigan	192	155	23.6%	20	0	172	155	0	0	0	0
Ohio	98	137	-28.3%	0	0	0	30	0	0	98	107
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	24	22	9.7%	0	0	0	0	0	0	24	22
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	24	22	9.7%	0	0	0	0	0	0	24	22
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	58	255	-77.5%	0	0	0	0	0	0	58	255
Delaware	42	123	-65.6%	0	0	0	0	0	0	42	123
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2	4	-53.3%	0	0	0	0	0	0	2	4
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	112	-100.0%	0	0	0	0	0	0	0	112
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	13	15	-15.2%	0	0	0	0	0	0	13	15
East South Central	69	166	-58.3%	0	0	0	0	0	0	69	166
Alabama	63	159	-60.6%	0	0	0	0	0	0	63	159
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	7	7	-6.7%	0	0	0	0	0	0	7	7
West South Central	2,191	2,143	2.2%	0	0	900	973	0	0	1,291	1,170
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,034	601	72.0%	0	0	254	136	0	0	780	465
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,156	1,542	-25.0%	0	0	645	836	0	0	511	705
Mountain	170	167	2.1%	0	0	3	3	0	0	168	164
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	15.3%	0	0	0	0	0	0	0	0
Nevada	3	3	-19.9%	0	0	3	3	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	14	15	-4.5%	0	0	0	0	0	0	14	15
Wyoming	154	149	3.2%	0	0	0	0	0	0	154	149
Pacific Contiguous	928	1,063	-12.7%	NM	NM	180	200	0	0	743	858
California	748	863	-13.3%	NM	NM	0	0	0	0	743	858
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	180	200	-10.3%	0	0	180	200	0	0	0	0
Pacific Noncontiguous	16	18	-9.9%	0	0	0	0	0	0	16	18
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	15	16	-11.0%	0	0	0	0	0	0	15	16
U.S. Total	5,380	5,889	-8.6%	25	NM	1,280	1,394	NM	NM	4,075	4,488

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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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	3,324	3,075	8.1%	0	0	3,324	3,075	0	0	0	0
Connecticut	1,514	1,513	0.1%	0	0	1,514	1,513	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	474	477	-0.7%	0	0	474	477	0	0	0	0
New Hampshire	898	759	18.3%	0	0	898	759	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	439	326	34.7%	0	0	439	326	0	0	0	0
Middle Atlantic	12,614	11,993	5.2%	0	0	12,614	11,993	0	0	0	0
New Jersey	2,779	2,962	-6.2%	0	0	2,779	2,962	0	0	0	0
New York	3,724	3,302	12.8%	0	0	3,724	3,302	0	0	0	0
Pennsylvania	6,112	5,729	6.7%	0	0	6,112	5,729	0	0	0	0
East North Central	12,723	12,833	-0.9%	2,069	2,143	10,654	10,690	0	0	0	0
Illinois	8,300	8,248	0.6%	0	0	8,300	8,248	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,310	2,366	-2.4%	2,069	2,143	241	224	0	0	0	0
Ohio	1,247	988	26.3%	0	0	1,247	988	0	0	0	0
Wisconsin	865	1,231	-29.7%	0	0	865	1,231	0	0	0	0
West North Central	3,377	3,827	-11.8%	2,946	3,396	431	431	0	0	0	0
Iowa	431	431	0.0%	0	0	431	431	0	0	0	0
Kansas	843	855	-1.5%	843	855	0	0	0	0	0	0
Minnesota	701	1,135	-38.3%	701	1,135	0	0	0	0	0	0
Missouri	870	867	0.3%	870	867	0	0	0	0	0	0
Nebraska	533	538	-0.9%	533	538	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	17,271	16,317	5.8%	16,021	15,072	1,250	1,245	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	2,500	1,658	50.8%	2,500	1,658	0	0	0	0	0	0
Georgia	2,671	2,936	-9.0%	2,671	2,936	0	0	0	0	0	0
Maryland	1,250	1,245	0.4%	0	0	1,250	1,245	0	0	0	0
North Carolina	3,474	3,397	2.3%	3,474	3,397	0	0	0	0	0	0
South Carolina	4,764	4,619	3.1%	4,764	4,619	0	0	0	0	0	0
Virginia	2,611	2,462	6.1%	2,611	2,462	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,932	6,208	11.7%	6,932	6,208	0	0	0	0	0	0
Alabama	3,563	3,502	1.7%	3,563	3,502	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	983	271	262.5%	983	271	0	0	0	0	0	0
Tennessee	2,385	2,434	-2.0%	2,385	2,434	0	0	0	0	0	0
West South Central	5,780	6,241	-7.4%	2,128	2,587	3,652	3,654	0	0	0	0
Arkansas	713	1,321	-46.0%	713	1,321	0	0	0	0	0	0
Louisiana	1,414	1,266	11.7%	1,414	1,266	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,652	3,654	-0.1%	0	0	3,652	3,654	0	0	0	0
Mountain	2,846	2,835	0.4%	2,846	2,835	0	0	0	0	0	0
Arizona	2,846	2,835	0.4%	2,846	2,835	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	1,562	1,812	-13.8%	1,562	1,812	0	0	0	0	0	0
California	1,484	1,097	35.3%	1,484	1,097	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	78	716	-89.1%	78	716	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	66,430	65,140	2.0%	34,504	34,052	31,926	31,088	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 1.12.B. Net Generation from Nuclear Energy
by State, by Sector, Year-to-Date through June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	17,501	18,888	-7.3%	0	0	17,501	18,888	0	0	0	0
Connecticut	8,076	9,162	-11.9%	0	0	8,076	9,162	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	1,808	2,889	-37.4%	0	0	1,808	2,889	0	0	0	0
New Hampshire	5,420	4,447	21.9%	0	0	5,420	4,447	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	2,198	2,390	-8.0%	0	0	2,198	2,390	0	0	0	0
Middle Atlantic	77,541	74,485	4.1%	0	0	77,541	74,485	0	0	0	0
New Jersey	16,742	17,019	-1.6%	0	0	16,742	17,019	0	0	0	0
New York	21,840	19,817	10.2%	0	0	21,840	19,817	0	0	0	0
Pennsylvania	38,959	37,648	3.5%	0	0	38,959	37,648	0	0	0	0
East North Central	74,809	76,929	-2.8%	10,959	11,942	63,850	64,986	0	0	0	0
Illinois	47,920	47,898	0.0%	0	0	47,920	47,898	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	13,471	14,215	-5.2%	10,959	11,942	2,512	2,273	0	0	0	0
Ohio	6,970	7,685	-9.3%	0	0	6,970	7,685	0	0	0	0
Wisconsin	6,448	7,131	-9.6%	0	0	6,448	7,131	0	0	0	0
West North Central	17,851	20,313	-12.1%	15,201	17,655	2,650	2,658	0	0	0	0
Iowa	2,650	2,658	-0.3%	0	0	2,650	2,658	0	0	0	0
Kansas	2,748	3,042	-9.7%	2,748	3,042	0	0	0	0	0	0
Minnesota	5,350	5,896	-9.3%	5,350	5,896	0	0	0	0	0	0
Missouri	3,727	5,338	-30.2%	3,727	5,338	0	0	0	0	0	0
Nebraska	3,376	3,379	-0.1%	3,376	3,379	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	96,200	90,259	6.6%	89,511	84,023	6,689	6,235	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	11,846	8,864	33.7%	11,846	8,864	0	0	0	0	0	0
Georgia	15,534	16,822	-7.7%	15,534	16,822	0	0	0	0	0	0
Maryland	6,689	6,235	7.3%	0	0	6,689	6,235	0	0	0	0
North Carolina	18,621	19,526	-4.6%	18,621	19,526	0	0	0	0	0	0
South Carolina	28,748	25,054	14.7%	28,748	25,054	0	0	0	0	0	0
Virginia	14,761	13,758	7.3%	14,761	13,758	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	39,338	35,455	11.0%	39,338	35,455	0	0	0	0	0	0
Alabama	19,279	19,954	-3.4%	19,279	19,954	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	5,416	1,680	222.4%	5,416	1,680	0	0	0	0	0	0
Tennessee	14,643	13,821	6.0%	14,643	13,821	0	0	0	0	0	0
West South Central	30,683	35,155	-12.7%	12,822	16,666	17,861	18,489	0	0	0	0
Arkansas	5,275	8,072	-34.7%	5,275	8,072	0	0	0	0	0	0
Louisiana	7,547	8,594	-12.2%	7,547	8,594	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17,861	18,489	-3.4%	0	0	17,861	18,489	0	0	0	0
Mountain	16,157	16,137	0.1%	16,157	16,137	0	0	0	0	0	0
Arizona	16,157	16,137	0.1%	16,157	16,137	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	11,800	13,428	-12.1%	11,800	13,428	0	0	0	0	0	0
California	8,249	8,971	-8.0%	8,249	8,971	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3,552	4,457	-20.3%	3,552	4,457	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	381,881	381,049	0.2%	195,790	195,307	186,092	185,742	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	810	563	43.9%	117	79	649	425	NM	NM	44	59
Connecticut	49	NM	NM	NM	NM	45	NM	0	0	0	0
Maine	374	267	40.0%	0	0	333	210	0	0	41	57
Massachusetts	109	73	50.2%	NM	NM	79	57	NM	NM	NM	NM
New Hampshire	150	112	34.2%	40	34	110	77	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	127	79	59.7%	44	NM	81	52	0	0	NM	NM
Middle Atlantic	2,249	2,075	8.3%	1,646	1,679	596	392	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,016	1,898	6.2%	1,556	1,601	452	293	NM	NM	NM	NM
Pennsylvania	230	175	30.8%	89	78	140	98	0	0	0	0
East North Central	399	437	-8.7%	357	396	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Indiana	39	41	-3.4%	39	41	0	0	0	0	0	0
Michigan	117	142	-17.4%	105	130	NM	NM	0	0	NM	NM
Ohio	48	32	53.9%	48	32	0	0	0	0	0	0
Wisconsin	181	215	-15.9%	159	191	NM	NM	NM	NM	NM	NM
West North Central	933	1,120	-16.7%	895	1,087	NM	NM	0	0	NM	NM
Iowa	77	81	-4.4%	76	80	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	56	82	-32.0%	NM	50	NM	NM	0	0	NM	NM
Missouri	204	29	592.4%	204	29	0	0	0	0	0	0
Nebraska	138	156	-11.1%	138	156	0	0	0	0	0	0
North Dakota	167	230	-27.5%	167	230	0	0	0	0	0	0
South Dakota	289	541	-46.6%	289	541	0	0	0	0	0	0
South Atlantic	1,488	815	82.6%	1,159	628	201	153	NM	NM	126	34
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	296	181	63.9%	293	179	NM	NM	0	0	NM	NM
Maryland	138	130	5.9%	0	0	138	130	0	0	0	0
North Carolina	544	245	122.0%	469	243	NM	NM	NM	NM	69	0
South Carolina	223	104	114.9%	218	101	NM	NM	NM	0	0	0
Virginia	129	74	75.6%	122	69	NM	NM	0	0	NM	NM
West Virginia	141	72	96.5%	NM	NM	47	14	0	0	54	32
East South Central	2,176	877	147.9%	2,095	877	NM	NM	0	0	80	0
Alabama	896	308	190.7%	896	308	0	0	0	0	0	0
Kentucky	254	106	138.4%	253	106	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,026	463	121.6%	946	463	0	0	0	0	80	0
West South Central	894	233	284.5%	760	194	135	39	0	0	0	0
Arkansas	353	111	218.2%	349	108	NM	NM	0	0	0	0
Louisiana	127	34	271.0%	0	0	127	34	0	0	0	0
Oklahoma	321	50	546.5%	321	50	0	0	0	0	0	0
Texas	94	38	148.0%	90	36	NM	NM	0	0	0	0
Mountain	3,767	4,126	-8.7%	3,275	3,614	492	511	0	0	0	0
Arizona	613	625	-1.9%	613	625	0	0	0	0	0	0
Colorado	183	212	-13.4%	169	192	NM	NM	0	0	0	0
Idaho	1,122	1,313	-14.6%	1,030	1,197	91	116	0	0	0	0
Montana	1,329	1,406	-5.5%	950	1,037	379	369	0	0	0	0
Nevada	278	280	-0.8%	272	276	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	104	119	-12.1%	103	117	NM	NM	0	0	0	0
Wyoming	121	148	-18.0%	120	147	NM	NM	0	0	0	0
Pacific Contiguous	14,502	16,231	-10.6%	14,297	16,002	204	227	NM	NM	NM	NM
California	2,956	2,954	0.1%	2,798	2,781	156	172	NM	NM	0	0
Oregon	3,089	3,785	-18.4%	3,064	3,757	NM	NM	0	0	0	0
Washington	8,458	9,492	-10.9%	8,435	9,464	NM	NM	0	0	NM	NM
Pacific Noncontiguous	113	134	-15.6%	108	127	1	2	0	0	NM	NM
Alaska	106	125	-15.6%	106	125	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	1	2	0	0	NM	NM
U.S. Total	27,331	26,611	2.7%	24,707	24,683	2,323	1,793	NM	NM	295	131

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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 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, Year-to-Date through June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	4,637	4,268	8.6%	670	585	3,648	3,298	NM	NM	315	383
Connecticut	300	271	10.4%	NM	NM	273	246	0	0	0	0
Maine	2,105	1,933	8.9%	0	0	1,809	1,567	0	0	296	365
Massachusetts	632	583	8.5%	170	134	455	443	NM	NM	NM	NM
New Hampshire	830	789	5.3%	216	201	611	586	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	765	688	11.2%	257	225	496	452	0	0	NM	NM
Middle Atlantic	14,120	15,440	-8.6%	10,556	12,225	3,521	3,177	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	12,566	13,984	-10.1%	9,855	11,536	2,669	2,409	NM	NM	NM	NM
Pennsylvania	1,533	1,440	6.5%	701	689	833	751	0	0	0	0
East North Central	2,098	2,288	-8.3%	1,874	2,057	135	134	NM	NM	81	89
Illinois	70	64	9.9%	NM	NM	43	41	NM	0	0	0
Indiana	217	218	-0.4%	217	218	0	0	0	0	0	0
Michigan	623	721	-13.6%	556	656	54	51	0	0	NM	NM
Ohio	238	182	30.4%	238	182	0	0	0	0	0	0
Wisconsin	950	1,103	-13.8%	838	978	NM	42	NM	NM	68	75
West North Central	4,987	6,286	-20.7%	4,837	6,113	104	110	0	0	46	62
Iowa	403	435	-7.4%	399	431	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	309	412	-25.1%	173	250	89	99	0	0	46	62
Missouri	776	592	31.0%	776	592	0	0	0	0	0	0
Nebraska	727	813	-10.6%	727	813	0	0	0	0	0	0
North Dakota	1,021	1,302	-21.6%	1,021	1,302	0	0	0	0	0	0
South Dakota	1,742	2,724	-36.0%	1,741	2,724	NM	0	0	0	0	0
South Atlantic	8,814	6,574	34.1%	6,723	4,759	1,242	1,414	NM	NM	840	395
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	105	88	18.3%	105	88	0	0	0	0	0	0
Georgia	1,683	1,218	38.2%	1,666	1,204	NM	NM	0	0	NM	NM
Maryland	881	1,104	-20.2%	0	0	881	1,104	0	0	0	0
North Carolina	3,330	1,961	69.9%	2,863	1,943	NM	NM	NM	NM	439	NM
South Carolina	1,204	779	54.6%	1,173	758	NM	NM	NM	NM	0	0
Virginia	718	584	22.9%	673	546	NM	NM	0	0	NM	NM
West Virginia	894	839	6.5%	243	220	268	241	0	0	383	378
East South Central	14,919	9,631	54.9%	14,383	9,626	NM	NM	0	0	531	0
Alabama	7,087	4,131	71.6%	7,087	4,131	0	0	0	0	0	0
Kentucky	1,793	1,321	35.7%	1,788	1,317	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6,039	4,179	44.5%	5,508	4,179	0	0	0	0	531	0
West South Central	3,634	3,387	7.3%	2,938	2,791	696	596	0	0	0	0
Arkansas	1,317	1,640	-19.7%	1,292	1,619	NM	NM	0	0	0	0
Louisiana	649	556	16.8%	0	0	649	556	0	0	0	0
Oklahoma	1,151	885	30.0%	1,151	885	0	0	0	0	0	0
Texas	518	306	69.4%	496	287	NM	NM	0	0	0	0
Mountain	17,818	20,027	-11.0%	15,410	17,404	2,408	2,622	0	0	0	0
Arizona	3,219	3,771	-14.6%	3,219	3,771	0	0	0	0	0	0
Colorado	996	1,065	-6.5%	914	968	81	98	0	0	0	0
Idaho	5,506	6,606	-16.6%	5,138	6,084	368	521	0	0	0	0
Montana	5,613	6,025	-6.8%	3,692	4,055	1,921	1,970	0	0	0	0
Nevada	1,506	1,349	11.6%	1,478	1,326	NM	NM	0	0	0	0
New Mexico	92	114	-19.5%	92	114	0	0	0	0	0	0
Utah	548	616	-11.1%	542	610	NM	NM	0	0	0	0
Wyoming	339	481	-29.5%	334	476	NM	NM	0	0	0	0
Pacific Contiguous	75,114	82,090	-8.5%	74,212	81,171	897	915	NM	NM	NM	NM
California	12,864	12,336	4.3%	12,231	11,710	629	623	NM	NM	0	0
Oregon	19,013	21,982	-13.5%	18,877	21,829	136	153	0	0	0	0
Washington	43,237	47,772	-9.5%	43,105	47,631	131	140	0	0	NM	NM
Pacific Noncontiguous	696	789	-11.8%	662	748	11	16	0	0	NM	NM
Alaska	653	738	-11.6%	653	738	0	0	0	0	0	0
Hawaii	NM	51	NM	NM	NM	11	16	0	0	NM	NM
U.S. Total	146,838	150,779	-2.6%	132,266	137,479	12,668	12,289	NM	NM	1,878	990

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.A. Net Generation from Other Renewable Sources by State, by Sector, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	786	717	9.6%	71	54	505	478	NM	10	199	175
Connecticut	57	59	-3.7%	0	0	57	59	0	0	0	0
Maine	375	389	-3.6%	0	0	217	205	NM	9	148	175
Massachusetts	173	110	57.6%	NM	NM	116	102	NM	NM	51	0
New Hampshire	115	110	4.0%	31	30	84	80	0	0	0	NM
Rhode Island	11	11	2.4%	0	0	11	11	0	0	0	0
Vermont	56	38	45.3%	35	17	20	21	NM	NM	0	0
Middle Atlantic	943	876	7.7%	NM	NM	824	769	54	46	59	54
New Jersey	130	127	2.2%	NM	NM	102	94	21	25	NM	NM
New York	408	385	5.9%	0	0	366	361	22	10	19	14
Pennsylvania	406	365	11.4%	0	0	357	314	10	11	39	40
East North Central	1,510	1,507	0.2%	146	135	1,216	1,221	21	18	126	132
Illinois	657	633	3.9%	NM	NM	656	631	0	NM	0	0
Indiana	214	214	0.3%	26	26	185	184	NM	2	NM	2
Michigan	314	281	11.6%	48	22	194	195	18	15	54	49
Ohio	114	128	-10.6%	NM	NM	86	98	NM	0	24	28
Wisconsin	210	252	-16.3%	69	84	95	113	NM	NM	46	53
West North Central	3,441	3,119	10.3%	1,017	998	2,375	2,069	NM	6	43	45
Iowa	1,102	1,074	2.5%	600	560	497	510	NM	3	2	2
Kansas	822	472	74.1%	85	100	737	373	0	0	0	0
Minnesota	702	723	-2.9%	156	163	503	515	NM	NM	41	43
Missouri	97	109	-10.8%	NM	3	94	105	0	0	NM	NM
Nebraska	123	107	14.7%	18	21	104	85	NM	NM	0	0
North Dakota	394	405	-2.8%	109	95	285	310	0	0	0	NM
South Dakota	201	228	-11.7%	46	57	155	171	0	0	0	0
South Atlantic	1,443	1,407	2.5%	124	97	533	523	37	30	748	757
Delaware	NM	14	NM	0	NM	NM	13	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	395	397	-0.6%	28	23	179	203	NM	3	184	169
Georgia	287	280	2.5%	0	0	43	13	NM	NM	241	265
Maryland	73	79	-6.9%	NM	NM	55	59	NM	6	12	14
North Carolina	225	201	12.1%	NM	NM	113	88	NM	0	106	113
South Carolina	162	151	7.5%	39	42	NM	2	0	0	122	108
Virginia	210	195	7.7%	55	31	51	55	21	18	83	90
West Virginia	78	90	-13.7%	0	0	78	90	0	0	0	0
East South Central	513	498	3.1%	NM	8	26	22	0	0	479	468
Alabama	267	273	-2.0%	NM	NM	17	18	0	0	250	255
Kentucky	25	35	-28.7%	NM	8	0	0	0	0	17	27
Mississippi	130	102	27.8%	0	0	0	0	0	0	130	102
Tennessee	90	88	2.9%	0	0	NM	4	0	0	82	84
West South Central	4,931	3,839	28.4%	181	170	4,293	3,243	NM	3	454	423
Arkansas	141	129	9.6%	0	0	NM	7	NM	NM	136	122
Louisiana	213	197	8.2%	0	0	NM	6	0	0	207	191
Oklahoma	1,030	703	46.7%	149	138	857	540	0	0	25	24
Texas	3,545	2,810	26.2%	32	32	3,424	2,689	NM	3	86	86
Mountain	2,114	1,944	8.8%	191	178	1,879	1,722	8	9	35	34
Arizona	225	147	53.3%	28	19	197	126	NM	NM	0	0
Colorado	625	543	15.1%	5	5	617	535	NM	NM	NM	NM
Idaho	229	187	22.4%	10	0	184	154	0	0	35	33
Montana	110	122	-10.2%	6	7	103	115	0	0	0	0
Nevada	332	287	15.6%	0	0	327	282	NM	5	NM	NM
New Mexico	228	232	-1.7%	NM	0	221	232	NM	NM	0	0
Utah	103	125	-17.5%	22	21	81	104	0	0	0	0
Wyoming	263	301	-12.6%	114	126	148	175	0	0	0	0
Pacific Contiguous	5,097	4,644	9.8%	652	759	4,146	3,625	105	94	194	165
California	3,689	3,114	18.5%	249	202	3,277	2,762	102	92	61	59
Oregon	755	725	4.2%	146	181	575	513	NM	2	32	28
Washington	653	805	-18.9%	257	376	295	350	0	0	101	78
Pacific Noncontiguous	109	81	34.7%	6	8	86	55	8	8	NM	9
Alaska	9	NM	NM	NM	NM	NM	0	0	0	NM	NM
Hawaii	99	79	25.4%	0	7	82	55	8	8	NM	9
U.S. Total	20,887	18,631	12.1%	2,404	2,416	15,883	13,727	254	225	2,345	2,264

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.B. Net Generation from Other Renewable Sources
by State, by Sector, Year-to-Date through June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	4,602	4,238	8.6%	414	310	3,086	2,915	66	61	1,036	952
Connecticut	332	350	-5.1%	0	0	332	350	0	0	0	0
Maine	2,129	2,234	-4.7%	0	0	1,306	1,231	55	52	769	952
Massachusetts	983	654	50.3%	35	40	671	606	10	8	267	0
New Hampshire	738	692	6.6%	171	164	566	528	0	0	NM	NM
Rhode Island	63	65	-2.6%	0	0	63	65	0	0	0	0
Vermont	357	243	47.1%	208	106	149	136	NM	NM	0	0
Middle Atlantic	6,737	5,775	16.7%	26	27	6,073	5,123	286	264	351	362
New Jersey	661	635	4.2%	26	27	524	468	109	139	NM	NM
New York	2,953	2,751	7.3%	0	0	2,716	2,565	115	60	122	125
Pennsylvania	3,123	2,390	30.7%	0	0	2,833	2,090	62	65	228	236
East North Central	12,982	11,124	16.7%	1,306	988	10,771	9,189	100	105	806	842
Illinois	5,777	4,707	22.7%	8	9	5,769	4,698	0	NM	0	0
Indiana	2,137	2,051	4.2%	146	152	1,970	1,878	NM	11	NM	10
Michigan	2,392	1,749	36.7%	475	157	1,537	1,189	80	86	299	317
Ohio	970	913	6.2%	14	10	779	712	NM	0	175	192
Wisconsin	1,706	1,704	0.1%	662	661	716	713	NM	7	322	323
West North Central	24,287	21,150	14.8%	7,696	6,771	16,303	14,093	39	42	249	245
Iowa	8,503	7,730	10.0%	4,731	4,042	3,750	3,663	17	17	4	7
Kansas	4,807	2,405	99.9%	445	521	4,363	1,884	0	0	0	0
Minnesota	5,065	5,001	1.3%	1,156	1,000	3,652	3,752	16	18	242	231
Missouri	693	743	-6.7%	17	17	675	724	0	0	NM	NM
Nebraska	914	693	31.9%	135	131	772	555	NM	7	0	0
North Dakota	2,887	2,990	-3.4%	888	698	1,998	2,288	0	0	NM	4
South Dakota	1,418	1,588	-10.7%	325	362	1,093	1,226	0	0	0	0
South Atlantic	8,759	8,580	2.1%	558	549	3,476	3,286	201	166	4,525	4,578
Delaware	61	77	-20.6%	NM	NM	57	72	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,328	2,340	-0.5%	136	123	1,116	1,185	19	19	1,057	1,013
Georgia	1,669	1,638	1.9%	0	0	160	78	NM	13	1,494	1,547
Maryland	484	444	9.0%	NM	NM	396	342	26	32	59	68
North Carolina	1,284	1,180	8.8%	NM	NM	609	531	22	0	653	648
South Carolina	959	1,085	-11.7%	224	255	NM	11	0	0	724	820
Virginia	1,120	1,053	6.4%	195	169	273	303	115	99	537	482
West Virginia	855	764	11.9%	0	0	855	764	0	0	0	0
East South Central	2,894	2,981	-2.9%	48	49	143	136	0	0	2,703	2,796
Alabama	1,521	1,595	-4.6%	NM	NM	97	99	0	0	1,423	1,496
Kentucky	165	165	-0.3%	47	49	0	0	0	0	118	116
Mississippi	711	712	-0.2%	0	0	0	0	0	0	711	712
Tennessee	497	509	-2.3%	0	0	46	38	0	0	451	471
West South Central	29,193	24,307	20.1%	1,011	990	25,529	20,768	21	21	2,632	2,528
Arkansas	828	834	-0.7%	0	0	37	44	NM	NM	789	788
Louisiana	1,240	1,138	8.9%	0	0	36	38	0	0	1,203	1,100
Oklahoma	5,780	4,202	37.5%	848	824	4,789	3,234	0	0	142	145
Texas	21,346	18,132	17.7%	164	166	20,666	17,453	19	19	497	495
Mountain	13,747	11,963	14.9%	1,475	1,375	12,033	10,350	35	36	204	202
Arizona	1,155	573	101.4%	111	79	1,040	489	NM	NM	0	0
Colorado	3,920	3,468	13.0%	42	38	3,864	3,417	12	12	NM	NM
Idaho	1,641	1,252	31.0%	65	0	1,374	1,052	0	0	201	200
Montana	853	695	22.7%	50	54	803	642	0	0	0	0
Nevada	1,934	1,513	27.9%	0	0	1,917	1,494	17	18	NM	NM
New Mexico	1,442	1,400	3.0%	NM	0	1,428	1,398	NM	NM	0	0
Utah	438	605	-27.6%	111	134	326	471	0	0	0	0
Wyoming	2,364	2,457	-3.8%	1,084	1,071	1,280	1,386	0	0	0	0
Pacific Contiguous	27,675	23,853	16.0%	3,898	3,834	22,039	18,403	580	555	1,159	1,060
California	18,539	15,760	17.6%	1,110	984	16,511	13,886	567	543	351	346
Oregon	4,489	3,521	27.5%	776	775	3,480	2,579	NM	12	220	155
Washington	4,648	4,572	1.7%	2,013	2,075	2,047	1,938	0	0	588	559
Pacific Noncontiguous	581	468	24.1%	28	20	417	319	82	72	54	58
Alaska	57	10	468.8%	16	8	39	0	0	0	NM	NM
Hawaii	524	458	14.5%	12	11	378	319	82	72	53	56
U.S. Total	131,456	114,440	14.9%	16,459	14,913	99,869	84,582	1,410	1,322	13,718	13,623

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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, June 2013 and 2012 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	-29	-35	-17.2%	0	0	-29	-35	0	0	0	0
Connecticut	3	1	467.8%	0	0	3	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-32	-36	-10.1%	0	0	-32	-36	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	-101	-78	28.5%	-32	-36	-68	-43	0	0	0	0
New Jersey	-24	-20	20.2%	-24	-20	0	0	0	0	0	0
New York	-8	-15	-46.7%	-8	-15	0	0	0	0	0	0
Pennsylvania	-68	-43	59.5%	0	0	-68	-43	0	0	0	0
East North Central	-82	-72	15.0%	-82	-72	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	-82	-72	15.0%	-82	-72	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	83	-9	NM	83	-9	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	83	-9	NM	83	-9	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	-266	-334	-20.5%	-266	-334	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	-32	-90	-64.6%	-32	-90	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	-95	-101	-6.1%	-95	-101	0	0	0	0	0	0
Virginia	-139	-144	-3.3%	-139	-144	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-1	-1	-11.3%	-1	-1	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	-1	-11.3%	-1	-1	0	0	0	0	0	0
West South Central	1	-10	-112.5%	1	-10	0	0	0	0	0	0
Arkansas	11	2	359.2%	11	2	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-9	-12	-22.2%	-9	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	10	-8	-222.0%	10	-8	0	0	0	0	0	0
Arizona	13	16	-20.5%	13	16	0	0	0	0	0	0
Colorado	-3	-24	-88.2%	-3	-24	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	86	72	19.2%	86	72	0	0	0	0	0	0
California	87	70	23.3%	87	70	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	2	-113.6%	0	2	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	-298	-475	-37.2%	-201	-397	-97	-78	0	0	0	0

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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 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, Year-to-Date through June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	-114	-120	-4.8%	0	0	-114	-120	0	0	0	0
Connecticut	-4	0	NM	0	0	-4	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-110	-120	-8.0%	0	0	-110	-120	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	-402	-305	31.9%	-160	-98	-242	-206	0	0	0	0
New Jersey	-93	-56	64.5%	-93	-56	0	0	0	0	0	0
New York	-67	-42	60.9%	-67	-42	0	0	0	0	0	0
Pennsylvania	-242	-206	17.1%	0	0	-242	-206	0	0	0	0
East North Central	-393	-318	23.8%	-393	-318	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	-393	-318	23.8%	-393	-318	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	255	103	148.9%	255	103	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	255	103	148.9%	255	103	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	-1,244	-1,411	-11.8%	-1,244	-1,411	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	-267	-387	-31.1%	-267	-387	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	-369	-393	-6.3%	-369	-393	0	0	0	0	0	0
Virginia	-609	-631	-3.5%	-609	-631	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-22	-144	-84.9%	-22	-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	-22	-144	-84.9%	-22	-144	0	0	0	0	0	0
West South Central	-28	-15	93.8%	-28	-15	0	0	0	0	0	0
Arkansas	18	32	-44.5%	18	32	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-46	-46	-1.1%	-46	-46	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-66	-91	-27.8%	-66	-91	0	0	0	0	0	0
Arizona	17	32	-46.6%	17	32	0	0	0	0	0	0
Colorado	-83	-123	-32.7%	-83	-123	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	51	415	-87.8%	51	415	0	0	0	0	0	0
California	45	392	-88.4%	45	392	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6	24	-76.6%	6	24	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	-1,963	-1,885	4.2%	-1,607	-1,558	-356	-326	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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	180	174	3.2%	0	0	169	164	8	7	3	3
Connecticut	66	63	4.8%	0	0	66	63	0	0	NM	NM
Maine	30	31	-4.1%	0	0	22	21	8	7	0	2
Massachusetts	78	74	4.9%	0	0	75	74	0	0	3	0
New Hampshire	NM	6	NM	0	0	NM	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	203	209	-3.0%	0	0	163	178	39	30	0	0
New Jersey	45	48	-6.6%	0	0	33	36	12	13	0	0
New York	81	81	-0.2%	0	0	62	73	19	9	0	0
Pennsylvania	77	79	-3.6%	0	0	68	70	9	9	0	0
East North Central	113	98	15.8%	12	16	29	14	17	14	56	54
Illinois	21	19	10.3%	0	0	0	0	0	0	21	19
Indiana	39	41	-5.6%	7	9	0	0	NM	NM	31	31
Michigan	48	32	51.3%	2	3	29	14	16	13	2	2
Ohio	0	1	-54.1%	0	0	0	0	0	0	0	1
Wisconsin	6	5	4.4%	3	3	0	0	NM	NM	NM	NM
West North Central	39	34	16.3%	20	19	NM	10	NM	NM	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	35	27	27.7%	16	12	NM	10	NM	NM	NM	NM
Missouri	1	3	-76.8%	1	3	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	4	NM	NM	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	337	320	5.4%	0	0	189	191	18	17	130	112
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	248	227	9.1%	0	0	127	123	0	0	121	104
Georgia	7	4	107.2%	0	0	0	0	0	0	7	4
Maryland	28	32	-10.9%	0	0	28	32	NM	NM	0	0
North Carolina	9	9	-1.2%	0	0	9	9	0	0	0	0
South Carolina	2	5	-51.9%	0	0	0	0	0	0	2	5
Virginia	42	44	-3.0%	0	0	25	27	18	17	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	3	NM	0	2	0	0	0	0	NM	NM
Alabama	1	0	--	0	0	0	0	0	0	1	0
Kentucky	0	2	-100.0%	0	2	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	140.2%	0	0	0	0	0	0	0	0
West South Central	66	63	5.2%	0	0	0	0	0	0	66	63
Arkansas	2	3	-42.2%	0	0	0	0	0	0	2	3
Louisiana	30	28	6.3%	0	0	0	0	0	0	30	28
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	34	31	8.1%	0	0	0	0	0	0	34	31
Mountain	45	29	56.8%	NM	4	29	17	0	0	13	8
Arizona	0	2	-100.0%	0	0	0	2	0	0	0	0
Colorado	NM	5	NM	0	0	NM	2	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	27	13	114.3%	0	0	27	13	0	0	0	0
Nevada	NM	4	NM	NM	4	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	9	5	86.5%	0	0	NM	NM	0	0	9	5
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	76	77	-1.0%	0	0	32	31	0	0	45	46
California	60	60	-0.2%	0	0	21	20	0	0	40	40
Oregon	NM	4	NM	0	0	NM	4	0	0	0	0
Washington	NM	12	NM	0	0	NM	7	0	0	5	6
Pacific Noncontiguous	8	8	3.3%	0	0	0	0	8	8	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	8	8	3.3%	0	0	0	0	8	8	0	0
U.S. Total	1,069	1,014	5.4%	35	40	625	605	92	79	316	290

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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 June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	986	1,068	-7.6%	0	0	931	1,007	43	45	12	16
Connecticut	376	393	-4.4%	0	0	375	393	0	0	NM	NM
Maine	134	194	-31.3%	0	0	91	134	43	45	0	15
Massachusetts	443	445	-0.5%	0	0	432	445	0	0	11	0
New Hampshire	34	35	-3.2%	0	0	34	35	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	1,121	1,177	-4.8%	0	0	904	997	217	180	0	0
New Jersey	256	270	-5.2%	0	0	185	196	71	74	0	0
New York	429	451	-4.9%	0	0	335	399	94	52	0	0
Pennsylvania	436	456	-4.5%	0	0	384	402	52	55	0	0
East North Central	532	506	5.1%	71	64	93	80	78	86	290	275
Illinois	117	116	1.0%	0	0	0	0	0	0	117	116
Indiana	199	172	15.4%	48	37	0	0	9	9	142	126
Michigan	177	183	-3.3%	5	10	93	80	69	77	10	16
Ohio	6	6	-8.5%	0	0	0	0	0	0	6	6
Wisconsin	33	28	17.5%	18	17	0	0	NM	NM	15	11
West North Central	221	197	11.8%	112	111	78	56	13	12	18	18
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	192	166	15.8%	84	79	78	56	13	12	18	18
Missouri	8	10	-23.4%	8	10	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	21	21	-2.4%	21	21	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,962	1,967	-0.3%	0	0	1,064	1,098	98	91	801	777
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	1,471	1,488	-1.2%	0	0	737	760	0	0	733	728
Georgia	29	21	34.7%	0	0	0	0	0	0	29	21
Maryland	149	140	6.4%	0	0	149	140	NM	NM	0	0
North Carolina	56	54	4.3%	0	0	56	54	0	0	0	0
South Carolina	39	28	37.3%	0	0	0	0	0	0	39	28
Virginia	219	235	-7.1%	0	0	122	144	97	91	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8	5	45.1%	5	4	0	0	0	0	3	NM
Alabama	1	0	NM	0	0	0	0	0	0	1	0
Kentucky	5	4	27.8%	5	4	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	-17.7%	0	0	0	0	0	0	0	0
West South Central	404	359	12.4%	0	0	0	0	0	0	404	359
Arkansas	12	18	-29.9%	0	0	0	0	0	0	12	18
Louisiana	191	152	26.2%	0	0	0	0	0	0	191	152
Oklahoma	NM	3	NM	0	0	0	0	0	0	NM	3
Texas	195	186	4.6%	0	0	0	0	0	0	195	186
Mountain	295	270	9.5%	20	21	183	180	0	0	92	69
Arizona	3	15	-77.2%	0	0	3	15	0	0	0	0
Colorado	29	31	-4.9%	0	0	9	9	0	0	21	22
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	168	154	9.7%	0	0	168	154	0	0	0	0
Nevada	20	21	-3.9%	20	21	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	73	49	49.4%	0	0	NM	NM	0	0	71	47
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	394	448	-12.1%	0	0	172	167	0	0	222	281
California	304	344	-11.7%	0	0	111	105	0	0	192	239
Oregon	22	23	-3.3%	0	0	22	23	0	0	0	0
Washington	68	81	-16.1%	0	0	38	40	0	0	30	41
Pacific Noncontiguous	78	69	13.6%	0	0	0	0	78	69	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	78	69	13.6%	0	0	0	0	78	69	0	0
U.S. Total	6,001	6,066	-1.1%	208	200	3,425	3,586	526	484	1,841	1,796

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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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	124	89	40.3%	13	NM	110	82	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	66	56	17.5%	0	0	66	56	0	0	0	0
Massachusetts	13	NM	NM	NM	NM	8	NM	NM	NM	0	0
New Hampshire	29	18	62.4%	0	0	29	18	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	15	7	120.1%	9	1	6	6	0	0	0	0
Middle Atlantic	414	374	10.7%	0	0	413	373	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	209	211	-0.7%	0	0	209	210	0	0	NM	NM
Pennsylvania	204	162	25.7%	0	0	204	162	0	0	0	0
East North Central	1,041	1,023	1.8%	95	92	944	930	NM	NM	NM	NM
Illinois	595	574	3.5%	NM	NM	594	573	0	0	0	0
Indiana	185	184	0.1%	0	0	184	184	NM	NM	0	0
Michigan	127	77	64.5%	48	22	79	55	0	0	0	0
Ohio	59	69	-14.1%	NM	NM	56	67	0	0	NM	NM
Wisconsin	76	118	-35.9%	45	68	31	51	0	0	0	0
West North Central	3,264	2,946	10.8%	974	961	2,288	1,983	NM	NM	0	0
Iowa	1,087	1,060	2.6%	598	557	489	503	NM	NM	0	0
Kansas	817	467	74.9%	85	100	732	368	0	0	0	0
Minnesota	554	581	-4.6%	122	136	431	443	NM	NM	0	0
Missouri	92	103	-10.7%	0	0	92	103	0	0	0	0
Nebraska	117	102	15.5%	13	16	104	85	0	0	0	0
North Dakota	394	405	-2.7%	109	95	285	310	0	0	0	0
South Dakota	201	228	-11.7%	46	57	155	171	0	0	0	0
South Atlantic	94	113	-17.0%	0	0	94	113	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	16	22	-30.0%	0	0	16	22	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	78	90	-13.7%	0	0	78	90	0	0	0	0
East South Central	3	2	79.2%	0	0	3	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	3	2	79.2%	0	0	3	2	0	0	0	0
West South Central	4,392	3,312	32.6%	181	170	4,211	3,142	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,006	678	48.3%	149	138	857	540	0	0	0	0
Texas	3,386	2,634	28.6%	32	32	3,354	2,602	0	0	0	0
Mountain	1,481	1,366	8.4%	135	137	1,343	1,226	NM	NM	NM	NM
Arizona	50	25	95.3%	0	0	50	25	0	0	0	0
Colorado	599	514	16.5%	5	5	592	508	NM	NM	NM	NM
Idaho	180	138	30.8%	10	0	170	138	0	0	0	0
Montana	110	108	1.7%	6	7	103	100	0	0	0	0
Nevada	24	0	--	0	0	24	0	0	0	0	0
New Mexico	186	188	-1.3%	0	0	185	188	NM	NM	0	0
Utah	70	92	-24.0%	0	0	70	92	0	0	0	0
Wyoming	263	301	-12.6%	114	126	148	175	0	0	0	0
Pacific Contiguous	2,892	2,685	7.7%	502	620	2,390	2,065	NM	0	NM	0
California	1,679	1,307	28.4%	113	76	1,566	1,232	NM	0	NM	0
Oregon	676	665	1.6%	139	175	537	491	0	0	0	0
Washington	537	712	-24.5%	250	370	287	342	0	0	0	0
Pacific Noncontiguous	66	34	94.8%	NM	NM	60	32	0	0	0	0
Alaska	9	NM	NM	NM	NM	NM	0	0	0	0	0
Hawaii	56	32	73.8%	0	0	56	32	0	0	0	0
U.S. Total	13,771	11,944	15.3%	1,906	1,987	11,856	9,948	6	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 June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	964	727	32.5%	89	41	865	680	9	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	532	475	12.2%	0	0	532	475	0	0	0	0
Massachusetts	99	46	114.4%	30	34	60	6	9	NM	0	0
New Hampshire	209	150	39.0%	0	0	209	150	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	121	54	124.1%	59	7	62	47	0	0	0	0
Middle Atlantic	3,879	2,896	33.9%	0	0	3,874	2,891	0	0	NM	NM
New Jersey	8	8	1.1%	0	0	8	8	0	0	0	0
New York	1,929	1,697	13.7%	0	0	1,924	1,692	0	0	NM	NM
Pennsylvania	1,942	1,191	63.0%	0	0	1,942	1,191	0	0	0	0
East North Central	10,171	8,247	23.3%	1,021	714	9,140	7,525	NM	NM	10	NM
Illinois	5,434	4,366	24.5%	8	9	5,426	4,357	0	0	0	0
Indiana	1,969	1,879	4.8%	0	0	1,968	1,878	NM	NM	0	0
Michigan	1,265	563	124.7%	475	156	790	407	0	0	0	0
Ohio	630	554	13.8%	9	9	612	538	0	0	10	NM
Wisconsin	872	885	-1.4%	528	540	344	345	0	0	0	0
West North Central	23,277	20,145	15.5%	7,453	6,543	15,809	13,587	15	16	0	0
Iowa	8,426	7,648	10.2%	4,717	4,028	3,707	3,618	NM	NM	0	0
Kansas	4,778	2,375	101.2%	445	521	4,334	1,854	0	0	0	0
Minnesota	4,224	4,177	1.1%	970	830	3,241	3,333	13	14	0	0
Missouri	664	712	-6.8%	0	0	664	712	0	0	0	0
Nebraska	882	659	33.7%	109	105	772	555	0	0	0	0
North Dakota	2,886	2,986	-3.3%	888	698	1,998	2,288	0	0	0	0
South Dakota	1,418	1,588	-10.7%	325	362	1,093	1,226	0	0	0	0
South Atlantic	1,049	943	11.2%	0	0	1,046	940	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	192	177	8.4%	0	0	192	177	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	855	764	11.9%	0	0	855	764	0	0	0	0
East South Central	26	27	-1.8%	0	0	26	27	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	26	27	-1.8%	0	0	26	27	0	0	0	0
West South Central	26,130	21,326	22.5%	1,011	990	25,118	20,337	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	5,637	4,058	38.9%	848	824	4,789	3,234	0	0	0	0
Texas	20,493	17,269	18.7%	164	166	20,329	17,103	0	0	0	0
Mountain	10,303	9,257	11.3%	1,239	1,162	9,053	8,086	9	7	NM	NM
Arizona	287	161	78.5%	0	0	287	161	0	0	0	0
Colorado	3,797	3,356	13.2%	41	38	3,747	3,311	7	NM	NM	NM
Idaho	1,352	959	41.0%	65	0	1,287	959	0	0	0	0
Montana	853	681	25.3%	50	54	803	627	0	0	0	0
Nevada	132	0	--	0	0	132	0	0	0	0	0
New Mexico	1,256	1,238	1.4%	0	0	1,254	1,236	NM	NM	0	0
Utah	262	406	-35.5%	0	0	262	406	0	0	0	0
Wyoming	2,364	2,457	-3.8%	1,084	1,071	1,280	1,386	0	0	0	0
Pacific Contiguous	15,404	12,432	23.9%	3,053	3,048	12,348	9,383	NM	0	NM	0
California	7,544	5,384	40.1%	443	345	7,098	5,039	NM	0	NM	0
Oregon	3,984	3,189	24.9%	738	738	3,246	2,451	0	0	0	0
Washington	3,876	3,859	0.4%	1,873	1,966	2,003	1,893	0	0	0	0
Pacific Noncontiguous	294	195	50.8%	16	8	277	186	0	0	0	0
Alaska	56	8	560.5%	16	8	39	0	0	0	0	0
Hawaii	238	186	27.8%	0	0	238	186	0	0	0	0
U.S. Total	91,497	76,195	20.1%	13,883	12,506	77,557	63,642	38	33	18	14

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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, June 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	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	648	624	3.9%	57	46	383	393	NM	NM	199	175
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	308	332	-7.2%	0	0	150	148	NM	9	148	175
Massachusetts	149	NM	NM	0	0	NM	NM	0	0	51	0
New Hampshire	86	92	-7.3%	31	30	NM	62	0	0	0	NM
Rhode Island	11	11	-1.9%	0	0	11	11	0	0	0	0
Vermont	NM	31	NM	26	16	NM	NM	NM	NM	0	0
Middle Atlantic	462	446	3.7%	0	0	360	351	45	43	NM	NM
New Jersey	76	80	-4.9%	0	0	63	58	12	22	0	0
New York	193	168	14.6%	0	0	152	145	22	10	19	13
Pennsylvania	194	198	-2.1%	0	0	145	148	10	11	NM	NM
East North Central	455	477	-4.5%	49	42	261	285	NM	NM	NM	131
Illinois	55	56	-1.5%	0	0	55	56	0	NM	0	0
Indiana	29	29	0.0%	26	26	0	0	NM	2	NM	2
Michigan	187	204	-8.4%	NM	NM	115	140	NM	NM	NM	NM
Ohio	49	54	-9.1%	0	0	NM	NM	0	0	NM	27
Wisconsin	135	133	1.0%	NM	17	65	62	NM	NM	NM	53
West North Central	177	173	2.3%	44	38	86	86	NM	4	NM	45
Iowa	14	14	1.5%	NM	3	NM	8	NM	3	2	2
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	147	142	3.4%	34	27	72	71	NM	NM	NM	43
Missouri	NM	6	NM	NM	3	NM	2	0	0	NM	NM
Nebraska	NM	6	NM	NM	4	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	1,268	1,260	0.6%	102	81	388	393	NM	NM	748	757
Delaware	NM	10	NM	0	0	NM	10	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	368	374	-1.7%	8	8	172	194	NM	3	184	169
Georgia	287	280	2.4%	0	0	NM	NM	NM	2	241	265
Maryland	49	55	-10.7%	0	NM	33	36	NM	NM	12	14
North Carolina	187	196	-4.2%	0	0	81	83	0	0	106	113
South Carolina	162	151	7.5%	39	42	NM	2	0	0	122	108
Virginia	210	195	7.7%	55	NM	51	55	21	18	83	90
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	506	496	2.0%	NM	8	NM	20	0	0	NM	468
Alabama	NM	NM	NM	NM	NM	17	18	0	0	NM	255
Kentucky	NM	35	NM	NM	8	0	0	0	0	17	27
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	NM	86	NM	0	0	NM	2	0	0	NM	84
West South Central	520	510	2.0%	0	0	63	83	NM	3	454	423
Arkansas	NM	129	NM	0	0	NM	7	NM	NM	136	122
Louisiana	NM	197	NM	0	0	NM	6	0	0	207	191
Oklahoma	NM	24	NM	0	0	0	0	0	0	NM	24
Texas	141	159	-11.6%	0	0	52	70	NM	3	NM	86
Mountain	57	70	-18.5%	NM	2	20	34	0	NM	NM	NM
Arizona	NM	16	NM	NM	2	NM	NM	0	NM	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	NM	43	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	696	667	4.4%	30	32	379	380	95	89	193	165
California	514	516	-0.4%	17	20	345	350	92	87	60	59
Oregon	67	58	15.0%	NM	6	NM	NM	NM	2	32	28
Washington	116	93	24.7%	NM	6	NM	8	0	0	101	78
Pacific Noncontiguous	17	24	-29.6%	0	7	0	0	8	8	NM	9
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	17	24	-29.2%	0	7	0	0	8	8	NM	9
U.S. Total	4,807	4,746	1.3%	292	257	1,959	2,025	NM	NM	2,340	2,260

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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 June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	3,587	3,496	2.6%	320	263	2,176	2,227	NM	NM	1,036	952
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	1,597	1,760	-9.3%	0	0	773	756	NM	NM	769	952
Massachusetts	840	595	41.1%	0	0	573	594	0	NM	267	0
New Hampshire	529	542	-2.4%	171	164	357	378	0	0	NM	NM
Rhode Island	60	63	-4.1%	0	0	60	63	0	0	0	0
Vermont	229	186	23.0%	148	99	80	86	NM	NM	0	0
Middle Atlantic	2,578	2,663	-3.2%	0	0	1,983	2,060	253	252	NM	NM
New Jersey	437	458	-4.5%	0	0	361	329	76	129	0	0
New York	996	1,024	-2.8%	0	0	764	845	115	59	117	120
Pennsylvania	1,145	1,182	-3.1%	0	0	859	886	62	64	NM	NM
East North Central	2,756	2,853	-3.4%	279	274	1,584	1,640	NM	NM	796	835
Illinois	314	334	-5.8%	0	0	314	334	0	NM	0	0
Indiana	166	173	-3.7%	146	152	0	0	NM	10	NM	10
Michigan	1,126	1,186	-5.0%	NM	NM	747	782	NM	NM	NM	317
Ohio	316	342	-7.6%	0	0	151	156	0	0	NM	185
Wisconsin	834	819	1.8%	133	121	372	368	NM	NM	NM	323
West North Central	1,008	1,005	0.3%	243	228	492	506	25	26	249	245
Iowa	77	81	-5.8%	14	14	43	45	NM	15	4	7
Kansas	29	30	-4.3%	0	0	29	30	0	0	0	0
Minnesota	840	824	1.9%	187	170	408	419	NM	4	NM	231
Missouri	NM	NM	NM	17	17	11	12	0	0	NM	NM
Nebraska	32	33	-4.6%	25	26	0	0	NM	7	0	0
North Dakota	NM	4	NM	0	0	0	0	0	0	NM	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	7,395	7,478	-1.1%	464	460	2,238	2,278	169	161	4,525	4,578
Delaware	30	60	-48.9%	0	0	30	60	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,207	2,223	-0.7%	45	37	1,086	1,154	18	19	1,057	1,013
Georgia	1,666	1,637	1.8%	0	0	160	78	NM	12	1,494	1,547
Maryland	261	261	-0.2%	NM	NM	179	162	NM	31	59	68
North Carolina	1,151	1,159	-0.6%	0	0	499	511	0	0	653	648
South Carolina	959	1,085	-11.7%	224	255	NM	11	0	0	724	820
Virginia	1,120	1,053	6.4%	195	169	273	303	115	99	537	482
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	2,858	2,954	-3.3%	48	49	107	109	0	0	2,703	2,796
Alabama	NM	1,595	NM	NM	NM	97	99	0	0	NM	1,496
Kentucky	165	165	-0.3%	47	49	0	0	0	0	118	116
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	462	482	-4.2%	0	0	10	11	0	0	451	471
West South Central	2,982	2,924	2.0%	0	0	330	375	20	21	2,632	2,528
Arkansas	828	834	-0.7%	0	0	37	44	NM	NM	789	788
Louisiana	1,240	1,138	8.9%	0	0	36	38	0	0	1,203	NM
Oklahoma	142	145	-1.6%	0	0	0	0	0	0	142	145
Texas	771	806	-4.3%	0	0	257	293	17	19	497	495
Mountain	375	422	-11.2%	13	12	159	208	NM	NM	NM	200
Arizona	61	104	-41.6%	11	12	NM	90	NM	NM	0	0
Colorado	33	32	2.4%	1	0	32	32	0	0	0	0
Idaho	248	252	-1.5%	0	0	47	52	0	0	NM	200
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	5	NM	0	0	NM	5	0	0	0	0
Utah	28	29	-3.6%	0	0	28	29	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,212	4,112	2.4%	273	265	2,244	2,251	539	536	1,155	1,060
California	3,029	3,072	-1.4%	100	121	2,056	2,081	526	524	348	346
Oregon	411	327	25.6%	34	35	144	124	NM	12	220	155
Washington	771	713	8.2%	139	108	44	46	0	0	588	559
Pacific Noncontiguous	147	141	4.4%	12	11	0	0	82	72	54	58
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	146	139	4.8%	12	11	0	0	82	72	53	56
U.S. Total	27,897	28,049	-0.5%	1,651	1,562	11,314	11,654	1,241	1,229	13,691	13,603

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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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, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 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	265	276	-3.8%	22	21	244	254	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	NM	7	NM	0	0	NM	7	0	0	0	0
Montana	0	14	-100.0%	0	0	0	14	0	0	0	0
Nevada	231	228	1.6%	0	0	231	228	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	28	27	1.4%	22	21	NM	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,138	1,082	5.1%	71	71	1,066	1,011	0	0	0	0
California	1,128	1,082	4.2%	71	71	1,057	1,011	0	0	0	0
Oregon	10	0	--	0	0	10	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	24	22	9.2%	0	0	24	22	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	24	22	9.2%	0	0	24	22	0	0	0	0
U.S. Total	1,427	1,380	3.4%	93	92	1,334	1,288	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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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 1.19.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 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	1,621	1,528	6.1%	111	134	1,509	1,394	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	40	41	-2.6%	0	0	40	41	0	0	0	0
Montana	0	14	-100.0%	0	0	0	14	0	0	0	0
Nevada	1,434	1,304	10.0%	0	0	1,434	1,304	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	146	169	-13.5%	111	134	35	35	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,633	6,646	-0.2%	403	429	6,229	6,217	0	0	0	0
California	6,551	6,646	-1.4%	403	429	6,148	6,217	0	0	0	0
Oregon	82	0	--	0	0	82	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	133	131	1.6%	0	0	133	131	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	133	131	1.6%	0	0	133	131	0	0	0	0
U.S. Total	8,386	8,304	1.0%	515	563	7,871	7,742	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 1.20.A. Net Generation from Solar by State, by Sector, June 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 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	67	56	19.0%	NM	NM	51	44	NM	NM	NM	NM
New Jersey	53	46	15.0%	NM	NM	37	35	NM	NM	NM	NM
New York	6	6	-6.0%	0	0	6	6	0	NM	0	0
Pennsylvania	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
East North Central	NM	7	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	81	34	140.0%	22	16	52	17	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	27	23	18.2%	20	15	NM	8	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
North Carolina	37	NM	NM	NM	NM	32	NM	NM	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	0	--	0	0	NM	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	18	17	6.7%	0	0	18	17	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	18	17	6.7%	0	0	18	17	NM	0	0	0
Mountain	311	232	34.2%	32	17	273	207	NM	7	NM	NM
Arizona	172	105	63.6%	26	17	145	87	NM	NM	0	0
Colorado	21	24	-12.6%	0	0	20	22	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	76	60	28.4%	0	0	72	55	NM	5	NM	NM
New Mexico	42	43	-3.5%	NM	0	35	43	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	371	210	76.3%	50	36	311	170	NM	NM	NM	0
California	368	209	76.0%	49	35	309	169	NM	NM	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-38.8%	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	880	561	56.9%	113	78	733	465	33	16	NM	NM

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

Table 1.20.B. Net Generation from Solar
by State, by Sector, Year-to-Date through June 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	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	51	15	251.6%	NM	NM	46	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	43	12	257.6%	NM	NM	38	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	280	216	29.9%	26	27	216	172	33	11	NM	NM
New Jersey	216	169	27.8%	26	27	156	131	33	11	NM	NM
New York	28	29	-6.0%	0	0	27	28	NM	NM	0	0
Pennsylvania	36	17	113.9%	0	0	32	13	0	NM	NM	NM
East North Central	55	25	122.1%	NM	NM	47	24	NM	0	0	0
Illinois	29	7	314.4%	0	0	29	7	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	24	18	33.8%	NM	NM	16	17	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	315	158	99.7%	94	89	192	67	29	NM	0	0
Delaware	28	14	95.9%	NM	NM	27	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	121	116	4.1%	91	86	29	31	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	31	NM	NM	NM	NM	26	NM	NM	NM	0	0
North Carolina	133	21	536.4%	NM	NM	111	20	22	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	0	--	0	0	NM	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	82	57	43.6%	0	0	80	57	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	82	57	43.6%	0	0	80	57	NM	0	0	0
Mountain	1,448	756	91.5%	111	67	1,311	662	25	26	NM	NM
Arizona	807	309	161.5%	99	67	706	239	NM	NM	0	0
Colorado	90	80	12.2%	0	0	85	74	5	6	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	368	209	75.7%	0	0	350	191	17	18	NM	NM
New Mexico	182	157	15.6%	NM	0	170	157	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	1,427	663	115.1%	168	92	1,217	552	39	19	NM	0
California	1,414	658	115.0%	164	90	1,209	549	39	19	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-10.5%	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	3,677	1,891	94.4%	410	282	3,128	1,544	130	59	NM	NM

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

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2003-June 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
Year to Date					
2011	461,273	341,723	116,547	193	2,809
2012	377,815	283,479	91,782	154	2,400
2013	413,803	307,322	104,093	167	2,220
Rolling 12 Months Ending in June					
2012	851,479	631,072	214,775	308	5,325
2013	862,689	640,345	217,175	323	4,846

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-June 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
Year to Date					
2011	11,000	0	1,859	711	8,430
2012	10,155	0	1,729	634	7,792
2013	9,744	0	1,640	617	7,487
Rolling 12 Months Ending in June					
2012	20,687	0	3,498	1,243	15,946
2013	19,911	0	3,304	1,221	15,386

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-June 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
Year to Date					
2011	472,273	341,723	118,407	905	11,239
2012	387,970	283,479	93,511	788	10,192
2013	423,547	307,322	105,732	784	9,708
Rolling 12 Months Ending in June					
2012	872,167	631,072	218,272	1,551	21,272
2013	882,600	640,345	220,478	1,545	20,232

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-June 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
Year to Date					
2011	14,658	11,255	2,952	66	385
2012	11,072	8,745	1,929	55	343
2013	11,241	8,246	2,632	67	296
Rolling 12 Months Ending in June					
2012	23,740	18,334	4,610	NM	674
2013	22,692	17,260	4,714	NM	578

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2003-June 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
Year to Date					
2011	2,101	0	489	119	1,493
2012	1,404	0	451	55	898
2013	1,379	0	473	70	836
Rolling 12 Months Ending in June					
2012	3,128	0	966	NM	2,058
2013	2,685	0	972	NM	1,589

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-June 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
Year to Date					
2011	16,759	11,255	3,441	185	1,878
2012	12,476	8,745	2,380	110	1,241
2013	12,620	8,246	3,105	137	1,132
Rolling 12 Months Ending in June					
2012	26,868	18,334	5,576	NM	2,733
2013	25,378	17,260	5,685	NM	2,166

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-June 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
Year to Date					
2011	2,625	1,791	692	1	142
2012	1,765	1,073	362	0	330
2013	2,310	1,635	367	1	308
Rolling 12 Months Ending in June					
2012	4,153	2,731	947	1	474
2013	4,097	2,675	720	1	701

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2003-June 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
Year to Date					
2011	544	0	54	4	487
2012	641	0	57	4	579
2013	589	0	53	5	531
Rolling 12 Months Ending in June					
2012	1,176	0	115	6	1,055
2013	1,206	0	108	12	1,086

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-June 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
Year to Date					
2011	3,169	1,791	746	4	629
2012	2,406	1,073	420	4	909
2013	2,899	1,635	420	5	839
Rolling 12 Months Ending in June					
2012	5,328	2,731	1,062	7	1,529
2013	5,304	2,675	828	13	1,787

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 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2003-June 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
Year to Date					
2011	3,443,729	1,508,071	1,641,379	20,818	273,461
2012	4,547,741	1,964,434	2,267,520	24,603	291,185
2013	3,882,109	1,709,542	1,845,697	23,599	303,271
Rolling 12 Months Ending in June					
2012	8,987,877	3,902,449	4,445,248	50,955	589,225
2013	8,799,575	3,860,618	4,272,433	48,015	618,510

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.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2003-June 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
Year to Date					
2011	402,757	0	148,819	18,071	235,867
2012	447,025	0	162,732	22,533	261,761
2013	441,278	0	156,300	20,655	264,324
Rolling 12 Months Ending in June					
2012	883,949	0	322,582	44,318	517,049
2013	899,183	0	320,549	43,019	535,615

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-June 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
Year to Date					
2011	3,846,487	1,508,071	1,790,198	38,889	509,328
2012	4,994,766	1,964,434	2,430,252	47,136	552,945
2013	4,323,387	1,709,542	2,001,997	44,254	567,595
Rolling 12 Months Ending in June					
2012	9,871,826	3,902,449	4,767,830	95,273	1,106,274
2013	9,698,758	3,860,618	4,592,982	91,034	1,154,124

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	128	69	87.0%	27	12	100	56	0	0	1	NM
Connecticut	15	11	43.0%	0	0	15	11	0	0	0	0
Maine	1	1	-6.3%	0	0	0	0	0	0	1	0
Massachusetts	85	45	88.0%	0	0	85	45	0	0	NM	NM
New Hampshire	27	12	129.0%	27	12	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,986	3,716	7.3%	NM	NM	3,964	3,673	NM	NM	21	42
New Jersey	71	67	4.5%	0	0	71	67	0	0	0	0
New York	150	137	9.6%	NM	NM	143	131	0	0	6	5
Pennsylvania	3,766	3,512	7.2%	0	0	3,750	3,475	NM	NM	15	37
East North Central	16,296	15,761	3.4%	11,708	10,846	4,504	4,830	10	10	74	76
Illinois	4,284	4,205	1.9%	532	551	3,706	3,604	1	NM	45	49
Indiana	3,845	4,080	-5.8%	3,621	3,872	219	204	4	4	1	NM
Michigan	2,713	2,438	11.0%	2,685	2,414	19	18	3	4	6	3
Ohio	3,380	3,346	1.0%	2,814	2,335	560	1,004	NM	NM	5	5
Wisconsin	2,073	1,691	23.0%	2,056	1,674	0	0	NM	NM	17	17
West North Central	11,488	11,538	-0.4%	11,345	11,409	0	0	10	7	133	121
Iowa	1,850	1,831	1.0%	1,773	1,761	0	0	5	4	71	66
Kansas	1,543	1,632	-5.4%	1,543	1,632	0	0	0	0	0	0
Minnesota	1,034	1,028	0.5%	999	994	0	0	NM	NM	33	33
Missouri	3,838	3,869	-0.8%	3,832	3,866	0	0	3	2	3	2
Nebraska	1,313	1,189	10.0%	1,294	1,174	0	0	0	0	18	15
North Dakota	1,751	1,879	-6.8%	1,744	1,873	0	0	0	0	7	6
South Dakota	159	110	45.0%	159	110	0	0	0	0	0	0
South Atlantic	11,384	10,531	8.1%	9,395	8,844	1,939	1,637	1	1	50	49
Delaware	81	72	13.0%	0	0	81	72	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,008	1,841	9.0%	1,929	1,772	74	65	0	0	4	4
Georgia	2,227	2,010	11.0%	2,219	2,002	0	0	0	0	8	8
Maryland	696	541	29.0%	0	0	694	537	0	0	3	4
North Carolina	1,912	1,984	-3.6%	1,838	1,913	69	65	0	1	5	4
South Carolina	918	1,016	-9.7%	912	1,012	0	0	0	0	6	4
Virginia	966	621	56.0%	906	576	49	34	NM	NM	10	10
West Virginia	2,576	2,446	5.3%	1,590	1,569	972	863	0	0	14	14
East South Central	7,698	7,730	-0.4%	7,452	7,537	220	167	NM	NM	26	25
Alabama	2,159	2,227	-3.1%	2,154	2,221	0	3	0	0	4	4
Kentucky	3,270	3,543	-7.7%	3,270	3,543	0	0	0	0	0	0
Mississippi	619	374	66.0%	399	209	220	165	0	0	0	0
Tennessee	1,651	1,586	4.1%	1,628	1,564	0	0	NM	NM	22	21
West South Central	14,352	13,772	4.2%	7,314	7,160	7,020	6,572	0	0	18	40
Arkansas	1,683	1,585	6.2%	1,569	1,367	113	216	0	0	2	2
Louisiana	1,322	1,320	0.2%	646	716	676	603	0	0	NM	0
Oklahoma	1,525	1,730	-12.0%	1,414	1,613	95	102	0	0	16	15
Texas	9,822	9,138	7.5%	3,686	3,463	6,136	5,651	0	0	0	24
Mountain	9,458	8,471	12.0%	8,630	7,934	767	487	0	0	62	50
Arizona	2,021	1,813	11.0%	2,021	1,806	0	0	0	0	0	7
Colorado	1,523	1,666	-8.6%	1,520	1,662	3	3	0	0	0	0
Idaho	2	NM	NM	0	0	0	0	0	0	2	NM
Montana	650	399	63.0%	NM	NM	627	377	0	0	NM	NM
Nevada	311	75	312.0%	246	39	65	37	0	0	0	0
New Mexico	1,252	1,285	-2.6%	1,252	1,285	0	0	0	0	0	0
Utah	1,344	1,201	12.0%	1,265	1,143	NM	NM	0	0	43	25
Wyoming	2,356	2,030	16.0%	2,303	1,977	NM	NM	0	0	17	16
Pacific Contiguous	344	55	531.0%	207	0	130	47	0	0	7	7
California	62	54	15.0%	0	0	56	47	0	0	7	7
Oregon	207	0	--	207	0	0	0	0	0	0	0
Washington	75	0	NM	0	0	74	0	0	0	1	0
Pacific Noncontiguous	106	107	-0.7%	18	17	80	81	7	8	NM	NM
Alaska	42	42	0.0%	18	17	17	17	7	8	0	0
Hawaii	65	65	-1.2%	0	0	63	64	0	0	NM	NM
U.S. Total	75,241	71,750	4.9%	56,096	53,760	18,723	17,550	29	26	393	413

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 June 2013 and June 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	1,515	608	149.0%	402	236	1,105	366	0	0	8	5
Connecticut	207	33	533.0%	0	0	207	33	0	0	0	0
Maine	9	5	76.0%	0	0	4	3	0	0	4	2
Massachusetts	897	334	169.0%	0	0	894	331	0	0	3	3
New Hampshire	402	236	70.0%	402	236	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	23,416	20,143	16.0%	NM	NM	23,228	19,879	0	0	182	262
New Jersey	449	283	59.0%	0	0	449	283	0	0	0	0
New York	1,377	754	83.0%	NM	NM	1,337	717	0	0	34	35
Pennsylvania	21,590	19,107	13.0%	0	0	21,442	18,880	0	0	148	227
East North Central	93,953	85,033	10.0%	66,678	58,468	26,742	26,046	53	50	481	470
Illinois	25,029	22,994	8.8%	3,179	3,125	21,546	19,563	10	7	294	299
Indiana	22,123	21,901	1.0%	20,782	20,217	1,317	1,661	18	17	6	6
Michigan	15,189	13,595	12.0%	15,022	13,451	107	101	16	18	44	25
Ohio	20,290	18,323	11.0%	16,478	13,561	3,772	4,721	7	NM	34	35
Wisconsin	11,321	8,220	38.0%	11,217	8,114	0	0	2	1	103	104
West North Central	66,834	62,957	6.2%	66,031	62,190	0	0	52	40	751	727
Iowa	9,979	9,965	0.1%	9,551	9,558	0	0	26	21	401	385
Kansas	9,055	7,940	14.0%	9,055	7,940	0	0	0	0	0	0
Minnesota	6,576	6,101	7.8%	6,372	5,887	0	0	11	10	193	204
Missouri	21,847	19,989	9.3%	21,816	19,969	0	0	15	9	15	10
Nebraska	7,431	6,935	7.2%	7,329	6,845	0	0	0	0	102	90
North Dakota	10,980	11,206	-2.0%	10,941	11,168	0	0	0	0	39	38
South Dakota	966	822	17.0%	966	822	0	0	0	0	0	0
South Atlantic	55,142	53,597	2.9%	45,550	45,261	9,314	8,031	9	8	269	296
Delaware	315	256	23.0%	0	0	315	256	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	9,701	9,127	6.3%	9,440	8,805	240	299	0	0	22	23
Georgia	9,367	10,036	-6.7%	9,314	9,979	0	0	0	0	53	57
Maryland	3,106	2,607	19.0%	0	0	3,086	2,586	0	0	20	21
North Carolina	9,159	9,825	-6.8%	8,840	9,474	292	325	5	3	22	23
South Carolina	4,825	5,720	-16.0%	4,796	5,671	0	14	0	0	29	35
Virginia	4,482	2,730	64.0%	4,163	2,426	264	242	4	4	52	58
West Virginia	14,187	13,296	6.7%	8,998	8,906	5,118	4,310	0	0	71	80
East South Central	42,868	37,973	13.0%	41,341	36,463	1,363	1,355	3	2	161	153
Alabama	11,608	9,724	19.0%	11,582	9,691	0	9	0	0	25	24
Kentucky	19,575	18,513	5.7%	19,575	18,513	0	0	0	0	0	0
Mississippi	2,648	2,360	12.0%	1,285	1,014	1,363	1,346	0	0	0	0
Tennessee	9,037	7,375	23.0%	8,899	7,245	0	0	3	2	135	128
West South Central	71,855	67,192	6.9%	37,163	36,162	34,616	30,803	0	0	76	227
Arkansas	8,914	8,653	3.0%	7,813	7,382	1,087	1,259	0	0	14	12
Louisiana	6,955	6,241	11.0%	3,111	3,260	3,843	2,980	0	0	NM	NM
Oklahoma	8,617	8,832	-2.4%	8,058	8,305	498	455	0	0	62	72
Texas	47,369	43,466	9.0%	18,181	17,215	29,187	26,109	0	0	0	142
Mountain	55,178	48,634	13.0%	49,017	44,114	5,917	4,310	0	0	245	210
Arizona	11,201	10,197	9.8%	11,197	10,164	0	0	0	0	4	33
Colorado	9,277	8,956	3.6%	9,263	8,940	14	15	0	0	0	0
Idaho	9	7	16.0%	0	0	0	0	0	0	9	7
Montana	5,276	3,783	39.0%	137	133	5,135	3,647	0	0	4	NM
Nevada	1,414	587	141.0%	1,059	336	356	251	0	0	0	0
New Mexico	7,181	6,682	7.5%	7,181	6,682	0	0	0	0	0	0
Utah	7,465	6,295	19.0%	7,151	6,065	185	166	0	0	129	64
Wyoming	13,356	12,127	10.0%	13,029	11,794	227	232	0	0	99	102
Pacific Contiguous	2,494	1,047	138.0%	1,051	477	1,401	529	0	0	42	42
California	219	298	-27.0%	0	0	180	261	0	0	39	37
Oregon	1,051	477	120.0%	1,051	477	0	0	0	0	0	0
Washington	1,224	272	349.0%	0	0	1,220	268	0	0	3	5
Pacific Noncontiguous	548	630	-13.0%	84	105	407	462	50	55	7	8
Alaska	235	267	-12.0%	84	105	101	107	50	55	0	0
Hawaii	313	363	-14.0%	0	0	306	355	0	0	7	8
U.S. Total	413,803	377,815	9.5%	307,322	283,479	104,093	91,782	167	154	2,220	2,400

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, June 2013 and June 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	59	181	-67.0%	12	NM	40	160	5	12	2	2
Connecticut	12	70	-82.0%	NM	NM	11	69	NM	0	NM	NM
Maine	12	28	-57.0%	NM	NM	11	26	NM	NM	1	2
Massachusetts	25	74	-66.0%	5	NM	18	65	NM	NM	1	NM
New Hampshire	5	NM	NM	4	1	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	170	221	-23.0%	66	108	96	106	2	NM	5	NM
New Jersey	4	NM	NM	NM	NM	4	6	NM	NM	NM	NM
New York	132	155	-15.0%	66	107	60	42	NM	NM	5	5
Pennsylvania	33	59	-44.0%	NM	NM	32	59	0	NM	NM	NM
East North Central	120	128	-6.4%	104	111	14	15	NM	NM	2	NM
Illinois	13	NM	NM	5	NM	8	7	NM	NM	NM	NM
Indiana	26	NM	NM	24	21	NM	NM	NM	NM	2	NM
Michigan	35	NM	NM	35	NM	0	0	NM	NM	0	0
Ohio	42	61	-31.0%	36	53	6	8	NM	NM	0	1
Wisconsin	5	NM	NM	4	NM	0	0	NM	NM	NM	NM
West North Central	49	73	-33.0%	48	72	NM	NM	NM	NM	NM	NM
Iowa	13	30	-57.0%	13	30	NM	NM	NM	NM	NM	NM
Kansas	12	NM	NM	12	NM	0	0	0	0	0	0
Minnesota	4	NM	NM	3	NM	0	NM	NM	NM	NM	NM
Missouri	11	NM	NM	11	NM	NM	NM	NM	NM	0	0
Nebraska	2	NM	NM	2	NM	0	0	0	0	0	0
North Dakota	6	6	3.1%	6	6	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	232	492	-53.0%	180	417	38	65	NM	NM	14	10
Delaware	9	7	23.0%	NM	NM	9	7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	60	266	-77.0%	59	250	NM	14	0	0	1	2
Georgia	21	19	12.0%	12	15	NM	NM	NM	NM	9	NM
Maryland	12	34	-66.0%	NM	NM	11	32	NM	NM	0	0
North Carolina	22	26	-16.0%	21	23	NM	NM	NM	NM	NM	NM
South Carolina	15	21	-29.0%	13	20	0	0	NM	NM	2	1
Virginia	64	95	-32.0%	45	82	18	NM	NM	0	1	2
West Virginia	29	25	18.0%	29	25	0	0	0	0	0	0
East South Central	59	78	-24.0%	55	72	NM	NM	0	0	3	5
Alabama	12	23	-46.0%	9	18	NM	NM	0	0	3	4
Kentucky	21	24	-14.0%	21	24	0	0	0	0	0	0
Mississippi	3	NM	NM	2	NM	0	0	0	0	0	1
Tennessee	23	28	-19.0%	23	28	0	0	0	0	NM	NM
West South Central	27	63	-57.0%	12	NM	14	53	NM	NM	NM	NM
Arkansas	7	NM	NM	2	2	5	1	0	0	NM	NM
Louisiana	5	6	-18.0%	3	NM	2	4	0	0	1	1
Oklahoma	3	NM	NM	3	NM	0	0	NM	NM	0	0
Texas	12	53	-77.0%	5	NM	7	49	NM	NM	NM	NM
Mountain	35	46	-25.0%	28	NM	7	8	NM	NM	NM	NM
Arizona	5	NM	NM	5	5	0	0	NM	NM	0	NM
Colorado	2	NM	NM	2	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	7	5	22.0%	NM	NM	7	5	0	0	0	0
Nevada	3	NM	NM	3	NM	0	2	0	0	0	0
New Mexico	7	6	13.0%	7	6	NM	NM	0	0	0	0
Utah	5	NM	NM	5	NM	0	NM	0	0	0	0
Wyoming	6	17	-61.0%	6	16	0	0	0	0	NM	NM
Pacific Contiguous	13	17	-22.0%	6	NM	4	NM	NM	NM	3	4
California	5	NM	NM	4	NM	1	5	NM	NM	NM	NM
Oregon	1	1	59.0%	1	1	0	0	NM	NM	0	0
Washington	6	4	47.0%	NM	NM	4	NM	NM	NM	3	3
Pacific Noncontiguous	903	1,075	-16.0%	780	933	115	117	NM	NM	7	NM
Alaska	85	NM	NM	80	NM	0	0	NM	NM	5	NM
Hawaii	818	928	-12.0%	700	796	115	117	0	0	2	15
U.S. Total	1,667	2,375	-30.0%	1,290	1,776	330	529	9	NM	38	54

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	992	455	118.0%	169	NM	760	337	44	32	20	23
Connecticut	295	123	140.0%	3	NM	290	117	NM	0	NM	NM
Maine	277	107	159.0%	NM	NM	262	82	NM	NM	10	22
Massachusetts	283	167	69.0%	75	NM	183	138	17	13	8	NM
New Hampshire	86	32	165.0%	79	27	NM	NM	7	5	NM	NM
Rhode Island	35	NM	NM	7	NM	24	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	1,225	601	104.0%	417	176	753	378	NM	NM	41	37
New Jersey	99	24	317.0%	NM	NM	97	20	NM	NM	NM	NM
New York	849	346	145.0%	415	173	384	130	NM	NM	38	34
Pennsylvania	276	231	20.0%	NM	NM	272	228	1	NM	NM	NM
East North Central	626	622	0.7%	518	525	94	81	NM	NM	12	NM
Illinois	72	63	14.0%	24	NM	48	41	NM	NM	NM	NM
Indiana	134	116	15.0%	126	108	NM	NM	NM	NM	8	NM
Michigan	158	158	0.0%	154	154	0	0	NM	NM	3	2
Ohio	225	251	-11.0%	180	211	44	39	NM	NM	1	1
Wisconsin	37	34	11.0%	34	32	3	1	NM	NM	NM	NM
West North Central	324	350	-7.4%	319	340	2	NM	NM	NM	2	NM
Iowa	88	115	-23.0%	87	113	1	NM	NM	NM	NM	NM
Kansas	62	NM	NM	62	NM	0	0	0	0	0	0
Minnesota	23	NM	NM	20	NM	1	5	NM	NM	1	NM
Missouri	81	88	-8.2%	81	88	NM	NM	NM	NM	0	0
Nebraska	27	27	-0.7%	27	27	0	0	0	0	0	0
North Dakota	31	38	-17.0%	31	37	0	0	NM	NM	1	NM
South Dakota	12	NM	NM	12	NM	NM	NM	NM	NM	0	0
South Atlantic	1,438	1,684	-15.0%	1,117	1,287	227	299	NM	NM	91	95
Delaware	30	23	28.0%	NM	NM	29	23	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	486	662	-27.0%	468	595	NM	58	0	0	7	9
Georgia	134	135	-0.8%	76	77	NM	NM	1	NM	56	54
Maryland	144	130	10.0%	6	NM	137	116	NM	NM	0	6
North Carolina	203	224	-9.4%	190	214	7	NM	NM	NM	6	7
South Carolina	91	122	-25.0%	82	113	0	0	NM	NM	9	9
Virginia	233	236	-1.5%	179	152	40	73	1	1	13	10
West Virginia	118	126	-6.4%	116	126	2	0	0	0	0	0
East South Central	334	384	-13.0%	313	365	1	NM	0	0	20	17
Alabama	80	87	-7.6%	62	70	1	NM	0	0	17	15
Kentucky	114	115	-0.4%	114	115	0	0	0	0	0	0
Mississippi	15	15	-2.5%	13	NM	0	0	0	0	2	2
Tennessee	124	168	-26.0%	123	167	0	0	0	0	NM	NM
West South Central	190	261	-27.0%	62	69	110	179	NM	NM	17	12
Arkansas	33	29	15.0%	13	18	19	10	0	0	NM	1
Louisiana	52	37	41.0%	14	13	22	15	0	0	15	9
Oklahoma	10	14	-30.0%	9	13	0	0	NM	NM	0	0
Texas	95	182	-48.0%	25	25	68	155	NM	NM	NM	NM
Mountain	210	227	-7.8%	190	203	19	24	NM	NM	NM	NM
Arizona	41	44	-7.4%	41	43	0	0	NM	NM	NM	NM
Colorado	15	NM	NM	15	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	15	16	-7.3%	NM	NM	15	15	0	0	0	0
Nevada	15	20	-23.0%	12	14	3	6	0	0	0	0
New Mexico	50	44	15.0%	49	41	NM	NM	0	0	0	0
Utah	35	NM	NM	35	NM	NM	NM	0	0	0	0
Wyoming	38	48	-20.0%	38	48	0	0	0	0	NM	NM
Pacific Contiguous	78	90	-13.0%	36	40	16	25	NM	NM	25	24
California	41	53	-22.0%	27	29	7	22	NM	NM	7	NM
Oregon	NM	4	NM	7	4	0	0	NM	NM	0	0
Washington	30	32	-7.4%	NM	NM	9	NM	NM	NM	18	21
Pacific Noncontiguous	5,825	6,397	-8.9%	5,104	5,678	650	596	4	NM	68	119
Alaska	630	856	-26.0%	592	806	0	0	NM	NM	36	NM
Hawaii	5,196	5,541	-6.2%	4,512	4,872	650	596	2	2	32	71
U.S. Total	11,241	11,072	1.5%	8,246	8,745	2,632	1,929	67	55	296	343

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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, June 2013 and June 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 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	83	84	-0.9%	30	43	47	37	0	0	6	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	24	40	-41.0%	24	40	0	0	0	0	0	0
Michigan	5	4	33.0%	0	0	3	3	0	0	NM	NM
Ohio	44	34	31.0%	0	0	44	34	0	0	0	0
Wisconsin	11	7	64.0%	7	3	0	0	0	0	4	4
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	118	8	NM	116	4	0	0	0	0	2	4
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	116	4	NM	116	4	0	0	0	0	0	0
Georgia	2	4	-54.0%	0	0	0	0	0	0	2	4
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	45	55	-19.0%	45	55	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	45	55	-19.0%	45	55	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	210	109	92.0%	157	67	5	2	0	0	48	40
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	167	70	138.0%	157	67	0	0	0	0	10	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	44	39	11.0%	0	0	5	2	0	0	38	37
Mountain	8	5	71.0%	0	0	8	5	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	8	5	71.0%	0	0	8	5	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	470	265	78.0%	348	169	63	46	0	0	59	50

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 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through June 2013 and June 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 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	11	6	72.0%	0	0	0	0	0	0	11	6
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	8	6	27.0%	0	0	0	0	0	0	8	6
East North Central	477	365	31.0%	179	149	270	191	0	0	29	26
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	170	130	31.0%	170	130	0	0	0	0	0	0
Michigan	25	22	14.0%	0	0	18	17	0	0	8	5
Ohio	252	174	45.0%	0	0	252	174	0	0	0	0
Wisconsin	30	39	-24.0%	9	19	0	0	0	0	21	21
West North Central	1	5	-89.0%	0	5	0	0	1	0	0	0
Iowa	1	5	-89.0%	0	5	0	0	1	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	362	164	120.0%	341	135	0	0	0	0	21	30
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	341	135	152.0%	341	135	0	0	0	0	0	0
Georgia	21	30	-28.0%	0	0	0	0	0	0	21	30
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	255	235	8.7%	255	235	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	255	235	8.7%	255	235	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	1,112	820	36.0%	861	549	5	2	0	0	246	269
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	897	574	56.0%	861	549	0	0	0	0	36	25
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	216	246	-12.0%	0	0	5	2	0	0	210	243
Mountain	83	81	1.6%	0	0	83	81	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	83	81	1.6%	0	0	83	81	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	88	NM	0	0	NM	88	0	0	0	0
California	NM	88	NM	0	0	NM	88	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	2,310	1,765	31.0%	1,635	1,073	367	362	1	0	308	330

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, June 2013 and June 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	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	33,578	40,270	-17.0%	233	433	31,244	37,601	516	524	1,585	1,712
Connecticut	8,873	9,957	-11.0%	4	NM	8,562	9,519	NM	NM	147	188
Maine	3,096	3,427	-9.7%	0	0	1,775	2,066	NM	NM	1,319	1,360
Massachusetts	14,081	16,778	-16.0%	225	252	13,437	16,091	309	281	NM	154
New Hampshire	2,944	4,475	-34.0%	0	107	2,935	4,358	0	0	NM	NM
Rhode Island	4,580	5,629	-19.0%	0	0	4,535	5,567	NM	NM	0	0
Vermont	4	3	21.0%	4	3	0	0	0	0	0	0
Middle Atlantic	87,365	102,785	-15.0%	12,320	14,125	73,755	87,146	570	631	721	883
New Jersey	18,434	21,243	-13.0%	0	0	18,073	20,826	NM	NM	278	347
New York	41,083	48,058	-15.0%	12,315	14,114	28,196	33,292	440	498	132	153
Pennsylvania	27,848	33,484	-17.0%	NM	NM	27,486	33,027	NM	NM	311	383
East North Central	34,638	68,857	-50.0%	12,911	25,734	20,509	41,510	566	728	653	885
Illinois	3,600	12,039	-70.0%	513	1,841	2,659	9,627	216	304	212	267
Indiana	5,351	11,124	-52.0%	3,103	8,387	1,941	2,416	NM	NM	284	291
Michigan	7,633	19,180	-60.0%	2,418	5,636	5,003	13,227	132	NM	81	194
Ohio	13,335	15,985	-17.0%	4,386	4,236	8,749	11,502	NM	NM	NM	NM
Wisconsin	4,719	10,529	-55.0%	2,490	5,634	2,157	4,738	NM	NM	39	NM
West North Central	10,969	22,853	-52.0%	9,320	19,486	1,366	3,056	181	NM	101	NM
Iowa	755	2,281	-67.0%	745	2,270	NM	NM	NM	NM	NM	5
Kansas	3,120	4,179	-25.0%	3,100	4,169	0	0	0	0	NM	NM
Minnesota	2,976	7,092	-58.0%	2,287	5,892	565	1,051	79	NM	45	NM
Missouri	3,563	7,373	-52.0%	2,661	5,261	801	2,005	99	105	NM	NM
Nebraska	449	1,535	-71.0%	427	1,505	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	171,097	189,037	-9.5%	135,150	144,085	33,303	42,432	255	194	2,390	2,326
Delaware	5,463	5,990	-8.8%	NM	NM	4,454	5,151	0	0	992	812
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	97,017	103,991	-6.7%	88,202	94,258	8,026	8,884	NM	NM	768	828
Georgia	26,480	32,678	-19.0%	18,769	18,257	7,316	14,131	0	0	395	289
Maryland	2,465	4,636	-47.0%	0	0	2,281	4,305	NM	NM	NM	164
North Carolina	17,453	13,476	30.0%	11,294	11,460	6,091	1,962	0	4	69	NM
South Carolina	9,475	9,488	-0.1%	8,046	8,602	1,378	837	NM	NM	49	47
Virginia	12,440	18,476	-33.0%	8,817	11,370	3,540	6,976	0	0	83	130
West Virginia	227	199	14.0%	6	8	217	186	0	0	NM	NM
East South Central	60,497	82,858	-27.0%	33,592	44,498	24,648	37,264	NM	NM	2,178	1,006
Alabama	29,784	39,081	-24.0%	8,013	10,004	21,103	28,412	0	0	668	666
Kentucky	1,077	3,524	-69.0%	708	3,015	242	367	0	0	126	142
Mississippi	26,544	33,161	-20.0%	21,857	24,489	3,303	8,485	NM	NM	1,374	177
Tennessee	3,093	7,092	-56.0%	3,014	6,991	0	0	NM	NM	10	21
West South Central	225,178	268,743	-16.0%	79,070	94,586	108,990	136,335	380	377	36,738	37,444
Arkansas	10,006	13,727	-27.0%	3,016	3,295	6,905	10,346	NM	NM	85	87
Louisiana	42,134	51,751	-19.0%	19,653	26,811	6,696	9,016	NM	NM	15,763	15,901
Oklahoma	26,225	35,819	-27.0%	19,029	24,649	7,124	11,102	NM	NM	NM	NM
Texas	146,812	167,446	-12.0%	37,371	39,832	88,265	105,871	335	334	20,841	21,409
Mountain	62,534	63,896	-2.1%	36,671	38,844	25,165	24,355	NM	185	NM	512
Arizona	23,687	25,075	-5.5%	9,441	12,254	14,202	12,769	NM	49	0	NM
Colorado	8,830	8,398	5.1%	5,055	4,740	3,753	3,635	2	6	NM	NM
Idaho	1,611	441	265.0%	1,329	393	270	NM	0	0	12	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	17,554	17,829	-1.5%	13,398	12,559	3,959	5,070	NM	54	NM	146
New Mexico	7,116	7,086	0.4%	4,831	4,819	2,162	2,144	NM	75	NM	NM
Utah	3,431	4,599	-25.0%	2,521	3,861	797	649	NM	NM	NM	88
Wyoming	221	291	-24.0%	NM	NM	NM	NM	0	0	188	197
Pacific Contiguous	77,244	68,831	12.0%	25,868	22,166	43,794	39,059	NM	1,162	6,370	6,444
California	69,402	66,520	4.3%	21,257	21,332	40,639	37,668	NM	1,127	6,320	6,393
Oregon	3,648	1,264	188.0%	819	78	2,782	1,131	NM	NM	22	NM
Washington	4,194	1,047	301.0%	3,791	756	373	260	NM	NM	28	22
Pacific Noncontiguous	2,870	3,238	-11.0%	2,821	3,187	0	0	NM	NM	NM	NM
Alaska	2,870	3,238	-11.0%	2,821	3,187	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	765,969	911,369	-16.0%	347,954	407,145	362,775	448,758	3,934	4,118	51,306	51,347

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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 June 2013 and June 2012 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	176,306	208,631	-15.0%	1,242	1,425	162,596	194,276	3,024	3,188	9,444	9,741
Connecticut	54,598	50,173	8.8%	NM	NM	52,468	47,744	970	1,053	875	956
Maine	18,030	20,716	-13.0%	0	0	10,145	12,679	NM	NM	7,877	8,029
Massachusetts	70,884	82,540	-14.0%	795	825	67,668	79,181	1,784	1,838	637	696
New Hampshire	11,846	25,476	-54.0%	141	162	11,650	25,254	0	0	NM	NM
Rhode Island	20,926	29,706	-30.0%	0	0	20,664	29,418	262	288	0	0
Vermont	22	20	11.0%	22	20	0	0	0	0	0	0
Middle Atlantic	462,952	510,977	-9.4%	59,155	61,612	395,568	440,687	3,745	3,607	4,483	5,071
New Jersey	91,446	99,259	-7.9%	0	0	89,265	96,856	446	388	1,735	2,016
New York	205,947	221,792	-7.1%	59,135	61,581	142,967	156,405	3,020	2,914	826	892
Pennsylvania	165,559	189,926	-13.0%	NM	NM	163,337	187,426	NM	NM	1,922	2,163
East North Central	215,086	334,108	-36.0%	79,645	123,588	127,073	200,596	3,960	4,522	4,408	5,402
Illinois	24,641	44,899	-45.0%	2,486	6,763	19,207	34,873	1,690	1,892	1,257	1,371
Indiana	35,141	61,139	-43.0%	23,629	47,793	9,642	11,228	139	153	1,731	1,965
Michigan	47,536	96,563	-51.0%	11,432	21,814	34,311	72,408	963	1,025	831	1,316
Ohio	78,279	84,835	-7.7%	25,961	21,630	51,119	61,877	972	1,063	227	265
Wisconsin	29,489	46,672	-37.0%	16,137	25,589	12,794	20,210	196	389	362	485
West North Central	58,945	76,428	-23.0%	49,272	64,727	7,964	9,516	1,000	1,595	710	590
Iowa	4,386	5,550	-21.0%	4,285	5,498	NM	NM	NM	NM	NM	23
Kansas	11,390	15,437	-26.0%	11,349	15,388	0	0	0	0	NM	NM
Minnesota	22,751	27,373	-17.0%	18,895	22,741	2,882	3,499	644	921	331	212
Missouri	18,259	24,103	-24.0%	12,838	17,440	5,082	6,016	328	634	NM	NM
Nebraska	1,234	2,917	-58.0%	1,035	2,672	0	0	NM	NM	190	234
North Dakota	59	59	0.0%	NM	0	0	0	0	0	55	59
South Dakota	866	988	-12.0%	866	988	0	0	0	0	0	0
South Atlantic	887,828	971,521	-8.6%	709,843	736,658	162,545	223,112	1,526	1,158	13,914	10,593
Delaware	25,139	30,309	-17.0%	NM	NM	19,532	27,464	0	0	5,532	2,744
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	493,451	553,965	-11.0%	454,640	500,434	34,020	48,651	NM	NM	4,687	4,765
Georgia	141,025	142,717	-1.2%	105,760	80,260	32,934	61,013	0	0	2,331	1,445
Maryland	10,421	26,725	-61.0%	0	0	9,312	25,042	933	1,019	176	664
North Carolina	94,642	71,575	32.0%	62,270	59,361	32,018	11,898	10	17	344	298
South Carolina	45,109	54,249	-17.0%	40,888	44,744	3,853	9,227	NM	NM	362	271
Virginia	76,247	90,363	-16.0%	45,996	51,100	29,788	38,879	0	0	463	384
West Virginia	1,319	1,058	25.0%	213	99	1,087	939	0	0	NM	20
East South Central	312,417	416,234	-25.0%	171,706	228,359	127,375	181,546	474	514	12,861	5,815
Alabama	164,959	205,999	-20.0%	50,285	54,228	110,341	147,967	0	0	4,333	3,805
Kentucky	8,984	19,440	-54.0%	6,805	17,147	1,411	1,442	0	0	768	851
Mississippi	119,982	162,163	-26.0%	96,657	128,924	15,623	32,137	NM	NM	7,645	1,042
Tennessee	18,491	28,632	-35.0%	17,960	28,060	0	0	417	454	114	118
West South Central	1,054,864	1,265,381	-17.0%	308,151	397,158	527,153	653,764	1,954	2,036	217,606	212,422
Arkansas	46,609	61,455	-24.0%	5,275	11,152	40,568	49,682	NM	NM	763	618
Louisiana	199,226	238,928	-17.0%	86,166	110,401	27,560	39,656	NM	NM	85,375	88,740
Oklahoma	115,282	161,551	-29.0%	88,539	113,635	26,266	47,523	NM	NM	361	281
Texas	693,747	803,447	-14.0%	128,171	161,971	432,759	516,903	1,710	1,790	131,107	122,783
Mountain	260,982	296,172	-12.0%	160,865	181,161	95,447	109,682	980	1,030	3,690	4,299
Arizona	72,384	103,715	-30.0%	32,661	51,330	39,441	52,062	NM	286	NM	NM
Colorado	39,513	41,012	-3.7%	21,914	24,753	17,491	16,145	7	7	NM	NM
Idaho	8,944	4,983	79.0%	3,887	942	4,848	3,822	0	0	209	219
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	82,889	83,536	-0.8%	62,905	60,609	18,877	21,751	NM	308	810	868
New Mexico	33,389	34,673	-3.7%	21,447	21,459	11,265	12,502	NM	427	NM	NM
Utah	21,599	25,717	-16.0%	17,441	21,227	3,412	3,255	NM	NM	745	1,232
Wyoming	1,734	1,834	-5.4%	NM	NM	NM	NM	0	0	1,542	1,550
Pacific Contiguous	433,491	446,194	-2.8%	150,813	148,162	239,975	254,341	6,924	6,938	35,779	36,753
California	368,835	395,826	-6.8%	117,139	125,162	209,761	227,746	6,684	6,630	35,250	36,288
Oregon	41,218	35,481	16.0%	13,227	11,028	27,464	23,926	228	277	299	251
Washington	23,438	14,887	57.0%	20,446	11,972	2,750	2,669	12	32	229	214
Pacific Noncontiguous	19,238	22,097	-13.0%	18,850	21,582	0	0	NM	NM	376	499
Alaska	19,238	22,097	-13.0%	18,850	21,582	0	0	NM	NM	376	499
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,882,109	4,547,741	-15.0%	1,709,542	1,964,434	1,845,697	2,267,520	23,599	24,603	303,271	291,185

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

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, June 2013 and 2012

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	June 2013	June 2012	Percentage Change	June 2013	June 2012	Percentage Change	June 2013	June 2012	Percentage Change
New England	1,221	1,314	-7.1%	2,079	2,259	-8.0%	0	0	--
Connecticut	W	W	W	777	942	-18.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	692	696	-0.6%	830	863	-3.9%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	49	50	-2.2%	0	0	--
Middle Atlantic	6,644	9,079	-27.0%	5,164	6,445	-20.0%	W	W	W
New Jersey	885	863	2.5%	960	1,119	-14.0%	0	0	--
New York	610	718	-15.0%	3,306	4,221	-22.0%	0	0	--
Pennsylvania	5,149	7,498	-31.0%	899	1,105	-19.0%	W	W	W
East North Central	31,268	40,377	-23.0%	1,241	1,466	-15.0%	W	W	W
Illinois	6,106	8,966	-32.0%	112	124	-9.9%	0	0	--
Indiana	8,824	10,436	-15.0%	115	122	-5.1%	0	0	--
Michigan	5,965	6,257	-4.7%	494	608	-19.0%	W	W	W
Ohio	6,203	8,388	-26.0%	280	336	-17.0%	W	W	W
Wisconsin	4,171	6,331	-34.0%	240	277	-13.0%	W	W	W
West North Central	28,138	31,795	-12.0%	972	1,246	-22.0%	0	0	--
Iowa	7,961	8,426	-5.5%	148	160	-7.6%	0	0	--
Kansas	3,609	4,688	-23.0%	148	257	-42.0%	0	0	--
Minnesota	3,011	2,977	1.1%	152	178	-14.0%	0	0	--
Missouri	8,859	10,171	-13.0%	299	326	-8.4%	0	0	--
Nebraska	3,063	3,591	-15.0%	121	202	-40.0%	0	0	--
North Dakota	W	W	W	33	36	-7.1%	0	0	--
South Dakota	W	W	W	71	88	-20.0%	0	0	--
South Atlantic	36,783	40,544	-9.3%	13,245	13,843	-4.3%	W	W	W
Delaware	W	W	W	388	402	-3.3%	0	0	--
District of Columbia	0	0	--	0	W	W	0	0	--
Florida	W	W	W	6,930	7,403	-6.4%	W	W	W
Georgia	9,063	9,394	-3.5%	918	941	-2.5%	0	0	--
Maryland	1,443	1,960	-26.0%	749	785	-4.5%	0	0	--
North Carolina	6,606	7,055	-6.4%	1,099	1,047	5.0%	0	0	--
South Carolina	5,845	7,095	-18.0%	648	640	1.2%	W	W	W
Virginia	1,548	1,927	-20.0%	2,367	2,464	-4.0%	0	0	--
West Virginia	6,592	6,426	2.6%	147	W	W	W	W	W
East South Central	17,665	20,420	-13.0%	2,047	1,927	6.2%	W	W	W
Alabama	4,945	6,440	-23.0%	310	302	2.8%	0	0	--
Kentucky	7,793	8,388	-7.1%	267	256	4.3%	W	W	W
Mississippi	1,689	1,880	-10.0%	567	561	1.0%	0	0	--
Tennessee	3,238	3,711	-13.0%	903	808	12.0%	0	0	--
West South Central	28,587	30,347	-5.8%	2,474	2,459	0.6%	W	134	W
Arkansas	3,479	3,924	-11.0%	244	171	43.0%	0	0	--
Louisiana	3,643	4,334	-16.0%	656	662	-0.8%	W	W	W
Oklahoma	4,890	4,778	2.3%	202	190	6.7%	0	0	--
Texas	16,576	17,312	-4.3%	1,371	1,437	-4.6%	W	W	W
Mountain	18,678	20,203	-7.5%	717	702	2.0%	W	W	W
Arizona	3,661	3,926	-6.8%	215	228	-5.9%	0	0	--
Colorado	3,835	4,046	-5.2%	150	141	6.4%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	892	W	W	179	181	-0.6%	0	0	--
New Mexico	W	W	W	62	56	9.9%	0	0	--
Utah	4,840	4,554	6.3%	54	42	29.0%	0	0	--
Wyoming	3,449	3,861	-11.0%	33	35	-5.1%	0	0	--
Pacific Contiguous	W	W	W	381	390	-2.3%	3	W	W
California	W	W	W	191	209	-8.6%	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	2,806	2,815	-0.3%	0	0	--
Alaska	W	W	W	276	262	5.2%	0	0	--
Hawaii	W	W	W	2,530	2,553	-0.9%	0	0	--
U.S. Total	170,751	197,052	-13.0%	31,124	33,553	-7.2%	409	519	-21.0%

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, June 2013 and 2012

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**June 2013**	**June 2012**	**Percentage Change**	**June 2013**	**June 2012**	**June 2013**	**June 2012**
Coal (Thousand Tons)							
New England	1,221	1,314	-7.1%	W	W	W	W
Middle Atlantic	6,644	9,079	-26.8%	W	W	W	W
East North Central	31,268	40,377	-22.6%	24,906	30,691	6,362	9,686
West North Central	28,138	31,795	-11.5%	28,138	31,795	0	0
South Atlantic	36,783	40,544	-9.3%	33,065	36,525	3,718	4,019
East South Central	17,665	20,420	-13.5%	W	20,420	W	0
West South Central	28,587	30,347	-5.8%	16,745	18,257	11,842	12,091
Mountain	18,678	20,203	-7.5%	17,526	W	1,152	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**170,751**	**197,052**	**-13.3%**	**139,640**	**158,611**	**31,111**	**38,441**
Petroleum Liquids (Thousand Barrels)							
New England	2,079	2,259	-8.0%	409	479	1,670	1,780
Middle Atlantic	5,164	6,445	-19.9%	2,260	2,850	2,904	3,595
East North Central	1,241	1,466	-15.4%	1,022	W	219	W
West North Central	972	1,246	-22.1%	944	1,216	28	31
South Atlantic	13,245	13,843	-4.3%	10,995	11,559	2,250	2,283
East South Central	2,047	1,927	6.2%	W	W	W	W
West South Central	2,474	2,459	0.6%	1,877	1,869	597	590
Mountain	717	702	2.0%	W	W	W	W
Pacific Contiguous	381	390	-2.3%	340	W	40	W
Pacific Noncontiguous	2,806	2,815	-0.3%	W	W	W	W
U.S. Total	**31,124**	**33,553**	**-7.2%**	**23,279**	**24,833**	**7,845**	**8,720**
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	134	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	**409**	**519**	**-21.1%**	**303**	**287**	**107**	**232**

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 - June 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

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 - June 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
Year to Date												
2011	9,082,918	463,771	2.37	46.41	1.18	98.2	118,446	19,660	19.13	115.27	0.64	117.3
2012	7,926,146	408,180	2.42	46.90	1.28	105.2	75,353	12,631	22.29	132.99	0.53	101.2
2013	7,529,214	387,545	2.36	45.79	1.31	91.5	57,371	9,450	20.82	126.44	0.48	74.9
Rolling 12 Months Ending in June												
2012	17,519,071	900,947	2.41	46.89	1.23	103.3	173,659	29,128	21.51	128.26	0.53	108.4
2013	16,062,235	829,032	2.38	46.05	1.27	93.9	133,834	22,303	21.13	126.68	0.50	87.9

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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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - June 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
Year to Date												
2011	75,777	2,645	3.06	87.73	4.89	83.5	4,090,075	4,005,869	4.99	5.09	104.1	3.32
2012	67,313	2,346	2.63	75.41	5.34	97.5	5,242,734	5,128,670	3.09	3.16	102.7	2.79
2013	61,364	2,156	2.48	70.54	5.39	74.4	3,976,873	3,878,736	4.46	4.57	89.7	3.13
Rolling 12 Months Ending in June												
2012	162,636	5,681	2.85	81.63	5.20	106.6	10,403,311	10,178,965	3.80	3.88	103.1	3.04
2013	133,261	4,667	2.46	70.36	5.46	88.0	9,606,233	9,381,888	4.01	4.10	96.7	3.06

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - June 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
Year to Date												
2011	6,741,301	339,141	2.38	47.25	1.16	99.2	81,190	13,359	19.39	117.83	0.57	118.7
2012	5,731,904	291,988	2.44	47.85	1.22	103.0	51,308	8,572	22.74	136.12	0.47	98.0
2013	5,585,871	284,787	2.39	46.90	1.24	92.7	38,061	6,248	21.04	128.16	0.44	75.8
Rolling 12 Months Ending in June												
2012	12,862,162	652,200	2.43	47.97	1.19	103.3	114,373	19,072	22.04	132.17	0.47	104.0
2013	11,715,976	598,004	2.41	47.14	1.20	93.4	88,519	14,653	21.41	129.18	0.43	84.9

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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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - June 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
Year to Date												
2011	45,175	1,566	3.27	94.26	5.27	87.5	1,569,312	1,541,636	5.24	5.33	102.2	3.08
2012	31,098	1,075	2.11	61.12	5.11	100.3	2,030,354	1,991,028	3.45	3.52	101.4	2.83
2013	44,757	1,564	2.17	61.97	5.25	95.7	1,703,330	1,666,626	4.59	4.69	97.5	2.99
Rolling 12 Months Ending in June												
2012	85,131	2,954	2.63	75.75	5.09	108.2	4,032,390	3,957,005	4.13	4.21	101.4	2.96
2013	83,734	2,920	2.22	63.57	5.25	109.2	3,929,740	3,849,595	4.24	4.33	99.7	2.96

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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 - June 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
Year to Date												
2011	2,090,384	112,944	2.28	42.23	1.24	95.4	19,417	3,304	19.90	116.99	0.54	96.0
2012	1,969,514	105,632	2.28	42.59	1.44	113.0	13,500	2,298	22.81	134.02	0.45	96.5
2013	1,845,963	98,454	2.21	41.49	1.51	93.1	17,927	2,978	20.54	123.79	0.46	95.9
Rolling 12 Months Ending in June												
2012	4,171,414	225,982	2.28	42.11	1.34	103.5	35,682	6,090	21.47	125.77	0.46	109.2
2013	4,013,483	215,637	2.24	41.66	1.47	97.8	33,032	5,594	W	W	0.47	98.4

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - June 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
Year to Date												
2011	15,109	528	2.22	63.59	4.00	70.7	1,842,143	1,802,714	4.95	5.05	100.7	3.60
2012	15,595	543	W	W	5.35	129.4	2,492,088	2,434,552	2.88	2.95	100.2	W
2013	9,018	321	W	W	5.40	76.5	1,904,930	1,854,227	4.46	4.58	92.6	W
Rolling 12 Months Ending in June												
2012	34,128	1,190	W	W	5.16	112.0	4,901,985	4,790,455	3.62	3.70	100.5	W
2013	20,020	704	W	W	5.42	85.0	4,572,900	4,457,095	3.92	4.02	97.0	W

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - June 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
Year to Date												
2011	18,576	871	2.91	62.18	1.80	96.2	1,024	169	18.77	113.82	0.60	91.3
2012	15,693	752	2.82	58.90	1.81	95.4	1,222	206	21.80	129.22	0.50	187.8
2013	2,252	97	W	W	2.94	12.4	0	0	--	--	--	0.0
Rolling 12 Months Ending in June												
2012	NM	NM	NM	NM	1.78	101.0	NM	NM	NM	NM	0.50	160.5
2013	17,264	815	W	W	2.03	52.8	NM	NM	NM	NM	0.50	48.3

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2003 - June 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
Year to Date												
2011	147	5	W	W	5.41	125.0	42,438	41,565	5.56	5.67	106.9	W
2012	129	5	W	W	5.43	102.8	NM	NM	3.70	3.78	105.0	W
2013	0	0	--	--	--	0.0	2,350	2,331	W	W	5.3	W
Rolling 12 Months Ending in June												
2012	NM	NM	W	W	5.47	97.7	NM	NM	NM	NM	106.3	W
2013	NM	NM	W	W	5.70	61.0	NM	NM	W	W	56.4	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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - June 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
Year to Date												
2011	232,657	10,815	2.91	62.57	1.31	96.2	16,815	2,829	17.04	101.26	1.13	150.6
2012	209,035	9,808	3.02	64.37	1.50	96.2	9,322	1,555	19.14	114.71	0.95	125.4
2013	95,129	4,207	W	W	1.46	43.3	1,383	224	18.23	112.55	1.68	19.8
Rolling 12 Months Ending in June												
2012	452,485	21,198	2.99	63.71	1.41	99.7	NM	NM	18.81	111.90	0.98	131.9
2013	315,512	14,576	W	W	1.45	72.0	NM	NM	W	W	0.99	89.0

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - June 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
Year to Date												
2011	15,345	546	W	W	4.76	86.9	636,182	619,954	4.46	4.58	121.7	W
2012	20,491	723	W	W	5.68	79.5	669,721	653,589	2.73	2.80	118.2	W
2013	7,589	270	W	W	6.19	32.3	366,264	355,552	W	W	62.6	W
Rolling 12 Months Ending in June												
2012	43,126	1,528	W	W	5.43	99.9	1,365,515	1,330,263	3.44	3.53	120.2	W
2013	29,272	1,035	W	W	6.08	57.9	1,051,046	1,023,852	W	W	88.7	W

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Notes:
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See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, June 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	277	NM	NM	71	0	205	NM	0	0	2	NM
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	5	-34.0%	0	0	1	2	0	0	2	2
Massachusetts	204	NM	NM	0	0	204	NM	0	0	0	NM
New Hampshire	71	0	--	71	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	3,003	3,482	-14.0%	0	NM	2,965	3,372	0	NM	37	106
New Jersey	105	69	53.0%	0	0	105	69	0	0	0	0
New York	279	62	352.0%	0	NM	246	33	0	NM	33	27
Pennsylvania	2,619	3,351	-22.0%	0	0	2,614	3,271	0	NM	5	79
East North Central	15,639	15,120	3.4%	10,661	8,747	4,771	5,939	9	35	198	399
Illinois	4,696	5,437	-14.0%	565	488	4,015	4,717	0	NM	117	229
Indiana	3,034	3,405	-11.0%	2,837	3,015	196	362	0	20	0	NM
Michigan	2,715	1,838	48.0%	2,687	1,786	12	24	9	6	7	NM
Ohio	3,209	2,975	7.9%	2,642	2,101	548	835	0	NM	20	38
Wisconsin	1,985	1,465	36.0%	1,931	1,356	0	0	0	NM	54	104
West North Central	10,286	11,372	-9.5%	10,164	10,983	0	0	6	29	115	359
Iowa	1,652	1,917	-14.0%	1,537	1,680	0	0	0	21	115	215
Kansas	1,553	1,455	6.8%	1,553	1,455	0	0	0	0	0	0
Minnesota	875	1,009	-13.0%	875	933	0	0	0	NM	0	NM
Missouri	3,175	3,753	-15.0%	3,168	3,736	0	0	6	6	0	NM
Nebraska	1,358	1,189	14.0%	1,358	1,148	0	0	0	0	0	NM
North Dakota	1,519	1,931	-21.0%	1,519	1,913	0	0	0	0	0	NM
South Dakota	154	119	30.0%	154	119	0	0	0	0	0	0
South Atlantic	9,071	8,216	10.0%	7,272	6,744	1,675	1,200	0	NM	125	262
Delaware	44	37	18.0%	0	0	44	37	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,837	1,238	48.0%	1,748	1,123	89	91	0	0	0	24
Georgia	1,469	1,838	-20.0%	1,444	1,803	0	0	0	0	25	35
Maryland	561	423	33.0%	0	0	536	393	0	0	26	29
North Carolina	1,230	1,462	-16.0%	1,230	1,340	0	80	0	NM	0	38
South Carolina	685	781	-12.0%	668	749	0	0	0	0	17	32
Virginia	910	522	74.0%	804	386	76	53	0	NM	31	79
West Virginia	2,335	1,916	22.0%	1,380	1,344	929	546	0	0	26	26
East South Central	6,912	7,821	-12.0%	6,525	7,372	265	276	0	NM	122	169
Alabama	1,751	2,005	-13.0%	1,751	1,972	0	NM	0	0	0	29
Kentucky	3,158	3,338	-5.4%	3,158	3,338	0	0	0	0	0	0
Mississippi	377	529	-29.0%	112	258	265	272	0	0	0	0
Tennessee	1,626	1,949	-17.0%	1,504	1,805	0	0	0	NM	122	140
West South Central	12,895	12,831	0.5%	6,440	6,374	6,455	6,384	0	0	0	73
Arkansas	1,455	1,392	4.5%	1,306	1,270	148	112	0	0	0	NM
Louisiana	1,140	1,346	-15.0%	677	687	463	657	0	0	0	NM
Oklahoma	1,544	1,389	11.0%	1,435	1,288	110	61	0	0	0	NM
Texas	8,756	8,704	0.6%	3,022	3,129	5,734	5,554	0	0	0	NM
Mountain	8,251	8,479	-2.7%	7,599	7,832	620	497	0	0	32	151
Arizona	1,794	1,964	-8.7%	1,794	1,933	0	0	0	0	0	NM
Colorado	1,326	1,468	-9.7%	1,326	1,450	0	18	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	574	414	38.0%	0	NM	574	392	0	0	0	NM
Nevada	153	182	-16.0%	107	167	46	15	0	0	0	0
New Mexico	1,257	1,287	-2.4%	1,257	1,287	0	0	0	0	0	0
Utah	1,181	1,147	3.0%	1,148	1,087	0	NM	0	0	32	24
Wyoming	1,967	2,007	-2.0%	1,967	1,888	0	NM	0	0	0	83
Pacific Contiguous	222	174	27.0%	14	0	164	112	0	0	44	63
California	77	112	-31.0%	0	0	33	53	0	0	44	59
Oregon	14	0	--	14	0	0	0	0	0	0	0
Washington	131	62	110.0%	0	0	131	58	0	0	0	4
Pacific Noncontiguous	60	139	-57.0%	0	NM	60	74	0	37	0	NM
Alaska	0	73	-100.0%	0	NM	0	NM	0	37	0	0
Hawaii	60	66	-9.7%	0	0	60	58	0	0	0	NM
U.S. Total	66,615	67,646	-1.5%	48,746	48,073	17,178	17,858	16	118	676	1,597

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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 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) June 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	1,651	628	163.0%	467	186	1,168	407	0	0	16	35
Connecticut	155	14	NM	0	0	155	14	0	0	0	0
Maine	39	24	64.0%	0	0	23	14	0	0	16	9
Massachusetts	990	405	145.0%	0	0	990	379	0	0	0	26
New Hampshire	467	186	151.0%	467	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	17,743	21,518	-18.0%	0	NM	17,518	20,868	0	NM	225	630
New Jersey	488	361	35.0%	0	0	488	361	0	0	0	0
New York	1,527	741	106.0%	0	NM	1,349	574	0	NM	178	156
Pennsylvania	15,728	20,416	-23.0%	0	0	15,680	19,933	0	NM	47	474
East North Central	87,292	88,143	-1.0%	57,544	53,419	28,366	32,132	43	217	1,339	2,374
Illinois	27,701	29,920	-7.4%	3,155	2,874	23,636	25,586	0	41	910	1,418
Indiana	17,304	18,770	-7.8%	16,083	16,760	1,221	1,869	0	NM	0	50
Michigan	12,679	10,836	17.0%	12,520	10,575	54	67	43	50	61	144
Ohio	19,118	19,559	-2.3%	15,532	14,701	3,455	4,609	0	NM	131	243
Wisconsin	10,489	9,058	16.0%	10,253	8,509	0	0	0	29	236	519
West North Central	62,692	67,945	-7.7%	61,982	65,589	0	0	54	154	656	2,202
Iowa	9,198	12,203	-25.0%	8,542	10,823	0	0	0	109	656	1,271
Kansas	8,936	8,955	-0.2%	8,936	8,955	0	0	0	0	0	0
Minnesota	6,131	6,126	0.1%	6,131	5,632	0	0	0	NM	0	483
Missouri	20,024	21,803	-8.2%	19,970	21,707	0	0	54	34	0	62
Nebraska	7,060	7,094	-0.5%	7,060	6,825	0	0	0	0	0	270
North Dakota	10,509	11,049	-4.9%	10,509	10,932	0	0	0	0	0	117
South Dakota	833	714	17.0%	833	714	0	0	0	0	0	0
South Atlantic	51,963	58,369	-11.0%	41,773	47,161	9,442	9,362	0	NM	748	1,794
Delaware	294	256	15.0%	0	0	294	256	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	8,885	8,825	0.7%	8,589	8,291	296	394	0	0	0	140
Georgia	8,519	11,826	-28.0%	8,340	11,526	0	0	0	0	179	300
Maryland	3,074	2,900	6.0%	0	0	2,902	2,702	0	0	172	198
North Carolina	7,500	9,816	-24.0%	7,500	9,095	0	470	0	NM	0	222
South Carolina	4,607	6,425	-28.0%	4,552	6,237	0	46	0	0	55	143
Virginia	4,088	2,993	37.0%	3,564	2,089	307	332	0	24	218	549
West Virginia	14,997	15,327	-2.2%	9,229	9,923	5,643	5,162	0	0	125	242
East South Central	42,243	42,708	-1.1%	39,783	39,825	1,664	1,773	0	23	796	1,087
Alabama	10,290	11,742	-12.0%	10,290	11,540	0	23	0	0	0	179
Kentucky	19,450	19,633	-0.9%	19,450	19,633	0	0	0	0	0	0
Mississippi	2,645	3,152	-16.0%	981	1,402	1,664	1,750	0	0	0	0
Tennessee	9,857	8,181	20.0%	9,062	7,250	0	0	0	23	796	908
West South Central	70,732	74,433	-5.0%	36,742	39,172	33,990	34,829	0	0	0	432
Arkansas	8,162	8,871	-8.0%	7,358	7,532	804	1,279	0	0	0	59
Louisiana	6,999	8,182	-14.0%	3,754	3,821	3,245	4,350	0	0	0	NM
Oklahoma	8,663	9,901	-12.0%	8,111	9,079	553	582	0	0	0	239
Texas	46,908	47,479	-1.2%	17,519	18,739	29,389	28,617	0	0	0	NM
Mountain	50,772	51,006	-0.5%	45,774	45,747	4,879	4,418	0	0	120	841
Arizona	10,486	11,578	-9.4%	10,486	11,400	0	0	0	0	0	178
Colorado	8,806	8,761	0.5%	8,806	8,653	0	109	0	0	0	0
Idaho	0	59	-100.0%	0	0	0	0	0	0	0	59
Montana	4,520	3,764	20.0%	0	128	4,520	3,617	0	0	0	NM
Nevada	1,021	1,137	-10.0%	662	883	359	255	0	0	0	0
New Mexico	7,135	6,738	5.9%	7,135	6,738	0	0	0	0	0	0
Utah	6,981	5,894	18.0%	6,861	5,620	0	203	0	0	120	71
Wyoming	11,824	13,073	-9.6%	11,824	12,326	0	234	0	0	0	513
Pacific Contiguous	2,099	2,548	-18.0%	722	748	1,069	1,432	0	0	308	368
California	393	639	-38.0%	0	0	85	322	0	0	308	317
Oregon	722	748	-3.4%	722	748	0	0	0	0	0	0
Washington	983	1,161	-15.0%	0	0	983	1,110	0	0	0	51
Pacific Noncontiguous	359	882	-59.0%	0	134	359	412	0	293	0	44
Alaska	0	528	-100.0%	0	134	0	NM	0	293	0	0
Hawaii	359	354	1.3%	0	0	359	310	0	0	0	44
U.S. Total	387,545	408,180	-5.1%	284,787	291,988	98,454	105,632	97	752	4,207	9,808

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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.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, June 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	25	129	-80.0%	1	12	23	73	0	NM	1	NM
Connecticut	1	64	-99.0%	0	NM	1	62	0	0	0	NM
Maine	1	32	-95.0%	0	NM	0	5	0	NM	1	NM
Massachusetts	22	20	9.2%	0	6	22	NM	0	9	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	114	212	-46.0%	34	39	80	154	0	NM	0	NM
New Jersey	2	21	-90.0%	0	NM	2	18	0	NM	0	NM
New York	89	118	-24.0%	34	38	55	66	0	NM	0	NM
Pennsylvania	23	73	-68.0%	0	NM	23	69	0	NM	0	NM
East North Central	76	142	-47.0%	58	121	17	14	0	NM	1	6
Illinois	14	11	27.0%	4	4	10	7	0	NM	0	NM
Indiana	21	33	-35.0%	21	30	0	NM	0	NM	0	NM
Michigan	20	25	-20.0%	19	22	0	0	0	NM	0	0
Ohio	17	65	-74.0%	9	56	7	6	0	NM	1	3
Wisconsin	4	9	-56.0%	4	8	0	NM	0	NM	0	NM
West North Central	25	63	-60.0%	25	60	0	NM	0	NM	0	NM
Iowa	5	26	-80.0%	5	26	0	NM	0	NM	0	NM
Kansas	5	6	-22.0%	5	6	0	0	0	0	0	0
Minnesota	2	NM	NM	2	NM	0	NM	0	NM	0	NM
Missouri	10	16	-36.0%	10	16	0	NM	0	NM	0	0
Nebraska	2	NM	NM	2	NM	0	0	0	0	0	0
North Dakota	1	NM	NM	1	NM	0	0	0	NM	0	NM
South Dakota	0	5	-100.0%	0	5	0	NM	0	NM	0	0
South Atlantic	195	252	-22.0%	131	130	28	NM	0	NM	35	94
Delaware	0	NM	NM	0	NM	0	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	48	NM	NM	48	56	0	NM	0	0	0	NM
Georgia	26	31	-15.0%	12	14	0	NM	0	NM	14	17
Maryland	7	NM	NM	0	NM	7	NM	0	NM	0	1
North Carolina	17	41	-60.0%	17	15	0	NM	0	NM	0	26
South Carolina	26	41	-36.0%	10	19	0	0	0	NM	16	22
Virginia	30	32	-4.9%	4	9	21	10	0	0	5	NM
West Virginia	41	16	164.0%	41	16	0	0	0	0	0	0
East South Central	33	79	-58.0%	33	60	0	NM	0	0	0	NM
Alabama	7	35	-81.0%	7	20	0	NM	0	0	0	NM
Kentucky	21	22	-5.0%	21	22	0	0	0	0	0	0
Mississippi	3	7	-62.0%	3	6	0	0	0	0	0	NM
Tennessee	2	14	-85.0%	2	12	0	0	0	0	0	NM
West South Central	34	34	-2.3%	15	5	19	25	0	NM	0	NM
Arkansas	6	NM	NM	0	0	6	1	0	0	0	NM
Louisiana	1	NM	NM	0	NM	1	3	0	0	0	NM
Oklahoma	10	NM	NM	10	NM	0	0	0	NM	0	0
Texas	17	27	-38.0%	4	4	12	21	0	NM	0	NM
Mountain	36	59	-39.0%	32	50	3	8	0	NM	0	NM
Arizona	3	17	-84.0%	3	16	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	6	-52.0%	0	NM	3	5	0	0	0	0
Nevada	2	3	-24.0%	2	1	1	2	0	0	0	0
New Mexico	15	4	244.0%	15	4	0	NM	0	0	0	NM
Utah	5	9	-47.0%	5	9	0	NM	0	0	0	0
Wyoming	8	16	-51.0%	8	15	0	0	0	0	0	NM
Pacific Contiguous	4	NM	NM	1	12	3	NM	0	NM	0	NM
California	0	5	-100.0%	0	5	0	0	0	NM	0	NM
Oregon	1	8	-83.0%	1	7	0	0	0	NM	0	NM
Washington	3	NM	NM	0	NM	3	NM	0	NM	0	NM
Pacific Noncontiguous	622	1,479	-58.0%	453	1,229	169	199	0	NM	0	50
Alaska	0	140	-100.0%	0	129	0	0	0	NM	0	NM
Hawaii	622	1,339	-54.0%	453	1,100	169	199	0	NM	0	NM
U.S. Total	1,164	2,479	-53.0%	784	1,717	343	501	0	NM	38	236

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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) June 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	860	514	67.0%	106	NM	740	233	0	NM	15	180
Connecticut	117	137	-14.0%	0	NM	117	125	0	0	0	NM
Maine	381	245	56.0%	0	NM	366	NM	0	NM	15	171
Massachusetts	237	NM	NM	0	NM	237	NM	0	NM	0	NM
New Hampshire	106	NM	NM	106	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	1,125	1,232	-8.7%	230	335	879	671	0	114	16	NM
New Jersey	35	NM	NM	0	NM	35	NM	0	NM	0	NM
New York	880	864	1.9%	230	330	635	332	0	111	15	NM
Pennsylvania	210	315	-34.0%	0	NM	209	297	0	NM	1	NM
East North Central	536	677	-21.0%	438	504	87	79	0	NM	11	83
Illinois	66	70	-5.4%	21	NM	44	47	0	NM	0	NM
Indiana	123	177	-31.0%	123	108	0	NM	0	NM	0	69
Michigan	122	143	-15.0%	115	127	0	0	0	NM	7	5
Ohio	185	250	-26.0%	140	211	42	32	0	NM	3	7
Wisconsin	41	38	7.2%	39	35	1	NM	0	NM	1	NM
West North Central	240	360	-33.0%	240	345	0	NM	0	NM	0	NM
Iowa	56	122	-54.0%	56	120	0	NM	0	NM	0	NM
Kansas	48	46	3.7%	48	46	0	0	0	0	0	0
Minnesota	12	24	-51.0%	12	18	0	NM	0	NM	0	NM
Missouri	64	97	-34.0%	64	96	0	NM	0	NM	0	0
Nebraska	19	22	-12.0%	19	22	0	0	0	0	0	0
North Dakota	37	43	-15.0%	37	37	0	0	0	NM	0	NM
South Dakota	5	7	-27.0%	5	6	0	NM	0	NM	0	0
South Atlantic	1,427	1,835	-22.0%	1,034	972	211	NM	0	NM	182	659
Delaware	19	NM	NM	0	NM	19	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	563	NM	NM	557	239	6	NM	0	0	0	115
Georgia	147	312	-53.0%	87	170	4	NM	0	NM	56	141
Maryland	90	141	-36.0%	0	NM	90	66	0	NM	0	66
North Carolina	174	304	-43.0%	125	169	49	NM	0	NM	0	132
South Carolina	155	321	-52.0%	51	192	0	0	0	NM	104	129
Virginia	158	223	-29.0%	94	92	43	51	0	3	21	76
West Virginia	120	109	9.9%	120	99	0	10	0	0	0	0
East South Central	422	327	29.0%	422	224	0	NM	0	0	0	99
Alabama	92	141	-35.0%	92	57	0	NM	0	0	0	80
Kentucky	97	105	-7.9%	97	105	0	0	0	0	0	0
Mississippi	10	NM	NM	10	14	0	0	0	0	0	NM
Tennessee	223	60	269.0%	223	49	0	0	0	0	0	NM
West South Central	156	176	-12.0%	51	70	105	82	0	NM	0	NM
Arkansas	33	48	-32.0%	10	32	23	10	0	0	0	NM
Louisiana	28	NM	NM	5	12	22	14	0	0	0	NM
Oklahoma	11	NM	NM	11	NM	0	0	0	NM	0	0
Texas	84	88	-4.5%	24	22	60	58	0	NM	0	NM
Mountain	197	266	-26.0%	186	234	11	27	0	NM	0	NM
Arizona	53	58	-9.8%	53	55	0	0	0	NM	0	NM
Colorado	4	20	-82.0%	4	20	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	8	20	-60.0%	0	NM	8	16	0	0	0	0
Nevada	14	20	-30.0%	11	14	3	6	0	0	0	0
New Mexico	49	60	-19.0%	49	55	0	NM	0	0	0	NM
Utah	32	37	-14.0%	32	37	0	NM	0	0	0	0
Wyoming	38	50	-24.0%	38	49	0	0	0	0	0	NM
Pacific Contiguous	29	178	-84.0%	21	41	8	NM	0	NM	0	NM
California	0	NM	NM	0	33	0	NM	0	NM	0	NM
Oregon	6	14	-56.0%	6	7	0	0	0	NM	0	NM
Washington	23	NM	NM	15	NM	8	4	0	NM	0	NM
Pacific Noncontiguous	4,459	7,065	-37.0%	3,522	5,807	937	969	0	NM	0	281
Alaska	0	900	-100.0%	0	841	0	0	0	NM	0	53
Hawaii	4,459	6,166	-28.0%	3,522	4,966	937	969	0	2	0	228
U.S. Total	9,450	12,631	-25.0%	6,248	8,572	2,978	2,298	0	206	224	1,555

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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, June 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	NM	NM	0	0	0	NM	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	NM	NM	0	0	0	NM	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	64	128	-50.0%	0	40	54	52	0	0	10	NM
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	40	-100.0%	0	40	0	0	0	0	0	0
Michigan	2	NM	NM	0	0	2	4	0	0	0	NM
Ohio	52	61	-15.0%	0	0	52	48	0	0	0	NM
Wisconsin	10	NM	NM	0	0	0	0	0	0	10	NM
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	145	14	951.0%	131	0	0	0	0	0	14	14
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	131	0	--	131	0	0	0	0	0	0	0
Georgia	14	14	2.1%	0	0	0	0	0	0	14	14
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	44	69	-36.0%	44	69	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	44	69	-36.0%	44	69	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	144	160	-9.8%	116	78	0	20	0	0	28	62
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	116	97	20.0%	116	78	0	0	0	0	0	NM
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	28	63	-55.0%	0	0	0	20	0	0	28	43
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	398	404	-1.6%	291	188	54	93	0	0	52	123

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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) June 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 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	403	585	-31.0%	14	61	321	306	0	0	68	218
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	40	-100.0%	0	40	0	0	0	0	0	0
Michigan	23	71	-67.0%	14	0	9	10	0	0	0	61
Ohio	312	378	-17.0%	0	0	312	296	0	0	0	81
Wisconsin	68	96	-29.0%	0	21	0	0	0	0	68	76
West North Central	0	NM	NM	0	NM	0	0	0	5	0	0
Iowa	0	NM	NM	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	516	335	54.0%	478	235	0	0	0	0	38	101
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	478	235	104.0%	478	235	0	0	0	0	0	0
Georgia	38	101	-63.0%	0	0	0	0	0	0	38	101
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	269	274	-2.1%	269	274	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	269	274	-2.1%	269	274	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	968	862	12.0%	803	505	0	22	0	0	165	335
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	803	616	30.0%	803	505	0	0	0	0	0	111
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	165	244	-33.0%	0	0	0	22	0	0	165	223
Mountain	0	122	-100.0%	0	0	0	122	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	122	-100.0%	0	0	0	122	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	137	-100.0%	0	0	0	90	0	0	0	NM
California	0	137	-100.0%	0	0	0	90	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	2,156	2,346	-8.1%	1,564	1,075	321	543	0	5	270	723

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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, June 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	31,790	42,056	-24.0%	129	432	30,492	37,826	0	1,003	1,168	2,794
Connecticut	8,304	10,461	-21.0%	0	70	8,304	9,686	0	265	0	440
Maine	2,945	4,057	-27.0%	0	0	1,777	2,099	0	NM	1,168	1,956
Massachusetts	13,115	17,389	-25.0%	129	252	12,986	16,199	0	571	0	367
New Hampshire	2,935	4,495	-35.0%	0	107	2,935	4,358	0	0	0	31
Rhode Island	4,491	5,651	-21.0%	0	0	4,491	5,484	0	167	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	82,955	108,008	-23.0%	10,820	14,137	72,006	90,836	0	877	129	2,159
New Jersey	17,977	23,070	-22.0%	0	0	17,977	22,176	0	177	0	717
New York	37,937	50,165	-24.0%	10,820	14,126	27,050	34,993	0	627	67	419
Pennsylvania	27,041	34,774	-22.0%	0	NM	26,979	33,667	0	73	62	1,022
East North Central	33,349	75,968	-56.0%	12,304	25,546	20,662	45,321	303	1,635	81	3,466
Illinois	2,815	13,245	-79.0%	466	1,842	2,341	9,911	0	458	7	1,034
Indiana	4,982	12,455	-60.0%	2,938	8,422	2,044	2,864	0	148	0	1,021
Michigan	7,865	22,520	-65.0%	2,263	5,356	5,267	15,854	303	594	32	716
Ohio	13,036	16,453	-21.0%	4,391	4,270	8,644	11,753	0	203	1	226
Wisconsin	4,652	11,295	-59.0%	2,246	5,656	2,365	4,938	0	232	41	469
West North Central	9,686	24,021	-60.0%	8,202	19,715	1,384	3,186	99	444	2	676
Iowa	1,137	2,338	-51.0%	1,135	2,299	0	NM	0	32	2	7
Kansas	2,108	4,301	-51.0%	2,108	4,289	0	0	0	0	0	NM
Minnesota	2,791	7,827	-64.0%	2,118	5,906	673	1,188	0	302	0	432
Missouri	3,276	7,433	-56.0%	2,467	5,323	711	1,997	99	107	0	NM
Nebraska	360	1,613	-78.0%	360	1,508	0	0	0	NM	0	102
North Dakota	0	118	-100.0%	0	NM	0	0	0	0	0	118
South Dakota	14	390	-96.0%	14	390	0	0	0	0	0	0
South Atlantic	169,186	193,890	-13.0%	134,841	145,486	31,215	41,332	0	NM	3,131	6,783
Delaware	6,383	6,007	6.3%	0	27	4,377	5,152	0	0	2,006	829
District of Columbia	0	103	-100.0%	0	103	0	0	0	0	0	0
Florida	94,148	107,256	-12.0%	87,990	95,183	6,158	9,621	0	NM	0	2,407
Georgia	26,870	34,424	-22.0%	18,851	18,579	7,239	14,280	0	0	779	1,564
Maryland	2,256	5,148	-56.0%	0	0	2,194	4,463	0	192	62	494
North Carolina	17,220	13,725	25.0%	11,129	11,462	6,091	1,962	0	NM	0	NM
South Carolina	9,318	9,712	-4.1%	7,943	8,633	1,339	931	0	NM	37	NM
Virginia	12,768	17,204	-26.0%	8,928	11,480	3,594	4,735	0	0	246	989
West Virginia	222	310	-28.0%	0	19	222	188	0	0	0	103
East South Central	58,295	87,761	-34.0%	33,754	45,042	24,533	39,179	0	NM	8	3,348
Alabama	27,812	41,042	-32.0%	6,834	10,054	20,978	28,749	0	0	0	2,239
Kentucky	959	3,732	-74.0%	717	2,975	242	367	0	0	0	390
Mississippi	26,432	35,640	-26.0%	23,119	24,982	3,313	10,063	0	NM	0	NM
Tennessee	3,092	7,348	-58.0%	3,084	7,031	0	0	0	155	8	163
West South Central	250,752	324,441	-23.0%	76,521	94,895	120,680	152,508	0	NM	53,551	76,304
Arkansas	10,022	14,966	-33.0%	2,536	3,383	7,486	10,892	0	NM	0	NM
Louisiana	44,058	60,064	-27.0%	19,103	26,813	7,340	10,469	0	NM	17,615	22,726
Oklahoma	25,762	36,268	-29.0%	18,840	24,525	6,922	11,211	0	NM	0	NM
Texas	170,911	213,143	-20.0%	36,042	40,175	98,933	119,936	0	NM	35,937	52,515
Mountain	58,484	65,964	-11.0%	35,920	39,365	22,520	25,063	0	NM	44	NM
Arizona	23,464	25,150	-6.7%	9,354	12,309	14,111	12,756	0	NM	0	NM
Colorado	8,162	8,490	-3.9%	4,849	4,740	3,313	NM	0	NM	0	NM
Idaho	1,435	561	156.0%	1,193	394	242	102	0	0	0	66
Montana	0	179	-100.0%	0	148	0	32	0	0	0	0
Nevada	16,142	18,477	-13.0%	13,637	12,838	2,505	NM	0	NM	0	NM
New Mexico	6,330	NM	NM	4,474	4,982	1,856	NM	0	NM	0	NM
Utah	2,947	NM	NM	2,408	3,882	494	650	0	NM	44	NM
Wyoming	4	949	-100.0%	4	72	0	23	0	0	0	854
Pacific Contiguous	64,142	NM	NM	21,579	23,449	38,736	NM	0	NM	3,827	NM
California	57,663	NM	NM	18,030	22,547	35,807	NM	0	NM	3,827	NM
Oregon	3,696	1,494	147.0%	905	137	2,791	1,145	0	78	0	134
Washington	2,782	1,847	51.0%	2,644	765	138	565	0	159	0	358
Pacific Noncontiguous	1,959	3,345	-41.0%	1,959	3,261	0	0	0	6	0	77
Alaska	1,959	3,345	-41.0%	1,959	3,261	0	0	0	6	0	77
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	760,598	1,010,287	-25.0%	336,028	411,327	362,228	479,802	401	NM	61,941	111,229

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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) June 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	165,305	219,741	-25.0%	549	1,425	157,920	195,452	0	6,499	6,836	16,364
Connecticut	51,086	53,338	-4.2%	0	420	51,086	48,820	0	1,578	0	2,520
Maine	16,967	24,215	-30.0%	0	0	10,131	12,609	0	NM	6,836	11,596
Massachusetts	66,043	86,450	-24.0%	408	825	65,635	79,652	0	3,907	0	2,067
New Hampshire	11,791	25,596	-54.0%	141	162	11,650	25,254	0	0	0	NM
Rhode Island	19,418	30,122	-36.0%	0	0	19,418	29,117	0	1,005	0	0
Vermont	0	19	-100.0%	0	19	0	0	0	0	0	0
Middle Atlantic	439,022	541,994	-19.0%	51,264	61,652	386,759	462,012	0	5,391	1,000	12,940
New Jersey	88,966	110,433	-19.0%	0	0	88,966	105,127	0	1,039	0	4,267
New York	189,263	233,376	-19.0%	51,264	61,621	137,597	165,248	0	3,980	403	2,527
Pennsylvania	160,793	198,185	-19.0%	0	31	160,195	191,636	0	372	597	6,146
East North Central	204,718	367,834	-44.0%	75,669	122,998	125,416	211,382	1,990	11,168	1,643	22,286
Illinois	16,307	44,180	-63.0%	2,301	6,767	13,972	27,960	0	3,253	35	6,201
Indiana	34,149	68,794	-50.0%	22,953	47,050	11,196	13,813	0	898	0	7,033
Michigan	49,780	116,000	-57.0%	10,703	21,514	36,436	85,929	1,990	4,274	650	4,283
Ohio	76,493	87,469	-13.0%	26,002	21,836	50,457	63,015	0	1,138	34	1,480
Wisconsin	27,989	51,390	-46.0%	13,709	25,832	13,355	20,665	0	1,605	924	3,288
West North Central	53,217	83,282	-36.0%	44,794	65,419	8,073	10,179	341	3,158	8	4,528
Iowa	6,505	6,125	6.2%	6,497	5,869	0	NM	0	221	8	NM
Kansas	7,633	15,632	-51.0%	7,633	15,577	0	0	0	0	0	NM
Minnesota	21,156	31,668	-33.0%	17,818	22,785	3,338	3,919	0	2,166	0	2,798
Missouri	16,729	24,547	-32.0%	11,653	17,500	4,735	6,259	341	744	0	NM
Nebraska	833	3,441	-76.0%	833	2,689	0	0	0	NM	0	727
North Dakota	0	870	-100.0%	0	NM	0	0	0	0	0	869
South Dakota	361	999	-64.0%	361	999	0	0	0	0	0	0
South Atlantic	878,644	1,011,505	-13.0%	711,734	742,905	149,716	227,527	0	1,623	17,194	39,450
Delaware	28,675	34,855	-18.0%	0	101	19,166	27,494	0	0	9,508	7,260
District of Columbia	0	559	-100.0%	0	559	0	0	0	0	0	0
Florida	480,116	570,187	-16.0%	456,448	503,012	23,667	53,129	0	NM	0	13,791
Georgia	143,911	153,134	-6.0%	106,159	83,091	32,659	61,506	0	0	5,093	8,537
Maryland	9,017	29,099	-69.0%	0	0	8,661	25,373	0	1,142	356	2,585
North Carolina	93,749	73,260	28.0%	61,563	59,377	32,014	11,898	0	NM	171	NM
South Carolina	43,266	55,572	-22.0%	40,684	44,819	2,427	9,814	0	NM	155	NM
Virginia	78,611	93,182	-16.0%	46,694	51,874	30,007	37,373	0	0	1,911	3,936
West Virginia	1,299	1,656	-22.0%	185	72	1,115	941	0	0	0	643
East South Central	303,471	440,616	-31.0%	176,899	235,370	126,493	184,133	0	1,145	79	19,969
Alabama	153,967	217,973	-29.0%	44,360	55,744	109,607	148,901	0	0	0	13,328
Kentucky	8,043	21,049	-62.0%	6,736	17,293	1,306	1,440	0	0	0	2,315
Mississippi	123,126	171,322	-28.0%	107,547	134,138	15,579	33,791	0	NM	0	3,173
Tennessee	18,334	30,272	-39.0%	18,256	28,194	0	0	0	925	79	1,153
West South Central	1,210,640	1,590,994	-24.0%	300,283	400,686	603,458	741,947	0	4,264	306,899	444,097
Arkansas	46,878	69,195	-32.0%	3,024	11,119	43,854	53,051	0	NM	0	5,023
Louisiana	208,291	293,145	-29.0%	83,863	110,416	33,494	48,556	0	NM	90,935	133,848
Oklahoma	112,939	162,925	-31.0%	88,015	112,047	24,925	47,731	0	NM	0	2,217
Texas	842,532	1,065,729	-21.0%	125,382	167,104	501,186	592,610	0	3,005	215,964	303,010
Mountain	239,108	309,652	-23.0%	156,908	183,432	81,829	113,321	0	NM	370	NM
Arizona	71,034	104,137	-32.0%	32,122	52,074	38,912	51,464	0	NM	0	NM
Colorado	36,377	41,476	-12.0%	21,038	24,750	15,339	16,590	0	NM	0	NM
Idaho	8,169	6,013	36.0%	3,602	944	4,566	4,167	0	0	0	901
Montana	0	714	-100.0%	0	629	0	NM	0	0	0	0
Nevada	74,655	86,565	-14.0%	63,625	61,307	11,030	NM	0	NM	0	NM
New Mexico	29,947	36,760	-19.0%	19,905	22,332	10,042	NM	0	NM	0	NM
Utah	18,878	26,117	-28.0%	16,569	21,171	1,939	3,267	0	NM	370	NM
Wyoming	47	7,870	-99.0%	47	224	0	NM	0	0	0	7,583
Pacific Contiguous	371,847	540,361	-31.0%	135,762	155,045	214,563	288,599	0	NM	21,522	NM
California	312,476	483,189	-35.0%	104,547	131,733	186,407	259,622	0	NM	21,522	NM
Oregon	40,850	36,960	11.0%	13,330	11,184	27,520	24,023	0	567	0	1,185
Washington	18,521	20,212	-8.4%	17,884	12,128	636	4,954	0	1,148	0	1,982
Pacific Noncontiguous	12,765	22,691	-44.0%	12,765	22,096	0	0	0	NM	0	550
Alaska	12,765	22,691	-44.0%	12,765	22,096	0	0	0	NM	0	550
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,878,736	5,128,670	-24.0%	1,666,626	1,991,028	1,854,227	2,434,552	2,331	NM	355,552	653,589

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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, June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012
New England	W	W	W	4.05	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.05	--	--	4.05	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.55	2.46	3.7%	--	NM	2.55	2.46
New Jersey	3.75	W	W	--	--	3.75	W
New York	3.03	W	W	--	NM	3.03	W
Pennsylvania	2.46	2.40	2.5%	--	--	2.46	2.40
East North Central	2.30	2.40	-4.2%	2.42	2.59	1.98	2.09
Illinois	1.90	1.82	4.4%	2.07	2.10	1.88	1.79
Indiana	W	W	W	2.57	2.60	W	W
Michigan	W	W	W	2.68	2.99	W	W
Ohio	W	2.68	W	2.18	2.48	W	3.18
Wisconsin	2.33	2.39	-2.5%	2.33	2.39	--	--
West North Central	1.76	1.73	1.7%	1.76	1.73	--	--
Iowa	1.61	1.46	10.0%	1.61	1.46	--	--
Kansas	1.79	1.85	-3.2%	1.79	1.85	--	--
Minnesota	2.01	1.96	2.6%	2.01	1.96	--	--
Missouri	1.92	1.86	3.2%	1.92	1.86	--	--
Nebraska	1.41	1.60	-12.0%	1.41	1.60	--	--
North Dakota	1.67	1.52	9.9%	1.67	1.52	--	--
South Dakota	1.97	2.15	-8.4%	1.97	2.15	--	--
South Atlantic	3.26	3.41	-4.4%	3.32	3.48	3.02	3.04
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.45	3.49	W	W
Georgia	3.05	3.58	-15.0%	3.05	3.58	--	--
Maryland	3.49	3.39	2.9%	--	--	3.49	3.39
North Carolina	3.88	3.76	3.2%	3.88	3.79	--	3.22
South Carolina	3.75	3.98	-5.8%	3.75	3.98	--	--
Virginia	W	3.77	W	3.36	3.76	W	3.88
West Virginia	2.58	2.59	-0.4%	2.64	2.70	2.49	2.31
East South Central	W	W	W	2.54	2.68	W	W
Alabama	2.84	W	W	2.84	2.95	--	W
Kentucky	2.36	2.42	-2.5%	2.36	2.42	--	--
Mississippi	W	W	W	4.16	4.51	W	W
Tennessee	2.47	2.59	-4.6%	2.47	2.59	--	--
West South Central	2.06	1.98	4.0%	2.24	2.09	1.87	1.85
Arkansas	W	W	W	2.27	2.09	W	W
Louisiana	W	W	W	2.84	2.89	W	W
Oklahoma	W	W	W	2.03	1.96	W	W
Texas	1.96	1.87	4.8%	2.20	1.98	1.83	1.80
Mountain	W	1.87	W	1.97	1.89	W	1.56
Arizona	2.12	2.08	1.9%	2.12	2.08	--	--
Colorado	1.95	W	W	1.95	1.80	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	1.50	W	--	NM	W	1.50
Nevada	W	W	W	2.92	2.58	W	W
New Mexico	2.30	2.15	7.0%	2.30	2.15	--	--
Utah	2.15	W	W	2.15	2.07	--	W
Wyoming	1.42	W	W	1.42	1.35	--	W
Pacific Contiguous	W	W	W	2.27	--	W	W
California	W	W	W	--	--	W	W
Oregon	2.27	--	--	2.27	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	NM	W	W
Alaska	--	W	W	--	NM	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.35	2.36	-0.4%	2.39	2.42	2.22	2.19

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	3.85	3.77	2.1%	4.25	3.97	3.67	3.66
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	2.59	2.54	2.0%	--	NM	2.59	2.54
New Jersey	3.74	4.17	-10.0%	--	--	3.74	4.17
New York	2.97	3.59	-17.0%	--	NM	2.97	3.58
Pennsylvania	2.52	2.48	1.6%	--	--	2.52	2.48
East North Central	2.29	2.41	-5.0%	2.43	2.55	1.96	2.16
Illinois	1.89	1.92	-1.6%	2.10	2.11	1.86	1.90
Indiana	W	W	W	2.55	2.62	W	W
Michigan	W	W	W	2.76	2.93	W	W
Ohio	W	2.60	W	2.21	2.42	W	3.17
Wisconsin	2.31	2.31	0.0%	2.31	2.31	--	--
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	1.95	3.6%	2.02	1.95	--	--
Missouri	1.91	1.86	2.7%	1.91	1.86	--	--
Nebraska	1.47	1.56	-5.8%	1.47	1.56	--	--
North Dakota	1.56	1.51	3.3%	1.56	1.51	--	--
South Dakota	2.03	2.26	-10.0%	2.03	2.26	--	--
South Atlantic	3.25	3.37	-3.6%	3.36	3.47	2.79	2.89
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.49	3.50	W	W
Georgia	3.25	3.55	-8.5%	3.25	3.55	--	--
Maryland	W	3.50	W	--	--	W	3.50
North Carolina	3.85	3.79	1.6%	3.85	3.82	--	3.19
South Carolina	3.78	W	W	3.78	4.01	--	W
Virginia	W	W	W	3.37	3.74	W	W
West Virginia	2.51	2.51	0.0%	2.72	2.65	2.16	2.23
East South Central	W	W	W	2.53	2.70	W	W
Alabama	2.78	W	W	2.78	3.00	--	W
Kentucky	2.37	2.44	-2.9%	2.37	2.44	--	--
Mississippi	W	W	W	4.13	4.43	W	W
Tennessee	2.46	2.61	-5.7%	2.46	2.61	--	--
West South Central	2.10	2.04	2.9%	2.26	2.07	1.92	2.01
Arkansas	W	W	W	2.36	2.08	W	W
Louisiana	W	W	W	2.85	2.76	W	W
Oklahoma	W	W	W	2.03	1.98	W	W
Texas	2.00	1.98	1.0%	2.19	1.98	1.88	1.98
Mountain	W	1.84	W	1.93	1.88	W	1.38
Arizona	2.06	2.05	0.5%	2.06	2.05	--	--
Colorado	1.91	W	W	1.91	1.85	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.50	W	W
Nevada	W	W	W	2.60	2.59	W	W
New Mexico	2.31	2.22	4.1%	2.31	2.22	--	--
Utah	2.02	W	W	2.02	1.93	--	W
Wyoming	1.48	W	W	1.48	1.45	--	W
Pacific Contiguous	W	2.32	W	1.92	1.89	W	2.52
California	W	W	W	--	--	W	W
Oregon	1.92	1.89	1.6%	1.92	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.68	W	W
Alaska	--	W	W	--	1.68	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.35	2.40	-2.1%	2.39	2.44	2.21	2.28

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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 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012
New England	W	W	W	21.41	18.24	W	W
Connecticut	W	W	W	--	NM	W	W
Maine	W	W	W	--	NM	W	W
Massachusetts	W	18.06	W	--	16.70	W	19.79
New Hampshire	21.41	W	W	21.41	20.53	--	W
Rhode Island	--	W	W	--	19.91	--	W
Vermont	--	20.09	--	--	20.09	--	--
Middle Atlantic	W	20.25	W	24.16	20.83	W	20.11
New Jersey	W	18.83	W	--	NM	W	18.82
New York	W	20.39	W	24.16	20.87	W	20.12
Pennsylvania	21.52	20.45	5.2%	--	NM	21.52	20.45
East North Central	22.02	21.07	4.5%	21.90	21.07	22.42	21.05
Illinois	W	W	W	22.71	21.55	W	W
Indiana	21.70	W	W	21.70	20.84	--	W
Michigan	22.15	21.20	4.5%	22.15	21.20	--	--
Ohio	W	21.05	W	21.74	21.09	W	20.61
Wisconsin	21.25	W	W	21.25	21.24	--	W
West North Central	21.25	20.71	2.6%	21.25	20.69	--	NM
Iowa	19.96	W	W	19.96	22.86	--	W
Kansas	21.80	18.42	18.0%	21.80	18.42	--	--
Minnesota	22.51	W	W	22.51	21.89	--	W
Missouri	21.07	W	W	21.07	17.21	--	W
Nebraska	21.76	20.78	4.7%	21.76	20.78	--	--
North Dakota	23.31	21.90	6.4%	23.31	21.90	--	--
South Dakota	--	W	W	--	20.82	--	W
South Atlantic	22.24	NM	NM	22.35	19.92	21.74	NM
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	NM	W	22.42	20.26	W	NM
Georgia	22.47	W	W	22.47	21.15	--	W
Maryland	W	W	W	--	20.10	W	W
North Carolina	21.97	20.22	8.7%	21.97	20.25	--	NM
South Carolina	22.28	16.52	35.0%	22.28	16.52	--	--
Virginia	W	20.06	W	19.04	19.22	W	20.77
West Virginia	22.74	21.68	4.9%	22.74	21.68	--	--
East South Central	21.72	W	W	21.72	20.51	--	W
Alabama	21.45	W	W	21.45	21.09	--	W
Kentucky	21.87	20.56	6.4%	21.87	20.56	--	--
Mississippi	21.02	20.53	2.4%	21.02	20.53	--	--
Tennessee	21.95	19.41	13.0%	21.95	19.41	--	--
West South Central	21.73	20.09	8.2%	21.75	20.56	21.71	20.00
Arkansas	W	W	W	--	--	W	W
Louisiana	W	W	W	--	NM	W	W
Oklahoma	22.05	NM	NM	22.05	NM	--	--
Texas	W	W	W	21.06	20.52	W	W
Mountain	W	21.09	W	23.60	21.19	W	20.40
Arizona	23.81	19.83	20.0%	23.81	19.83	--	--
Colorado	--	20.35	--	--	20.35	--	--
Idaho	--	NM	--	--	NM	--	--
Montana	W	18.43	W	--	NM	W	18.12
Nevada	W	W	W	22.82	26.38	W	W
New Mexico	24.24	W	W	24.24	22.74	--	W
Utah	21.48	W	W	21.48	21.48	--	W
Wyoming	23.79	21.94	8.4%	23.79	21.94	--	--
Pacific Contiguous	W	W	W	21.49	21.95	W	W
California	--	23.16	--	--	23.16	--	--
Oregon	21.49	21.11	1.8%	21.49	21.11	--	--
Washington	W	W	W	--	NM	W	W
Pacific Noncontiguous	W	W	W	20.56	23.03	W	W
Alaska	--	21.64	--	--	21.64	--	--
Hawaii	W	W	W	20.56	23.17	W	W
U.S. Total	21.06	22.15	-4.9%	21.30	22.37	20.50	21.41

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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) June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	W	W	W	17.25	21.33	W	W
Connecticut	20.15	W	W	--	NM	20.15	W
Maine	W	W	W	--	NM	W	W
Massachusetts	19.15	21.53	-11.0%	--	NM	19.15	22.27
New Hampshire	17.25	W	W	17.25	NM	--	W
Rhode Island	W	W	W	--	NM	W	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	20.08	21.52	-6.7%	20.75	20.35	19.89	22.12
New Jersey	21.52	20.90	3.0%	--	NM	21.52	20.95
New York	19.51	21.17	-7.8%	20.75	20.35	19.05	21.99
Pennsylvania	22.62	22.43	0.8%	--	NM	22.62	22.43
East North Central	23.07	22.80	1.2%	23.05	22.67	23.20	23.67
Illinois	W	W	W	23.71	23.59	W	W
Indiana	23.10	W	W	23.10	22.81	--	W
Michigan	23.05	22.54	2.3%	23.05	22.54	--	--
Ohio	23.05	22.66	1.7%	23.04	22.60	23.08	23.02
Wisconsin	W	W	W	22.60	22.49	W	W
West North Central	22.66	22.37	1.3%	22.66	22.35	--	24.79
Iowa	22.71	W	W	22.71	23.01	--	W
Kansas	22.59	22.18	1.8%	22.59	22.18	--	--
Minnesota	25.83	W	W	25.83	23.74	--	W
Missouri	21.87	W	W	21.87	20.63	--	W
Nebraska	22.40	22.81	-1.8%	22.40	22.81	--	--
North Dakota	23.09	23.72	-2.7%	23.09	23.72	--	--
South Dakota	23.30	W	W	23.30	21.57	--	W
South Atlantic	W	22.43	W	20.50	22.64	W	NM
Delaware	W	23.57	W	--	NM	W	23.67
District of Columbia	--	W	W	--	--	--	W
Florida	W	NM	W	18.77	22.50	W	NM
Georgia	W	W	W	23.44	24.26	W	W
Maryland	21.70	22.49	-3.5%	--	NM	21.70	22.59
North Carolina	W	22.95	W	22.77	22.98	W	NM
South Carolina	23.34	21.33	9.4%	23.34	21.33	--	--
Virginia	W	22.34	W	19.82	21.83	W	23.26
West Virginia	23.80	W	W	23.80	23.00	--	W
East South Central	22.57	W	W	22.57	22.28	--	W
Alabama	22.09	W	W	22.09	22.50	--	W
Kentucky	22.66	22.45	0.9%	22.66	22.45	--	--
Mississippi	21.46	21.43	0.1%	21.46	21.43	--	--
Tennessee	22.78	21.89	4.1%	22.78	21.89	--	--
West South Central	22.25	22.57	-1.4%	22.45	22.89	22.15	22.29
Arkansas	W	W	W	22.40	23.10	W	W
Louisiana	W	W	W	22.21	22.26	W	W
Oklahoma	22.16	NM	NM	22.16	NM	--	--
Texas	W	W	W	22.66	22.79	W	W
Mountain	W	23.37	W	23.69	23.56	W	21.66
Arizona	24.64	23.51	4.8%	24.64	23.51	--	--
Colorado	21.90	W	W	21.90	22.45	--	W
Idaho	--	NM	--	--	NM	--	--
Montana	W	19.88	W	--	21.39	W	19.43
Nevada	W	W	W	22.98	25.30	W	W
New Mexico	24.62	W	W	24.62	25.40	--	W
Utah	21.59	W	W	21.59	22.87	--	W
Wyoming	23.38	22.14	5.6%	23.38	22.14	--	--
Pacific Contiguous	W	W	W	23.18	24.59	W	W
California	--	W	W	--	25.33	--	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	20.66	22.90	W	W
Alaska	--	23.82	--	--	23.82	--	--
Hawaii	W	W	W	20.66	22.77	W	W
U.S. Total	20.88	22.75	-8.2%	21.04	22.74	20.54	22.81

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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, June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	--	3.46	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	3.46	--	--	3.46	--	--
Michigan	W	W	W	--	--	W	W
Ohio	--	W	W	--	--	--	W
Wisconsin	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.86	--	--	2.86	--	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.86	--	--	2.86	--	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.82	1.83	-0.5%	1.82	1.83	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.82	1.83	-0.5%	1.82	1.83	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.00	W	W	2.00	2.31	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.00	2.31	-13.0%	2.00	2.31	--	--
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	2.70	W	2.36	2.40	W	3.32

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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) June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.50	2.91	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	3.46	--	--	3.46	--	--
Michigan	W	W	W	1.50	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	--	1.68	--	--	1.68	--	--
West North Central	--	NM	--	--	NM	--	--
Iowa	--	NM	--	--	NM	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.68	2.63	1.9%	2.68	2.63	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.68	2.63	1.9%	2.68	2.63	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.84	1.84	0.0%	1.84	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.84	1.84	0.0%	1.84	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.98	W	W	1.98	1.93	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.98	1.93	2.6%	1.98	1.93	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	2.62	--	--	--	--	2.62
California	--	2.62	--	--	--	--	2.62
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.17	2.11	W	W

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Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013	June 2012	Percentage Change	June 2013	June 2012	June 2013	June 2012
New England	4.61	3.39	36.0%	5.32	5.58	4.60	3.37
Connecticut	4.36	3.25	34.0%	--	NM	4.36	3.26
Maine	W	W	W	--	--	W	W
Massachusetts	4.58	3.40	35.0%	5.31	5.84	4.58	3.36
New Hampshire	7.92	W	W	7.92	6.57	--	W
Rhode Island	W	3.55	W	--	--	W	3.55
Vermont	--	3.69	--	--	3.69	--	--
Middle Atlantic	4.45	3.09	44.0%	5.05	3.18	4.34	3.07
New Jersey	4.10	2.96	39.0%	--	--	4.10	2.96
New York	4.90	3.35	46.0%	5.05	3.18	4.83	3.42
Pennsylvania	4.00	2.78	44.0%	--	NM	4.00	2.78
East North Central	4.30	2.87	50.0%	4.26	2.87	4.33	2.87
Illinois	W	3.08	W	5.01	3.29	W	3.04
Indiana	W	2.73	W	4.19	2.71	W	2.78
Michigan	4.53	2.96	53.0%	4.43	2.95	4.58	2.97
Ohio	3.99	2.70	48.0%	3.86	2.70	4.06	2.70
Wisconsin	4.64	2.86	62.0%	4.79	3.02	4.49	2.68
West North Central	4.63	3.04	52.0%	4.60	3.09	4.82	2.74
Iowa	4.32	W	W	4.32	3.40	--	W
Kansas	4.16	2.90	43.0%	4.16	2.90	--	--
Minnesota	W	W	W	5.25	3.13	W	W
Missouri	W	W	W	4.51	3.03	W	W
Nebraska	4.85	3.21	51.0%	4.85	3.21	--	--
North Dakota	--	NM	--	--	NM	--	--
South Dakota	5.39	3.16	71.0%	5.39	3.16	--	--
South Atlantic	4.96	3.93	26.0%	5.02	4.21	4.56	2.97
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	NM	--	--	NM	--	--
Florida	5.16	4.50	15.0%	5.22	4.66	3.72	2.88
Georgia	4.53	3.01	50.0%	4.51	3.04	4.59	2.98
Maryland	4.71	3.14	50.0%	--	--	4.71	3.14
North Carolina	W	W	W	5.13	4.30	W	W
South Carolina	W	W	W	4.65	3.45	W	W
Virginia	4.26	2.86	49.0%	4.36	2.91	4.01	2.73
West Virginia	4.04	3.06	32.0%	--	2.43	4.04	3.12
East South Central	4.21	2.74	54.0%	4.19	2.68	4.23	2.81
Alabama	4.28	2.86	50.0%	4.29	2.86	4.28	2.85
Kentucky	W	3.31	W	6.85	3.35	W	3.07
Mississippi	W	2.61	W	4.10	2.59	W	2.68
Tennessee	4.07	2.49	63.0%	4.07	2.49	--	--
West South Central	4.09	2.67	53.0%	4.17	2.74	4.02	2.63
Arkansas	W	2.90	W	5.09	3.57	W	2.69
Louisiana	W	2.58	W	4.18	2.60	W	2.53
Oklahoma	4.11	2.73	51.0%	4.15	2.80	4.02	2.58
Texas	4.06	2.66	53.0%	4.12	2.71	4.03	2.64
Mountain	4.52	3.14	44.0%	4.65	3.20	4.21	3.06
Arizona	4.61	3.25	42.0%	5.15	3.55	4.11	2.96
Colorado	4.57	3.40	34.0%	4.55	3.34	4.60	3.48
Idaho	W	W	W	4.15	2.77	W	W
Montana	--	W	W	--	3.07	--	W
Nevada	W	3.04	W	4.56	3.07	W	NM
New Mexico	4.24	W	W	4.24	2.99	--	W
Utah	4.47	W	W	4.47	2.64	--	W
Wyoming	8.91	W	W	8.91	3.13	--	W
Pacific Contiguous	4.38	3.24	35.0%	4.84	3.64	4.07	3.02
California	4.41	3.23	37.0%	4.94	3.63	4.09	3.02
Oregon	W	W	W	4.28	2.36	W	W
Washington	W	W	W	4.50	4.24	W	W
Pacific Noncontiguous	4.75	3.81	25.0%	4.75	3.81	--	--
Alaska	4.75	3.81	25.0%	4.75	3.81	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.45	3.13	42.0%	4.65	3.40	4.22	2.90

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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 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) June 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	June 2013 YTD	June 2012 YTD	Percentage Change	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	6.93	3.26	113.0%	9.08	4.15	6.92	3.25
Connecticut	6.88	3.26	111.0%	--	3.11	6.88	3.26
Maine	W	W	W	--	--	W	W
Massachusetts	6.90	3.13	120.0%	8.00	4.10	6.90	3.12
New Hampshire	12.02	W	W	12.02	7.12	--	W
Rhode Island	W	3.46	W	--	--	W	3.46
Vermont	--	3.70	--	--	3.70	--	--
Middle Atlantic	4.94	3.24	52.0%	5.50	3.54	4.86	3.20
New Jersey	4.73	3.27	45.0%	--	--	4.73	3.27
New York	5.63	3.56	58.0%	5.50	3.54	5.69	3.57
Pennsylvania	4.25	2.84	50.0%	--	NM	4.25	2.84
East North Central	4.18	2.78	50.0%	4.20	2.78	4.17	2.78
Illinois	W	2.92	W	4.92	2.96	W	2.91
Indiana	W	2.72	W	4.06	2.68	W	2.85
Michigan	4.53	2.83	60.0%	4.53	2.75	4.52	2.85
Ohio	3.92	2.65	48.0%	3.95	2.60	3.90	2.66
Wisconsin	4.39	2.90	51.0%	4.53	3.10	4.25	2.65
West North Central	4.58	3.26	40.0%	4.60	3.34	4.48	2.77
Iowa	4.72	W	W	4.72	3.62	--	W
Kansas	4.44	2.90	53.0%	4.44	2.90	--	--
Minnesota	W	W	W	4.68	3.67	W	W
Missouri	W	W	W	4.45	3.12	W	W
Nebraska	5.60	3.87	45.0%	5.60	3.87	--	--
North Dakota	--	NM	--	--	NM	--	--
South Dakota	4.06	3.12	30.0%	4.06	3.12	--	--
South Atlantic	4.85	3.92	24.0%	4.92	4.22	4.42	2.96
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	2.91	--	--	2.91	--	--
Florida	5.06	4.49	13.0%	5.12	4.65	3.26	2.92
Georgia	4.41	2.94	50.0%	4.39	2.94	4.49	2.93
Maryland	W	2.76	W	--	--	W	2.76
North Carolina	W	W	W	4.86	4.10	W	W
South Carolina	W	W	W	4.48	3.25	W	W
Virginia	4.36	3.06	42.0%	4.57	3.04	4.03	3.09
West Virginia	4.57	3.05	50.0%	3.76	2.87	4.70	3.06
East South Central	4.08	2.68	52.0%	4.05	2.66	4.13	2.69
Alabama	4.13	2.74	51.0%	4.07	2.82	4.17	2.71
Kentucky	W	W	W	5.67	3.03	W	W
Mississippi	W	W	W	3.91	2.59	W	W
Tennessee	4.18	2.48	69.0%	4.18	2.48	--	--
West South Central	3.96	2.61	52.0%	4.06	2.69	3.90	2.57
Arkansas	4.04	2.71	49.0%	5.62	3.21	3.93	2.61
Louisiana	3.97	2.58	54.0%	4.02	2.61	3.84	2.50
Oklahoma	4.04	2.68	51.0%	4.06	2.78	3.98	2.46
Texas	3.93	2.60	51.0%	4.05	2.66	3.90	2.58
Mountain	4.49	3.18	41.0%	4.59	3.25	4.24	3.08
Arizona	4.71	3.13	50.0%	5.23	3.39	4.17	2.88
Colorado	4.87	3.76	30.0%	4.93	3.76	4.77	3.75
Idaho	W	W	W	4.71	4.15	W	W
Montana	--	W	W	--	3.07	--	W
Nevada	W	3.15	W	4.40	3.18	W	3.05
New Mexico	4.26	W	W	4.26	3.05	--	W
Utah	4.00	W	W	4.00	2.70	--	W
Wyoming	8.54	W	W	8.54	3.57	--	W
Pacific Contiguous	4.32	3.20	35.0%	4.66	3.55	4.05	3.01
California	4.39	3.23	36.0%	4.78	3.59	4.11	3.04
Oregon	W	W	W	3.77	2.92	W	W
Washington	W	W	W	4.77	3.62	W	W
Pacific Noncontiguous	4.59	4.22	8.8%	4.59	4.22	--	--
Alaska	4.59	4.22	8.8%	4.59	4.22	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.53	3.14	44.0%	4.59	3.45	4.46	2.88

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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, June 2013

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	277	0.80	9.0	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	1.05	7.2	0	--	--	0	--	--
Massachusetts	204	0.66	8.9	0	--	--	0	--	--
New Hampshire	71	1.16	9.3	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,700	2.79	10.8	105	0.24	5.4	0	--	--
New Jersey	105	1.55	7.9	0	--	--	0	--	--
New York	174	2.30	9.6	105	0.24	5.4	0	--	--
Pennsylvania	2,421	2.89	11.1	0	--	--	0	--	--
East North Central	6,926	2.89	9.7	8,713	0.25	4.8	0	--	--
Illinois	725	3.39	18.2	3,972	0.22	4.7	0	--	--
Indiana	2,630	2.82	9.0	404	0.23	4.8	0	--	--
Michigan	364	1.66	8.4	2,351	0.29	4.8	0	--	--
Ohio	3,097	3.06	9.0	112	0.35	5.6	0	--	--
Wisconsin	111	1.43	7.3	1,874	0.27	5.0	0	--	--
West North Central	80	3.12	9.3	8,732	0.28	5.0	1,474	0.75	9.4
Iowa	34	3.50	8.0	1,618	0.27	4.9	0	--	--
Kansas	14	2.76	13.1	1,539	0.32	5.0	0	--	--
Minnesota	0	--	--	875	0.33	5.3	0	--	--
Missouri	33	2.88	9.1	3,142	0.24	4.8	0	--	--
Nebraska	0	--	--	1,358	0.28	5.2	0	--	--
North Dakota	0	--	--	45	0.33	4.7	1,474	0.75	9.4
South Dakota	0	--	--	154	0.49	7.0	0	--	--
South Atlantic	8,041	1.94	10.9	982	0.27	4.6	0	--	--
Delaware	44	1.56	8.5	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,837	2.15	9.2	0	--	--	0	--	--
Georgia	517	1.38	9.5	952	0.27	4.6	0	--	--
Maryland	526	1.68	10.6	31	0.20	4.7	0	--	--
North Carolina	1,230	1.49	10.0	0	--	--	0	--	--
South Carolina	685	1.51	9.0	0	--	--	0	--	--
Virginia	910	1.02	16.1	0	--	--	0	--	--
West Virginia	2,291	2.69	11.9	0	--	--	0	--	--
East South Central	4,846	2.47	9.8	1,847	0.25	4.9	220	0.49	14.0
Alabama	878	1.64	10.5	872	0.23	4.8	0	--	--
Kentucky	2,957	2.89	9.9	201	0.32	5.5	0	--	--
Mississippi	158	2.22	9.5	0	--	--	220	0.49	14.0
Tennessee	853	1.96	8.7	773	0.26	5.0	0	--	--
West South Central	67	2.00	17.5	8,634	0.27	5.0	4,194	1.06	16.7
Arkansas	0	--	--	1,455	0.24	5.0	0	--	--
Louisiana	27	3.17	8.5	854	0.28	5.1	258	1.06	16.5
Oklahoma	40	1.15	24.1	1,505	0.23	4.8	0	--	--
Texas	0	--	--	4,820	0.29	5.1	3,936	1.06	16.7
Mountain	2,612	0.64	13.8	5,639	0.53	9.9	0	--	--
Arizona	682	0.62	10.6	1,112	0.68	10.3	0	--	--
Colorado	277	0.52	10.7	1,049	0.32	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	574	0.66	9.0	0	--	--
Nevada	12	0.34	11.8	141	0.36	7.7	0	--	--
New Mexico	515	0.88	25.8	741	0.70	23.0	0	--	--
Utah	1,125	0.59	11.9	56	1.11	8.9	0	--	--
Wyoming	0	--	--	1,967	0.45	7.4	0	--	--
Pacific Contiguous	77	0.82	10.3	145	0.33	8.6	0	--	--
California	77	0.82	10.3	0	--	--	0	--	--
Oregon	0	--	--	14	0.21	4.9	0	--	--
Washington	0	--	--	131	0.34	9.0	0	--	--
Pacific Noncontiguous	60	1.34	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	60	1.34	4.5	0	--	--	0	--	--
U.S. Total	25,685	2.25	10.6	34,796	0.31	5.8	5,888	0.97	14.8

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, June 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	71	1.16	9.3	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	71	1.16	9.3	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	5,743	2.87	9.0	4,918	0.27	4.9	0	--	--
Illinois	252	3.28	10.8	313	0.22	4.8	0	--	--
Indiana	2,433	2.77	8.9	404	0.23	4.8	0	--	--
Michigan	340	1.67	8.4	2,347	0.29	4.8	0	--	--
Ohio	2,642	3.13	9.0	0	--	--	0	--	--
Wisconsin	76	1.56	7.5	1,854	0.27	5.0	0	--	--
West North Central	40	2.70	10.4	8,650	0.28	5.0	1,474	0.75	9.4
Iowa	0	--	--	1,537	0.27	4.9	0	--	--
Kansas	14	2.76	13.1	1,539	0.32	5.0	0	--	--
Minnesota	0	--	--	875	0.33	5.3	0	--	--
Missouri	26	2.68	9.0	3,142	0.24	4.8	0	--	--
Nebraska	0	--	--	1,358	0.28	5.2	0	--	--
North Dakota	0	--	--	45	0.33	4.7	1,474	0.75	9.4
South Dakota	0	--	--	154	0.49	7.0	0	--	--
South Atlantic	6,320	1.81	10.8	952	0.27	4.6	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,748	2.21	9.1	0	--	--	0	--	--
Georgia	492	1.39	9.5	952	0.27	4.6	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,230	1.49	10.0	0	--	--	0	--	--
South Carolina	668	1.53	9.0	0	--	--	0	--	--
Virginia	804	1.01	17.0	0	--	--	0	--	--
West Virginia	1,380	2.33	11.7	0	--	--	0	--	--
East South Central	4,678	2.51	9.9	1,847	0.25	4.9	0	--	--
Alabama	878	1.64	10.5	872	0.23	4.8	0	--	--
Kentucky	2,957	2.89	9.9	201	0.32	5.5	0	--	--
Mississippi	112	1.86	10.0	0	--	--	0	--	--
Tennessee	731	2.16	8.8	773	0.26	5.0	0	--	--
West South Central	27	3.17	8.5	5,472	0.25	4.9	941	1.32	18.9
Arkansas	0	--	--	1,306	0.24	4.9	0	--	--
Louisiana	27	3.17	8.5	391	0.28	5.3	258	1.06	16.5
Oklahoma	0	--	--	1,435	0.24	4.8	0	--	--
Texas	0	--	--	2,340	0.26	5.0	682	1.44	19.9
Mountain	2,579	0.65	13.9	5,020	0.52	10.0	0	--	--
Arizona	682	0.62	10.6	1,112	0.68	10.3	0	--	--
Colorado	277	0.52	10.7	1,049	0.32	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	12	0.34	11.8	95	0.39	8.7	0	--	--
New Mexico	515	0.88	25.8	741	0.70	23.0	0	--	--
Utah	1,093	0.60	12.0	56	1.11	8.9	0	--	--
Wyoming	0	--	--	1,967	0.45	7.4	0	--	--
Pacific Contiguous	0	--	--	14	0.21	4.9	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	14	0.21	4.9	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,460	2.15	10.4	26,872	0.32	5.9	2,415	0.97	13.0

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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, June 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	205	0.67	8.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	1.05	8.8	0	--	--	0	--	--
Massachusetts	204	0.66	8.9	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,663	2.82	10.8	105	0.24	5.4	0	--	--
New Jersey	105	1.55	7.9	0	--	--	0	--	--
New York	141	2.56	9.5	105	0.24	5.4	0	--	--
Pennsylvania	2,416	2.89	11.1	0	--	--	0	--	--
East North Central	1,028	3.05	14.6	3,742	0.22	4.7	0	--	--
Illinois	388	3.59	26.7	3,627	0.21	4.6	0	--	--
Indiana	196	3.40	10.8	0	--	--	0	--	--
Michigan	8	1.12	8.6	4	0.22	4.7	0	--	--
Ohio	436	2.62	8.9	112	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	1,595	2.48	11.3	31	0.20	4.7	0	--	--
Delaware	44	1.56	8.5	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	89	1.02	11.8	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	500	1.67	10.1	31	0.20	4.7	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	76	0.80	10.9	0	--	--	0	--	--
West Virginia	886	3.29	12.1	0	--	--	0	--	--
East South Central	46	3.14	8.4	0	--	--	220	0.49	14.0
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	46	3.14	8.4	0	--	--	220	0.49	14.0
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	40	1.15	24.1	3,162	0.32	5.2	3,253	0.99	16.1
Arkansas	0	--	--	148	0.23	5.2	0	--	--
Louisiana	0	--	--	463	0.27	4.9	0	--	--
Oklahoma	40	1.15	24.1	70	0.20	4.6	0	--	--
Texas	0	--	--	2,480	0.33	5.3	3,253	0.99	16.1
Mountain	0	--	--	620	0.63	8.8	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	574	0.66	9.0	0	--	--
Nevada	0	--	--	46	0.28	5.4	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	33	1.17	10.5	131	0.34	9.0	0	--	--
California	33	1.17	10.5	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	131	0.34	9.0	0	--	--
Pacific Noncontiguous	60	1.34	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	60	1.34	4.5	0	--	--	0	--	--
U.S. Total	5,669	2.65	11.5	7,790	0.29	5.3	3,473	0.97	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, June 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	9	2.35	9.0	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	9	2.35	9.0	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	6	3.69	9.4	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	6	3.69	9.4	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	16	2.91	9.2	0	--	--	0	--	--

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

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, June 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	2	1.05	6.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	1.05	6.2	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	37	1.27	10.2	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	33	1.18	10.1	0	--	--	0	--	--
Pennsylvania	5	1.94	10.8	0	--	--	0	--	--
East North Central	145	2.54	8.4	52	0.54	5.9	0	--	--
Illinois	85	3.00	8.5	32	0.71	6.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	7	0.50	7.0	0	--	--	0	--	--
Ohio	20	3.87	11.4	0	--	--	0	--	--
Wisconsin	34	1.10	6.6	20	0.27	5.0	0	--	--
West North Central	34	3.50	8.0	82	0.22	4.4	0	--	--
Iowa	34	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	125	1.37	12.1	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	25	1.21	9.2	0	--	--	0	--	--
Maryland	26	1.77	22.3	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	17	0.70	9.1	0	--	--	0	--	--
Virginia	31	1.82	8.7	0	--	--	0	--	--
West Virginia	26	1.07	12.3	0	--	--	0	--	--
East South Central	122	0.90	8.1	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	122	0.90	8.1	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	32	0.32	9.7	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	32	0.32	9.7	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	44	0.54	10.2	0	--	--	0	--	--
California	44	0.54	10.2	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	541	1.54	9.5	134	0.35	5.0	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 - June 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
Year to Date					
2011	687,468	638,593	484,997	3,901	1,814,959
2012	645,081	635,283	485,710	3,751	1,769,826
2013	663,550	639,881	471,769	3,817	1,779,017
Rolling 12 Months Ending in June					
2012	1,380,415	1,324,748	992,029	7,523	3,704,714
2013	1,393,063	1,328,442	966,896	7,569	3,695,971

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 - June 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
Year to Date					
2011	78,818	64,481	32,373	408	176,080
2012	75,813	63,521	31,822	369	171,526
2013	78,972	64,795	31,431	396	175,594
Rolling 12 Months Ending in June					
2012	163,709	134,966	67,055	764	366,495
2013	166,511	135,181	65,300	781	367,773

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2013 and 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - June 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
Year to Date					
2011	11.47	10.10	6.67	10.46	9.70
2012	11.75	10.00	6.55	9.84	9.69
2013	11.90	10.13	6.66	10.36	9.87
Rolling 12 Months Ending in June					
2012	11.86	10.19	6.76	10.16	9.89
2013	11.95	10.18	6.75	10.31	9.95

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 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, June 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	3,808	3,715	3,880	3,829	2,270	2,357	44	44	10,001	9,945
Connecticut	1,006	977	1,112	1,086	293	313	14	15	2,425	2,391
Maine	406	400	392	396	280	278	0	0	1,078	1,073
Massachusetts	1,638	1,608	1,509	1,482	1,332	1,406	28	28	4,506	4,524
New Hampshire	339	325	371	371	165	159	0	0	875	854
Rhode Island	267	249	321	327	81	83	2	2	671	660
Vermont	152	156	174	168	119	118	0	0	445	442
Middle Atlantic	10,957	11,005	13,494	13,513	5,748	5,544	346	315	30,546	30,377
New Jersey	2,683	2,708	3,365	3,285	601	655	47	25	6,697	6,673
New York	4,147	4,149	6,474	6,524	1,164	1,124	227	219	12,012	12,015
Pennsylvania	4,127	4,149	3,655	3,703	3,983	3,765	72	71	11,837	11,689
East North Central	14,813	17,130	15,755	16,344	16,198	17,058	47	49	46,813	50,581
Illinois	3,831	4,527	4,309	4,451	3,497	3,790	43	45	11,680	12,813
Indiana	2,592	2,963	2,094	2,187	3,855	3,986	1	2	8,542	9,138
Michigan	2,607	3,083	3,337	3,509	2,622	2,738	0	1	8,567	9,331
Ohio	4,090	4,562	4,086	4,151	4,267	4,519	3	2	12,446	13,235
Wisconsin	1,692	1,994	1,928	2,045	1,957	2,025	0	0	5,577	6,064
West North Central	8,060	9,276	8,498	8,782	7,416	7,754	3	3	23,977	25,815
Iowa	1,055	1,250	990	1,076	1,688	1,672	0	0	3,733	3,998
Kansas	1,245	1,461	1,406	1,451	915	917	0	0	3,566	3,829
Minnesota	1,673	1,859	1,862	1,933	1,855	1,936	2	1	5,392	5,730
Missouri	2,819	3,237	2,727	2,766	1,397	1,504	1	2	6,945	7,508
Nebraska	685	864	757	803	946	1,083	0	0	2,388	2,750
North Dakota	276	272	394	377	399	421	0	0	1,069	1,069
South Dakota	307	332	362	376	216	222	0	0	885	931
South Atlantic	30,171	30,150	27,510	27,265	11,965	11,870	112	112	69,757	69,398
Delaware	361	384	367	394	215	226	0	0	943	1,004
District of Columbia	175	179	789	773	20	19	31	29	1,016	1,000
Florida	10,659	10,665	8,368	8,190	1,511	1,449	8	8	20,546	20,312
Georgia	5,006	5,042	4,135	4,219	2,691	2,632	12	13	11,845	11,906
Maryland	2,182	2,201	2,786	2,712	363	466	44	45	5,374	5,424
North Carolina	4,714	4,751	4,220	4,187	2,291	2,313	1	1	11,226	11,251
South Carolina	2,597	2,584	1,949	1,923	2,413	2,371	0	0	6,959	6,878
Virginia	3,631	3,533	4,207	4,182	1,464	1,483	16	17	9,318	9,216
West Virginia	846	810	688	686	996	911	0	0	2,530	2,407
East South Central	9,881	10,436	8,307	7,430	8,959	9,954	0	0	27,148	27,820
Alabama	2,900	2,969	2,033	2,003	2,935	2,788	0	0	7,869	7,760
Kentucky	2,112	2,296	2,101	1,653	2,793	3,325	0	0	7,006	7,274
Mississippi	1,601	1,713	1,232	1,250	1,420	1,393	0	0	4,253	4,356
Tennessee	3,267	3,458	2,941	2,524	1,811	2,449	0	0	8,020	8,431
West South Central	19,857	20,916	17,347	17,178	13,453	13,432	7	7	50,664	51,534
Arkansas	1,432	1,619	1,061	1,109	1,379	1,461	NM	NM	3,872	4,189
Louisiana	2,800	3,004	2,195	2,262	2,720	2,706	1	1	7,716	7,973
Oklahoma	2,105	2,276	1,873	1,809	1,421	1,414	0	0	5,398	5,499
Texas	13,520	14,017	12,218	11,999	7,934	7,851	6	6	33,678	33,873
Mountain	9,295	9,185	8,544	8,517	7,638	7,457	10	8	25,487	25,168
Arizona	3,814	3,728	2,813	2,780	1,061	1,065	0	0	7,688	7,573
Colorado	1,568	1,609	1,742	1,813	1,338	1,368	5	4	4,653	4,795
Idaho	570	563	495	484	1,212	1,134	0	0	2,276	2,181
Montana	309	332	391	388	354	343	0	0	1,054	1,063
Nevada	1,455	1,327	926	865	1,259	1,225	1	1	3,641	3,418
New Mexico	618	621	891	873	643	643	0	0	2,152	2,137
Utah	791	813	980	953	881	809	4	3	2,656	2,578
Wyoming	171	191	305	362	892	870	0	0	1,368	1,424
Pacific Contiguous	10,544	10,813	13,852	14,308	7,318	7,374	62	71	31,776	32,565
California	7,092	7,157	10,377	10,720	4,015	3,997	60	68	21,544	21,943
Oregon	1,230	1,262	1,274	1,270	1,038	1,031	2	2	3,544	3,564
Washington	2,221	2,393	2,201	2,318	2,265	2,347	0	1	6,688	7,058
Pacific Noncontiguous	350	367	487	483	411	403	0	0	1,248	1,254
Alaska	139	147	219	217	110	101	0	0	468	466
Hawaii	211	220	268	266	301	302	0	0	780	788
U.S. Total	117,736	122,992	117,674	117,651	81,376	83,202	631	610	317,416	324,455

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	23,396	22,240	21,722	21,451	13,174	13,460	294	285	58,586	57,436
Connecticut	6,380	6,007	6,309	6,230	1,641	1,732	97	96	14,427	14,065
Maine	2,312	2,195	1,985	1,973	1,511	1,499	0	0	5,808	5,666
Massachusetts	9,918	9,441	8,483	8,380	7,905	8,116	183	175	26,489	26,113
New Hampshire	2,236	2,145	2,181	2,142	949	945	0	0	5,365	5,232
Rhode Island	1,515	1,426	1,764	1,752	457	464	14	14	3,750	3,655
Vermont	1,035	1,027	1,000	973	712	704	0	0	2,747	2,704
Middle Atlantic	64,536	61,786	76,065	75,821	33,913	34,126	2,041	1,988	176,556	173,720
New Jersey	13,160	12,868	18,395	18,708	3,664	3,923	163	150	35,383	35,649
New York	24,004	23,381	36,512	36,138	6,716	6,389	1,429	1,395	68,661	67,303
Pennsylvania	27,372	25,537	21,158	20,975	23,533	23,814	449	442	72,512	70,768
East North Central	91,305	88,946	88,924	88,533	96,531	101,260	331	309	277,092	279,048
Illinois	22,087	21,461	24,693	24,291	21,654	22,211	293	276	68,727	68,239
Indiana	16,259	15,628	11,777	11,649	23,032	24,165	11	10	51,079	51,453
Michigan	16,489	16,393	18,387	18,616	14,982	15,704	3	4	49,861	50,716
Ohio	25,651	24,818	22,762	22,680	25,500	27,535	25	18	73,937	75,051
Wisconsin	10,820	10,646	11,305	11,298	11,362	11,646	0	0	33,488	33,590
West North Central	51,487	49,167	48,532	48,011	42,444	43,902	21	20	142,484	141,099
Iowa	7,118	6,783	5,937	5,891	9,589	9,644	0	0	22,644	22,318
Kansas	6,253	6,243	7,360	7,475	5,111	5,331	0	0	18,725	19,048
Minnesota	11,171	10,822	10,952	10,843	10,723	11,147	10	9	32,855	32,822
Missouri	16,912	16,126	14,891	14,704	8,371	8,832	12	11	40,185	39,673
Nebraska	4,931	4,712	4,453	4,459	4,932	5,237	0	0	14,316	14,408
North Dakota	2,662	2,236	2,680	2,445	2,477	2,418	0	0	7,819	7,099
South Dakota	2,440	2,243	2,258	2,194	1,241	1,293	0	0	5,940	5,731
South Atlantic	163,592	156,881	146,082	145,907	68,345	69,721	661	646	378,679	373,156
Delaware	2,244	2,108	2,021	2,060	1,292	1,366	0	0	5,557	5,534
District of Columbia	973	904	4,089	4,209	116	112	158	157	5,336	5,383
Florida	51,502	51,139	43,538	43,674	8,280	8,289	45	42	103,366	103,144
Georgia	25,672	25,299	22,057	22,230	15,256	15,634	79	78	63,063	63,241
Maryland	13,387	12,488	14,836	14,641	1,967	2,525	275	269	30,465	29,922
North Carolina	27,405	25,685	22,472	22,341	13,065	13,257	4	4	62,946	61,287
South Carolina	13,832	13,258	10,113	10,222	14,008	14,076	0	0	37,952	37,556
Virginia	22,497	20,447	23,144	22,724	8,268	8,559	98	94	54,008	51,824
West Virginia	6,081	5,553	3,810	3,806	6,093	5,902	2	2	15,986	15,263
East South Central	56,518	54,084	42,631	39,392	57,012	62,547	1	1	156,161	156,024
Alabama	14,941	14,449	10,636	10,514	16,732	16,922	0	0	42,309	41,885
Kentucky	13,191	12,470	9,584	8,926	20,978	23,013	0	0	43,753	44,410
Mississippi	8,486	8,269	6,386	6,487	8,135	8,345	0	0	23,006	23,101
Tennessee	19,900	18,897	16,025	13,465	11,167	14,266	1	1	47,094	46,628
West South Central	94,749	94,450	88,429	88,392	76,202	77,125	38	40	259,417	260,007
Arkansas	8,582	8,195	5,542	5,673	7,945	8,289	NM	NM	22,069	22,157
Louisiana	13,613	13,675	11,269	11,506	15,304	15,347	5	5	40,191	40,534
Oklahoma	10,529	10,328	9,235	9,416	7,957	8,077	0	0	27,721	27,821
Texas	62,025	62,252	62,383	61,796	44,996	45,412	32	34	169,435	169,495
Mountain	44,944	43,982	44,914	44,966	40,232	39,774	61	49	130,151	128,771
Arizona	14,827	14,654	13,969	13,956	6,103	6,110	0	0	34,899	34,720
Colorado	8,814	8,602	9,566	9,572	7,454	7,498	29	26	25,862	25,697
Idaho	4,289	4,105	2,951	2,898	4,494	4,283	0	0	11,733	11,286
Montana	2,509	2,467	2,377	2,390	2,047	1,996	0	0	6,932	6,853
Nevada	5,456	5,295	4,367	4,402	6,632	6,664	4	4	16,460	16,365
New Mexico	3,254	3,255	4,407	4,422	3,585	3,511	0	0	11,246	11,188
Utah	4,307	4,182	5,257	5,139	4,879	4,737	28	19	14,472	14,077
Wyoming	1,489	1,422	2,020	2,187	5,039	4,976	0	0	8,547	8,586
Pacific Contiguous	70,654	71,079	79,608	79,790	41,520	41,337	369	414	192,152	192,620
California	41,484	41,609	57,282	57,390	22,089	21,898	355	398	121,210	121,296
Oregon	9,793	9,895	7,796	7,709	5,783	5,777	11	13	23,383	23,394
Washington	19,377	19,574	14,531	14,691	13,647	13,661	3	4	47,558	47,931
Pacific Noncontiguous	2,369	2,467	2,973	3,022	2,398	2,457	0	0	7,740	7,946
Alaska	1,091	1,104	1,420	1,446	649	677	0	0	3,161	3,226
Hawaii	1,277	1,364	1,554	1,576	1,748	1,780	0	0	4,579	4,720
U.S. Total	663,550	645,081	639,881	635,283	471,769	485,710	3,817	3,751	1,779,017	1,769,826

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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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, June 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	625	594	546	529	277	296	5	3	1,452	1,421
Connecticut	179	169	163	159	37	40	1	1	380	369
Maine	57	57	43	43	21	21	0	0	122	120
Massachusetts	260	249	218	213	178	195	4	1	659	659
New Hampshire	57	54	50	50	19	19	0	0	125	122
Rhode Island	45	38	45	40	10	9	0	0	100	88
Vermont	27	27	26	24	12	12	0	0	65	63
Middle Atlantic	1,771	1,722	1,830	1,827	418	424	42	39	4,061	4,013
New Jersey	430	425	463	446	69	72	5	2	967	945
New York	801	760	1,031	1,040	75	78	32	31	1,939	1,910
Pennsylvania	540	537	335	342	275	273	6	5	1,155	1,158
East North Central	1,853	2,074	1,526	1,546	1,080	1,118	3	3	4,462	4,741
Illinois	388	508	335	354	200	219	2	3	925	1,085
Indiana	289	308	198	198	254	254	0	0	741	761
Michigan	403	436	386	390	217	217	0	0	1,006	1,043
Ohio	530	554	391	385	260	275	0	0	1,181	1,214
Wisconsin	244	268	215	218	150	153	0	0	609	639
West North Central	985	1,057	837	805	518	510	0	0	2,341	2,373
Iowa	127	142	89	91	97	92	0	0	313	324
Kansas	151	170	139	139	67	67	0	0	357	376
Minnesota	215	220	194	179	137	131	0	0	546	530
Missouri	348	370	279	263	103	103	0	0	730	737
Nebraska	80	92	69	70	69	75	0	0	218	237
North Dakota	30	29	36	33	30	28	0	0	95	90
South Dakota	35	34	32	31	15	15	0	0	81	80
South Atlantic	3,520	3,523	2,607	2,569	808	797	10	10	6,944	6,899
Delaware	48	54	37	40	18	20	0	0	103	114
District of Columbia	22	24	93	93	1	1	3	2	119	120
Florida	1,203	1,235	783	793	119	120	1	1	2,106	2,149
Georgia	609	590	424	400	180	167	1	1	1,214	1,158
Maryland	305	290	304	290	30	37	4	4	643	621
North Carolina	520	518	369	360	149	149	0	0	1,038	1,027
South Carolina	312	314	200	190	151	145	0	0	663	649
Virginia	418	420	341	348	98	101	1	1	858	870
West Virginia	82	80	55	55	62	57	0	0	199	192
East South Central	1,070	1,084	822	739	598	669	0	0	2,490	2,492
Alabama	338	341	222	214	203	198	0	0	763	753
Kentucky	212	215	168	146	163	188	0	0	543	549
Mississippi	178	174	127	115	103	95	0	0	409	385
Tennessee	342	353	305	264	129	188	0	0	776	805
West South Central	2,177	2,155	1,428	1,367	824	726	1	1	4,430	4,249
Arkansas	144	155	87	87	86	89	NM	NM	317	331
Louisiana	270	240	197	164	165	112	0	0	632	516
Oklahoma	214	215	156	135	84	73	0	0	454	423
Texas	1,548	1,545	989	981	489	452	1	1	3,026	2,979
Mountain	1,101	1,054	843	804	532	492	1	1	2,477	2,351
Arizona	464	443	297	281	76	75	0	0	837	798
Colorado	195	192	183	179	103	96	1	0	481	468
Idaho	58	50	39	34	84	71	0	0	182	155
Montana	34	35	38	35	20	17	0	0	92	87
Nevada	168	157	78	75	90	91	0	0	336	322
New Mexico	77	75	91	85	44	39	0	0	212	200
Utah	86	84	90	84	58	51	0	0	234	220
Wyoming	18	20	27	30	57	53	0	0	102	102
Pacific Contiguous	1,562	1,490	2,033	1,938	644	607	5	5	4,244	4,040
California	1,241	1,156	1,757	1,655	492	458	4	5	3,495	3,275
Oregon	125	126	107	106	61	56	0	0	293	289
Washington	196	208	168	176	92	93	0	0	455	477
Pacific Noncontiguous	104	115	124	131	106	115	0	0	334	361
Alaska	26	27	35	33	17	16	0	0	77	75
Hawaii	78	88	90	98	89	99	0	0	257	285
U.S. Total	14,768	14,869	12,596	12,254	5,805	5,754	67	62	33,236	32,939

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through June 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	3,714	3,548	3,059	2,967	1,601	1,613	32	20	8,407	8,147
Connecticut	1,108	1,044	931	920	208	221	10	10	2,257	2,195
Maine	332	322	233	231	130	115	0	0	695	668
Massachusetts	1,489	1,449	1,215	1,168	1,025	1,045	21	8	3,751	3,670
New Hampshire	369	351	297	290	110	110	0	0	776	750
Rhode Island	237	208	236	218	56	51	2	2	531	479
Vermont	179	174	147	140	73	71	0	0	398	385
Middle Atlantic	9,915	9,348	9,712	9,668	2,465	2,562	247	235	22,339	21,813
New Jersey	2,040	2,051	2,299	2,377	381	406	17	14	4,737	4,849
New York	4,437	3,994	5,446	5,318	439	434	195	187	10,517	9,932
Pennsylvania	3,438	3,303	1,968	1,973	1,644	1,722	35	34	7,085	7,032
East North Central	10,877	10,661	8,445	8,432	6,292	6,560	19	19	25,634	25,673
Illinois	2,310	2,521	1,950	2,016	1,232	1,330	16	17	5,509	5,883
Indiana	1,738	1,631	1,114	1,072	1,505	1,551	1	1	4,358	4,255
Michigan	2,370	2,263	2,026	2,011	1,171	1,183	0	0	5,567	5,458
Ohio	2,990	2,842	2,140	2,151	1,537	1,644	2	1	6,669	6,639
Wisconsin	1,470	1,403	1,215	1,183	846	852	0	0	3,530	3,438
West North Central	5,446	5,032	4,263	3,961	2,735	2,661	2	1	12,446	11,655
Iowa	763	714	486	453	525	491	0	0	1,773	1,658
Kansas	715	683	701	675	360	365	0	0	1,776	1,723
Minnesota	1,300	1,202	1,028	935	745	717	1	1	3,073	2,854
Missouri	1,719	1,577	1,272	1,171	497	496	1	1	3,488	3,245
Nebraska	478	444	374	362	351	351	0	0	1,204	1,158
North Dakota	231	195	217	190	174	159	0	0	622	543
South Dakota	240	217	186	174	84	83	0	0	510	474
South Atlantic	18,266	17,674	13,617	13,697	4,355	4,458	57	53	36,296	35,882
Delaware	295	287	208	205	109	109	0	0	612	600
District of Columbia	119	112	486	514	7	6	15	13	627	645
Florida	5,806	5,857	4,146	4,268	634	666	4	4	10,591	10,795
Georgia	2,817	2,710	2,163	2,090	908	883	6	6	5,894	5,689
Maryland	1,718	1,599	1,548	1,551	164	204	24	21	3,454	3,376
North Carolina	2,917	2,746	1,922	1,899	800	821	0	0	5,639	5,467
South Carolina	1,618	1,533	985	963	805	826	0	0	3,408	3,322
Virginia	2,392	2,285	1,843	1,887	547	572	8	8	4,790	4,752
West Virginia	582	545	317	320	382	372	0	0	1,281	1,237
East South Central	5,841	5,502	4,199	3,856	3,289	3,720	0	0	13,330	13,078
Alabama	1,673	1,620	1,119	1,106	982	1,020	0	0	3,774	3,746
Kentucky	1,270	1,155	832	775	1,098	1,224	0	0	3,200	3,154
Mississippi	906	851	637	606	508	507	0	0	2,051	1,964
Tennessee	1,993	1,877	1,611	1,369	701	969	0	0	4,304	4,215
West South Central	10,028	9,688	7,192	7,125	4,371	4,132	4	4	21,595	20,948
Arkansas	798	738	441	429	456	448	NM	NM	1,696	1,615
Louisiana	1,256	1,130	1,007	899	892	728	1	0	3,154	2,757
Oklahoma	1,001	973	693	675	415	410	0	0	2,109	2,059
Texas	6,974	6,847	5,051	5,122	2,608	2,545	3	4	14,636	14,518
Mountain	4,931	4,677	4,111	3,952	2,484	2,351	6	5	11,531	10,985
Arizona	1,689	1,619	1,357	1,301	391	379	0	0	3,437	3,299
Colorado	1,018	948	919	867	527	503	3	2	2,467	2,321
Idaho	378	333	210	193	259	227	0	0	846	754
Montana	255	243	225	217	107	98	0	0	587	558
Nevada	638	636	380	390	375	388	0	0	1,395	1,414
New Mexico	372	359	414	396	223	200	0	0	1,009	955
Utah	434	403	434	411	280	258	3	2	1,151	1,074
Wyoming	147	136	171	178	321	297	0	0	640	610
Pacific Contiguous	9,285	8,973	9,445	9,092	3,209	3,096	27	32	21,966	21,192
California	6,667	6,361	7,671	7,322	2,322	2,225	26	31	16,685	15,938
Oregon	958	964	652	644	331	317	1	1	1,942	1,926
Washington	1,659	1,648	1,123	1,126	556	554	0	0	3,339	3,328
Pacific Noncontiguous	669	710	751	771	631	669	0	0	2,051	2,151
Alaska	194	197	215	215	104	116	0	0	514	528
Hawaii	475	513	535	556	527	554	0	0	1,537	1,623
U.S. Total	78,972	75,813	64,795	63,521	31,431	31,822	396	369	175,594	171,526

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.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, June 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012	June 2013	June 2012
New England	16.41	16.00	14.06	13.80	12.18	12.54	12.47	6.48	14.52	14.29
Connecticut	17.77	17.32	14.69	14.60	12.58	12.62	10.24	9.06	15.69	15.42
Maine	14.16	14.27	11.00	10.77	7.59	7.48	--	--	11.30	11.22
Massachusetts	15.86	15.52	14.46	14.39	13.34	13.88	13.53	4.64	14.63	14.57
New Hampshire	16.73	16.53	13.53	13.40	11.25	11.71	--	--	14.34	14.28
Rhode Island	16.90	15.32	13.96	12.30	12.38	11.46	13.35	12.70	14.93	13.34
Vermont	17.77	17.11	14.83	14.41	10.30	10.14	--	--	14.62	14.23
Middle Atlantic	16.16	15.65	13.56	13.52	7.27	7.64	12.28	12.52	13.29	13.21
New Jersey	16.03	15.69	13.77	13.56	11.40	11.03	10.45	10.01	14.44	14.16
New York	19.31	18.32	15.93	15.94	6.42	6.97	14.09	14.36	16.14	15.90
Pennsylvania	13.09	12.95	9.17	9.22	6.89	7.26	7.69	7.70	9.76	9.90
East North Central	12.51	12.11	9.68	9.46	6.67	6.56	5.97	6.66	9.53	9.37
Illinois	10.12	11.23	7.77	7.95	5.72	5.78	5.71	6.53	7.92	8.46
Indiana	11.15	10.40	9.45	9.07	6.58	6.38	10.77	9.77	8.67	8.33
Michigan	15.47	14.14	11.57	11.12	8.26	7.92	9.27	7.21	11.75	11.18
Ohio	12.95	12.15	9.58	9.27	6.10	6.08	6.78	6.99	9.49	9.17
Wisconsin	14.39	13.43	11.17	10.67	7.64	7.57	--	--	10.91	10.54
West North Central	12.22	11.40	9.86	9.17	6.98	6.58	11.08	9.74	9.76	9.19
Iowa	12.03	11.34	8.98	8.44	5.76	5.47	--	--	8.39	8.11
Kansas	12.11	11.62	9.90	9.59	7.32	7.30	--	--	10.01	9.82
Minnesota	12.83	11.81	10.42	9.27	7.37	6.76	10.64	9.17	10.12	9.25
Missouri	12.34	11.44	10.24	9.51	7.37	6.86	11.55	10.23	10.51	9.81
Nebraska	11.69	10.68	9.10	8.72	7.34	6.92	--	--	9.14	8.62
North Dakota	10.94	10.56	9.03	8.65	7.40	6.75	--	--	8.92	8.39
South Dakota	11.29	10.38	8.77	8.17	6.95	6.59	--	--	9.20	8.58
South Atlantic	11.67	11.69	9.48	9.42	6.75	6.72	8.90	8.53	9.96	9.94
Delaware	13.18	13.96	10.20	10.15	8.53	8.88	--	--	10.96	11.32
District of Columbia	12.65	13.17	11.78	12.01	5.59	5.08	9.45	8.31	11.74	11.98
Florida	11.29	11.58	9.36	9.69	7.87	8.29	8.43	8.27	10.25	10.58
Georgia	12.17	11.70	10.26	9.47	6.68	6.36	10.05	8.85	10.25	9.72
Maryland	13.97	13.15	10.93	10.71	8.39	7.96	8.57	8.54	11.97	11.45
North Carolina	11.04	10.90	8.73	8.59	6.49	6.44	7.83	8.14	9.24	9.12
South Carolina	12.02	12.15	10.24	9.90	6.24	6.10	--	--	9.52	9.44
Virginia	11.51	11.88	8.11	8.32	6.68	6.79	8.15	8.77	9.21	9.44
West Virginia	9.74	9.91	8.01	8.00	6.21	6.28	12.56	8.60	7.88	7.99
East South Central	10.83	10.38	9.90	9.95	6.67	6.72	11.75	11.44	9.17	8.96
Alabama	11.66	11.47	10.91	10.69	6.90	7.10	--	--	9.69	9.70
Kentucky	10.04	9.38	8.01	8.83	5.82	5.65	--	--	7.75	7.55
Mississippi	11.14	10.19	10.34	9.22	7.27	6.85	--	--	9.61	8.84
Tennessee	10.46	10.21	10.35	10.45	7.15	7.67	11.75	11.44	9.67	9.55
West South Central	10.96	10.31	8.23	7.96	6.13	5.40	10.36	10.21	8.74	8.24
Arkansas	10.05	9.59	8.21	7.80	6.25	6.08	NM	NM	8.20	7.89
Louisiana	9.65	8.00	8.96	7.24	6.08	4.16	9.55	7.98	8.19	6.48
Oklahoma	10.18	9.43	8.32	7.48	5.92	5.16	--	--	8.42	7.69
Texas	11.45	11.03	8.09	8.18	6.16	5.75	10.49	10.56	8.99	8.79
Mountain	11.84	11.48	9.87	9.44	6.97	6.60	10.96	10.15	9.72	9.34
Arizona	12.18	11.87	10.55	10.10	7.14	7.01	--	--	10.89	10.54
Colorado	12.42	11.93	10.49	9.89	7.70	7.02	11.00	10.01	10.34	9.75
Idaho	10.19	8.84	7.98	7.02	6.97	6.24	--	--	8.00	7.09
Montana	11.06	10.44	9.81	9.12	5.62	4.86	--	--	8.77	8.16
Nevada	11.56	11.80	8.38	8.63	7.15	7.41	8.20	8.82	9.22	9.42
New Mexico	12.48	12.09	10.18	9.78	6.91	6.09	--	--	9.86	9.34
Utah	10.83	10.36	9.20	8.84	6.57	6.35	11.50	10.66	8.82	8.54
Wyoming	10.77	10.23	8.82	8.32	6.38	6.04	--	--	7.47	7.19
Pacific Contiguous	14.82	13.78	14.67	13.54	8.80	8.23	7.49	7.52	13.36	12.41
California	17.50	16.15	16.94	15.44	12.25	11.46	7.44	7.50	16.22	14.92
Oregon	10.16	9.96	8.43	8.38	5.88	5.46	8.93	8.37	8.28	8.10
Washington	8.82	8.70	7.62	7.58	4.04	3.94	8.50	7.72	6.81	6.75
Pacific Noncontiguous	29.68	31.21	25.59	27.13	25.74	28.54	--	--	26.79	28.78
Alaska	18.51	18.05	15.79	14.97	15.23	16.03	--	--	16.46	16.17
Hawaii	37.04	39.99	33.61	37.07	29.58	32.74	--	--	32.98	36.23
U.S. Total	12.54	12.09	10.70	10.42	7.13	6.92	10.70	10.22	10.47	10.15

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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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 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through June 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD	June 2013 YTD	June 2012 YTD
New England	15.88	15.95	14.08	13.83	12.15	11.98	11.01	6.92	14.35	14.19
Connecticut	17.37	17.38	14.76	14.77	12.71	12.77	9.78	10.09	15.65	15.61
Maine	14.37	14.69	11.73	11.71	8.58	7.67	--	--	11.96	11.79
Massachusetts	15.02	15.35	14.33	13.94	12.97	12.88	11.54	4.64	14.16	14.05
New Hampshire	16.51	16.35	13.62	13.52	11.57	11.65	--	--	14.46	14.34
Rhode Island	15.64	14.60	13.39	12.44	12.17	11.01	12.83	13.86	14.15	13.11
Vermont	17.25	16.94	14.69	14.40	10.22	10.02	--	--	14.49	14.23
Middle Atlantic	15.36	15.13	12.77	12.75	7.27	7.51	12.13	11.82	12.65	12.56
New Jersey	15.50	15.94	12.50	12.71	10.39	10.35	10.55	9.31	13.39	13.60
New York	18.48	17.08	14.91	14.72	6.54	6.79	13.64	13.38	15.32	14.76
Pennsylvania	12.56	12.93	9.30	9.41	6.99	7.23	7.89	7.73	9.77	9.94
East North Central	11.91	11.99	9.50	9.52	6.52	6.48	5.80	6.29	9.25	9.20
Illinois	10.46	11.75	7.90	8.30	5.69	5.99	5.56	6.11	8.02	8.62
Indiana	10.69	10.44	9.46	9.20	6.54	6.42	9.94	9.85	8.53	8.27
Michigan	14.37	13.81	11.02	10.80	7.82	7.54	9.38	7.39	11.17	10.76
Ohio	11.66	11.45	9.40	9.49	6.03	5.97	6.44	6.76	9.02	8.85
Wisconsin	13.59	13.18	10.74	10.47	7.44	7.31	--	--	10.54	10.24
West North Central	10.58	10.23	8.78	8.25	6.44	6.06	8.10	7.24	8.74	8.26
Iowa	10.72	10.52	8.18	7.70	5.47	5.09	--	--	7.83	7.43
Kansas	11.44	10.94	9.52	9.04	7.04	6.84	--	--	9.48	9.04
Minnesota	11.64	11.11	9.38	8.62	6.94	6.43	9.62	8.44	9.35	8.70
Missouri	10.16	9.78	8.54	7.97	5.94	5.62	6.87	6.28	8.68	8.18
Nebraska	9.70	9.43	8.41	8.13	7.12	6.71	--	--	8.41	8.04
North Dakota	8.66	8.70	8.09	7.76	7.03	6.56	--	--	7.95	7.65
South Dakota	9.84	9.69	8.22	7.93	6.80	6.43	--	--	8.59	8.28
South Atlantic	11.17	11.27	9.32	9.39	6.37	6.39	8.70	8.20	9.58	9.62
Delaware	13.15	13.59	10.29	9.95	8.47	7.96	--	--	11.02	10.85
District of Columbia	12.26	12.36	11.88	12.22	6.07	5.08	9.68	8.52	11.76	11.98
Florida	11.27	11.45	9.52	9.77	7.66	8.04	8.62	8.48	10.25	10.47
Georgia	10.97	10.71	9.81	9.40	5.95	5.65	7.82	7.59	9.35	9.00
Maryland	12.84	12.80	10.43	10.59	8.34	8.09	8.59	7.93	11.34	11.28
North Carolina	10.64	10.69	8.55	8.50	6.12	6.19	7.90	7.85	8.96	8.92
South Carolina	11.70	11.56	9.74	9.42	5.74	5.87	--	--	8.98	8.84
Virginia	10.63	11.18	7.96	8.30	6.61	6.68	8.15	8.80	8.87	9.17
West Virginia	9.57	9.82	8.33	8.40	6.26	6.30	10.77	8.62	8.01	8.10
East South Central	10.34	10.17	9.85	9.79	5.77	5.95	11.67	11.42	8.54	8.38
Alabama	11.19	11.21	10.52	10.52	5.87	6.03	--	--	8.92	8.94
Kentucky	9.63	9.26	8.68	8.69	5.24	5.32	--	--	7.31	7.10
Mississippi	10.68	10.30	9.98	9.34	6.24	6.07	--	--	8.91	8.50
Tennessee	10.01	9.93	10.05	10.17	6.27	6.79	11.67	11.42	9.14	9.04
West South Central	10.58	10.26	8.13	8.06	5.74	5.36	10.38	10.24	8.32	8.06
Arkansas	9.30	9.00	7.96	7.56	5.74	5.41	NM	NM	7.68	7.29
Louisiana	9.22	8.26	8.93	7.81	5.83	4.74	9.54	8.29	7.85	6.80
Oklahoma	9.50	9.42	7.51	7.17	5.21	5.08	--	--	7.61	7.40
Texas	11.24	11.00	8.10	8.29	5.80	5.60	10.51	10.55	8.64	8.57
Mountain	10.97	10.63	9.15	8.79	6.17	5.91	10.18	9.33	8.86	8.53
Arizona	11.39	11.05	9.71	9.32	6.40	6.20	--	--	9.85	9.50
Colorado	11.55	11.03	9.61	9.06	7.07	6.71	10.54	9.27	9.54	9.03
Idaho	8.80	8.12	7.12	6.65	5.76	5.31	--	--	7.21	6.68
Montana	10.16	9.84	9.46	9.06	5.24	4.93	--	--	8.47	8.14
Nevada	11.70	12.01	8.71	8.86	5.66	5.82	7.62	7.82	8.47	8.64
New Mexico	11.44	11.04	9.40	8.96	6.22	5.69	--	--	8.98	8.54
Utah	10.07	9.63	8.25	8.00	5.74	5.45	10.17	9.72	7.95	7.63
Wyoming	9.88	9.54	8.48	8.12	6.37	5.97	--	--	7.48	7.11
Pacific Contiguous	13.14	12.62	11.86	11.39	7.73	7.49	7.34	7.70	11.43	11.00
California	16.07	15.29	13.39	12.76	10.51	10.16	7.28	7.68	13.77	13.14
Oregon	9.79	9.74	8.36	8.36	5.72	5.49	8.81	8.26	8.30	8.23
Washington	8.56	8.42	7.73	7.66	4.08	4.06	8.29	8.21	7.02	6.94
Pacific Noncontiguous	28.26	28.78	25.24	25.52	26.31	27.25	--	--	26.50	27.07
Alaska	17.82	17.87	15.15	14.87	16.06	17.08	--	--	16.26	16.36
Hawaii	37.18	37.60	34.46	35.29	30.13	31.12	--	--	33.57	34.39
U.S. Total	11.90	11.75	10.13	10.00	6.66	6.55	10.36	9.84	9.87	9.69

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**7**	**9**	**0**	**1**	**0**	**0**	**9**
Connecticut	0	17	0	2	0	0	46
Maine	0	19	0	4	0	0	12
Massachusetts	11	13	0	2	0	0	26
New Hampshire	0	31	0	1	0	0	15
Rhode Island	0	67	0	1	0	0	403
Vermont	0	184	0	0	0	0	29
Middle Atlantic	**1**	**2**	**101**	**1**	**11**	**0**	**4**
New Jersey	0	27	143	2	42	0	190
New York	8	2	0	1	0	0	4
Pennsylvania	1	10	141	1	8	0	14
East North Central	**0**	**2**	**5**	**1**	**7**	**0**	**19**
Illinois	0	3	0	5	27	0	66
Indiana	1	5	0	4	7	0	25
Michigan	1	4	68	2	0	0	39
Ohio	1	2	4	1	38	0	26
Wisconsin	0	26	0	2	0	0	32
West North Central	**1**	**4**	**0**	**6**	**77**	**0**	**7**
Iowa	2	7	0	13	0	0	47
Kansas	0	4	0	22	0	0	255
Minnesota	3	22	0	3	0	0	49
Missouri	1	10	0	6	0	0	6
Nebraska	2	10	0	13	0	0	35
North Dakota	3	16	0	129	77	0	0
South Dakota	7	87	0	94	0	0	2
South Atlantic	**0**	**2**	**0**	**1**	**0**	**0**	**5**
Delaware	2	8	0	2	0	0	0
District of Columbia	0	0	0	100	0	0	0
Florida	1	5	0	1	0	0	78
Georgia	0	7	0	1	0	0	12
Maryland	0	25	0	7	0	0	5
North Carolina	1	8	0	1	0	0	7
South Carolina	0	7	0	3	0	0	15
Virginia	1	2	0	1	0	0	19
West Virginia	0	0	0	9	0	0	15
East South Central	**0**	**5**	**0**	**1**	**16**	**0**	**4**
Alabama	1	16	0	2	17	0	5
Kentucky	1	6	0	15	0	0	9
Mississippi	1	6	0	1	0	0	0
Tennessee	0	5	0	2	0	0	6
West South Central	**0**	**4**	**4**	**1**	**3**	**0**	**6**
Arkansas	0	6	0	3	0	0	8
Louisiana	0	8	4	1	3	0	0
Oklahoma	1	6	0	1	0	0	8
Texas	0	8	6	1	4	0	34
Mountain	**1**	**4**	**0**	**1**	**12**	**0**	**4**
Arizona	0	2	0	1	0	0	3
Colorado	1	36	0	3	0	0	26
Idaho	57	949	0	3	0	0	9
Montana	6	11	0	97	0	0	5
Nevada	0	2	0	1	0	0	4
New Mexico	0	5	0	4	0	0	107
Utah	3	13	0	7	108	0	41
Wyoming	2	13	0	18	7	0	9
Pacific Contiguous	**3**	**17**	**90**	**2**	**5**	**0**	**2**
California	10	12	90	2	7	0	5
Oregon	0	12	0	1	0	0	3
Washington	0	32	0	3	0	0	1
Pacific Noncontiguous	**4**	**1**	**0**	**7**	**98**	**0**	**30**
Alaska	12	4	0	7	310	0	31
Hawaii	3	1	0	0	104	0	142
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, June 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**	**67**	**4**	**0**	**12**	**1**
Connecticut	0	0	0	0	12	0	17	1
Maine	0	0	0	0	3	0	22	4
Massachusetts	0	0	0	73	9	0	19	2
New Hampshire	0	0	0	0	14	0	113	2
Rhode Island	0	0	0	342	49	0	0	2
Vermont	0	0	0	190	14	0	0	6
Middle Atlantic	**0**	**0**	**0**	**29**	**4**	**0**	**9**	**0**
New Jersey	0	0	0	34	16	0	23	1
New York	0	0	0	0	4	0	13	1
Pennsylvania	0	0	0	80	4	0	12	1
East North Central	**0**	**0**	**0**	**63**	**2**	**0**	**8**	**0**
Illinois	0	0	0	86	2	0	22	0
Indiana	0	0	0	334	4	0	3	1
Michigan	0	0	0	0	6	0	17	1
Ohio	0	0	0	96	9	0	0	1
Wisconsin	0	0	0	0	8	0	31	1
West North Central	**0**	**0**	**0**	**362**	**1**	**0**	**30**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	362	3	0	30	2
Missouri	0	0	0	0	4	0	0	1
Nebraska	0	0	0	0	4	0	0	2
North Dakota	0	0	0	0	1	0	147	2
South Dakota	0	0	0	0	0	0	0	3
South Atlantic	**0**	**0**	**0**	**24**	**3**	**0**	**6**	**0**
Delaware	0	0	0	96	60	0	0	2
District of Columbia	0	0	0	0	0	0	0	100
Florida	0	0	0	21	5	0	8	0
Georgia	0	0	0	318	4	0	5	0
Maryland	0	0	0	84	11	0	1	1
North Carolina	0	0	0	41	8	0	36	1
South Carolina	0	0	0	0	3	0	0	1
Virginia	0	0	0	0	5	0	6	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**127**	**3**	**0**	**72**	**0**
Alabama	0	0	0	0	4	0	0	1
Kentucky	0	0	0	0	19	0	0	1
Mississippi	0	0	0	0	3	0	239	1
Tennessee	0	0	0	127	10	0	0	1
West South Central	**0**	**0**	**0**	**42**	**1**	**0**	**12**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	8	1
Oklahoma	0	0	0	0	1	0	130	1
Texas	0	0	0	42	1	0	20	0
Mountain	**0**	**7**	**0**	**9**	**2**	**0**	**14**	**1**
Arizona	0	0	0	11	9	0	0	0
Colorado	0	0	0	28	1	0	78	1
Idaho	0	55	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	4
Nevada	0	7	0	9	6	0	150	1
New Mexico	0	0	0	36	7	0	0	1
Utah	0	11	0	414	5	0	7	3
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**4**	**0**	**9**	**1**	**0**	**17**	**1**
California	0	4	0	9	2	0	15	1
Oregon	0	0	0	145	2	0	139	2
Washington	0	0	0	0	1	0	65	1
Pacific Noncontiguous	**0**	**0**	**0**	**170**	**8**	**0**	**0**	**3**
Alaska	0	0	0	0	42	0	0	8
Hawaii	0	0	0	170	7	0	0	2
U.S. Total	**0**	**4**	**0**	**7**	**1**	**0**	**5**	**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 June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**1**	**0**	**0**	**4**
Connecticut	0	4	0	1	0	0	19
Maine	0	3	0	2	0	0	5
Massachusetts	3	8	0	1	0	0	11
New Hampshire	0	14	0	1	0	0	7
Rhode Island	0	21	0	1	0	0	164
Vermont	0	106	0	0	0	0	12
Middle Atlantic	**1**	**3**	**46**	**0**	**5**	**0**	**1**
New Jersey	0	8	97	1	19	0	82
New York	2	3	0	1	0	0	1
Pennsylvania	1	6	61	1	4	0	5
East North Central	**0**	**2**	**2**	**0**	**3**	**0**	**7**
Illinois	0	2	0	2	13	0	30
Indiana	0	5	0	2	3	0	11
Michigan	1	5	28	1	0	0	15
Ohio	0	2	1	0	18	0	13
Wisconsin	0	10	0	1	0	0	12
West North Central	**0**	**3**	**0**	**3**	**36**	**0**	**3**
Iowa	1	4	0	7	0	0	19
Kansas	0	4	0	14	0	0	109
Minnesota	1	17	0	1	0	0	21
Missouri	0	6	0	2	0	0	4
Nebraska	1	4	0	15	0	0	14
North Dakota	1	9	0	57	36	0	0
South Dakota	3	22	0	33	0	0	1
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**2**
Delaware	1	14	0	1	0	0	0
District of Columbia	0	0	0	56	0	0	0
Florida	0	5	0	0	0	0	32
Georgia	0	6	0	1	0	0	5
Maryland	0	10	0	4	0	0	2
North Carolina	0	7	0	1	0	0	3
South Carolina	0	10	0	2	0	0	7
Virginia	1	3	0	1	0	0	9
West Virginia	0	0	0	5	0	0	6
East South Central	**0**	**3**	**0**	**1**	**7**	**0**	**1**
Alabama	0	9	0	1	7	0	2
Kentucky	0	5	0	5	0	0	3
Mississippi	0	9	0	1	0	0	0
Tennessee	0	4	0	1	0	0	2
West South Central	**0**	**2**	**2**	**0**	**1**	**0**	**3**
Arkansas	0	5	0	2	0	0	5
Louisiana	0	3	2	1	2	0	0
Oklahoma	0	4	0	1	0	0	5
Texas	0	4	3	1	2	0	16
Mountain	**0**	**3**	**0**	**1**	**5**	**0**	**2**
Arizona	0	3	0	0	0	0	1
Colorado	0	42	0	2	0	0	10
Idaho	24	317	0	2	0	0	4
Montana	2	14	0	54	0	0	2
Nevada	0	1	0	1	0	0	1
New Mexico	0	8	0	2	0	0	38
Utah	1	4	0	3	49	0	16
Wyoming	1	4	0	8	3	0	7
Pacific Contiguous	**1**	**11**	**53**	**1**	**2**	**0**	**1**
California	6	6	53	1	3	0	2
Oregon	0	44	0	0	0	0	1
Washington	0	28	0	2	0	0	1
Pacific Noncontiguous	**2**	**1**	**0**	**4**	**44**	**0**	**10**
Alaska	5	2	0	4	154	0	10
Hawaii	2	1	0	0	46	0	51
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 June 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**	**29**	**1**	**0**	**3**	**0**
Connecticut	0	0	0	0	5	0	4	1
Maine	0	0	0	0	1	0	7	2
Massachusetts	0	0	0	31	3	0	4	1
New Hampshire	0	0	0	0	5	0	25	1
Rhode Island	0	0	0	251	20	0	0	1
Vermont	0	0	0	76	5	0	0	3
Middle Atlantic	**0**	**0**	**0**	**12**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	14	6	0	5	0
New York	0	0	0	3	1	0	4	0
Pennsylvania	0	0	0	32	1	0	3	0
East North Central	**0**	**0**	**0**	**26**	**1**	**0**	**3**	**0**
Illinois	0	0	0	35	1	0	10	0
Indiana	0	0	0	133	1	0	1	0
Michigan	0	0	0	0	2	0	6	0
Ohio	0	0	0	39	2	0	0	0
Wisconsin	0	0	0	0	2	0	14	0
West North Central	**0**	**0**	**0**	**145**	**0**	**0**	**7**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	145	1	0	7	1
Missouri	0	0	0	0	1	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	32	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**10**	**1**	**0**	**2**	**0**
Delaware	0	0	0	38	23	0	0	1
District of Columbia	0	0	0	0	0	0	0	56
Florida	0	0	0	8	2	0	2	0
Georgia	0	0	0	127	2	0	8	0
Maryland	0	0	0	37	3	0	0	0
North Carolina	0	0	0	18	3	0	16	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	2	0	3	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**77**	**1**	**0**	**18**	**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	81	0
Tennessee	0	0	0	77	4	0	0	0
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**5**	**0**
Arkansas	0	0	0	0	2	0	0	0
Louisiana	0	0	0	0	2	0	3	1
Oklahoma	0	0	0	0	0	0	55	0
Texas	0	0	0	16	0	0	9	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**3**	**0**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	11	1	0	23	1
Idaho	0	15	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	2	0	32	0
New Mexico	0	0	0	14	2	0	0	0
Utah	0	4	0	165	3	0	2	1
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**1**	**0**	**4**	**1**	**0**	**5**	**0**
California	0	1	0	4	1	0	5	1
Oregon	0	0	0	58	1	0	30	1
Washington	0	0	0	0	1	0	13	0
Pacific Noncontiguous	**0**	**0**	**0**	**68**	**4**	**0**	**0**	**1**
Alaska	0	0	0	0	18	0	0	3
Hawaii	0	0	0	68	4	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, June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**6**	**0**	**9**	**0**	**0**	**25**
Connecticut	0	48	0	0	0	0	153
Maine	0	176	0	0	0	0	0
Massachusetts	0	4	0	9	0	0	61
New Hampshire	0	2	0	0	0	0	19
Rhode Island	0	43	0	0	0	0	0
Vermont	0	155	0	0	0	0	46
Middle Atlantic	**878**	**2**	**0**	**4**	**0**	**0**	**2**
New Jersey	0	325	0	0	0	0	0
New York	878	2	0	4	0	0	2
Pennsylvania	0	293	0	708	0	0	11
East North Central	**0**	**2**	**0**	**2**	**0**	**0**	**20**
Illinois	0	8	0	21	0	0	157
Indiana	1	4	0	4	0	0	25
Michigan	1	4	0	5	0	0	42
Ohio	1	2	0	2	0	0	26
Wisconsin	0	21	0	4	0	0	34
West North Central	**1**	**4**	**0**	**7**	**0**	**0**	**7**
Iowa	2	7	0	13	0	0	47
Kansas	0	4	0	22	0	0	0
Minnesota	3	16	0	4	0	0	91
Missouri	1	10	0	7	0	0	6
Nebraska	2	10	0	13	0	0	35
North Dakota	3	11	0	468	0	0	0
South Dakota	7	92	0	94	0	0	2
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**6**
Delaware	0	322	0	368	0	0	0
Florida	1	4	0	1	0	0	78
Georgia	0	3	0	1	0	0	12
Maryland	0	54	0	0	0	0	0
North Carolina	0	4	0	2	0	0	7
South Carolina	0	8	0	3	0	0	15
Virginia	0	1	0	0	0	0	19
West Virginia	0	0	0	0	0	0	51
East South Central	**0**	**2**	**0**	**2**	**0**	**0**	**4**
Alabama	1	0	0	7	0	0	5
Kentucky	1	6	0	19	0	0	9
Mississippi	1	8	0	1	0	0	0
Tennessee	0	0	0	0	0	0	6
West South Central	**0**	**6**	**0**	**1**	**0**	**0**	**6**
Arkansas	0	0	0	11	0	0	8
Louisiana	0	17	0	3	0	0	0
Oklahoma	0	4	0	2	0	0	8
Texas	0	10	0	2	0	0	35
Mountain	**1**	**4**	**0**	**1**	**0**	**0**	**4**
Arizona	0	2	0	2	0	0	3
Colorado	1	36	0	4	0	0	27
Idaho	0	949	0	3	0	0	9
Montana	99	770	0	104	0	0	4
Nevada	0	3	0	0	0	0	1
New Mexico	0	4	0	4	0	0	107
Utah	2	13	0	5	0	0	41
Wyoming	1	12	0	191	0	0	9
Pacific Contiguous	**0**	**6**	**0**	**2**	**189**	**0**	**1**
California	0	3	0	3	189	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	194	0	3	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**7**	**0**	**0**	**31**
Alaska	0	4	0	7	0	0	31
Hawaii	0	1	0	0	0	0	321
U.S. Total	**0**	**1**	**0**	**1**	**39**	**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, June 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**	**224**	**4**	**0**	**0**	**10**
Connecticut	0	0	0	0	0	0	0	134
Maine	0	0	0	0	0	0	0	176
Massachusetts	0	0	0	224	70	0	0	30
New Hampshire	0	0	0	0	0	0	0	5
Rhode Island	0	0	0	0	0	0	0	43
Vermont	0	0	0	0	0	0	0	25
Middle Atlantic	**0**	**0**	**0**	**92**	**92**	**0**	**0**	**2**
New Jersey	0	0	0	92	92	0	0	9
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**	**189**	**6**	**0**	**0**	**0**
Illinois	0	0	0	0	120	0	0	1
Indiana	0	0	0	0	32	0	0	1
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	189	122	0	0	1
Wisconsin	0	0	0	0	2	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**25**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	4	0	0	2
Missouri	0	0	0	0	98	0	0	1
Nebraska	0	0	0	0	22	0	0	2
North Dakota	0	0	0	0	2	0	147	2
South Dakota	0	0	0	0	2	0	0	3
South Atlantic	**0**	**0**	**0**	**14**	**5**	**0**	**0**	**0**
Delaware	0	0	0	0	0	0	0	360
Florida	0	0	0	0	9	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	201	201	0	0	152
North Carolina	0	0	0	169,488	169,488	0	0	0
South Carolina	0	0	0	0	14	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**	**56**	**0**	**0**	**0**
Alabama	0	0	0	0	494	0	0	1
Kentucky	0	0	0	0	56	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	2	0	0	1
Mountain	**0**	**0**	**0**	**42**	**7**	**0**	**150**	**1**
Arizona	0	0	0	45	43	0	0	0
Colorado	0	0	0	0	31	0	0	2
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	5
Nevada	0	0	0	0	0	0	150	0
New Mexico	0	0	0	99	99	0	0	1
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**36**	**3**	**0**	**0**	**1**
California	0	0	0	36	7	0	0	2
Oregon	0	0	0	245	3	0	0	3
Washington	0	0	0	0	2	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**46**	**0**	**0**	**4**
Alaska	0	0	0	0	52	0	0	9
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**0**	**0**	**22**	**1**	**0**	**21**	**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 June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**2**	**0**	**16**	**0**	**0**	**11**
Connecticut	0	27	0	121	0	0	62
Maine	0	59	0	0	0	0	0
Massachusetts	0	1	0	3	0	0	25
New Hampshire	0	1	0	0	0	0	9
Rhode Island	0	14	0	0	0	0	0
Vermont	0	99	0	0	0	0	20
Middle Atlantic	**294**	**2**	**0**	**2**	**0**	**0**	**1**
New Jersey	0	264	0	0	0	0	0
New York	294	2	0	2	0	0	1
Pennsylvania	0	98	0	336	0	0	3
East North Central	**0**	**1**	**0**	**1**	**0**	**0**	**8**
Illinois	0	7	0	8	0	0	65
Indiana	0	4	0	1	0	0	11
Michigan	1	2	0	3	0	0	16
Ohio	0	2	0	1	0	0	13
Wisconsin	0	9	0	2	0	0	13
West North Central	**0**	**3**	**0**	**3**	**0**	**0**	**3**
Iowa	1	4	0	7	0	0	19
Kansas	0	4	0	15	0	0	0
Minnesota	1	16	0	1	0	0	27
Missouri	0	6	0	3	0	0	4
Nebraska	1	4	0	14	0	0	14
North Dakota	1	8	0	403	0	0	0
South Dakota	3	23	0	33	0	0	0
South Atlantic	**0**	**3**	**0**	**0**	**0**	**0**	**3**
Delaware	0	262	0	176	0	0	0
Florida	0	5	0	0	0	0	32
Georgia	0	4	0	0	0	0	5
Maryland	0	32	0	0	0	0	0
North Carolina	0	8	0	1	0	0	3
South Carolina	0	11	0	1	0	0	7
Virginia	0	2	0	0	0	0	9
West Virginia	0	0	0	0	0	0	21
East South Central	**0**	**2**	**0**	**1**	**0**	**0**	**1**
Alabama	0	0	0	4	0	0	2
Kentucky	0	5	0	3	0	0	3
Mississippi	0	11	0	1	0	0	0
Tennessee	0	0	0	0	0	0	3
West South Central	**0**	**4**	**0**	**1**	**0**	**0**	**4**
Arkansas	0	0	0	18	0	0	5
Louisiana	0	13	0	2	0	0	0
Oklahoma	0	3	0	1	0	0	5
Texas	0	7	0	2	0	0	16
Mountain	**0**	**3**	**0**	**1**	**0**	**0**	**2**
Arizona	0	3	0	1	0	0	1
Colorado	0	42	0	2	0	0	10
Idaho	0	317	0	2	0	0	4
Montana	45	463	0	58	0	0	2
Nevada	0	1	0	0	0	0	0
New Mexico	0	7	0	3	0	0	38
Utah	1	4	0	2	0	0	16
Wyoming	1	4	0	97	0	0	7
Pacific Contiguous	**0**	**18**	**0**	**1**	**85**	**0**	**1**
California	0	3	0	1	85	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	300	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**4**	**0**	**0**	**10**
Alaska	0	2	0	4	0	0	10
Hawaii	0	1	0	0	0	0	125
U.S. Total	**0**	**1**	**0**	**0**	**16**	**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.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through June 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**	**82**	**2**	**0**	**0**	**3**
Connecticut	0	0	0	0	0	0	0	55
Maine	0	0	0	0	0	0	0	59
Massachusetts	0	0	0	82	24	0	0	13
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	14
Vermont	0	0	0	0	0	0	0	10
Middle Atlantic	**0**	**0**	**0**	**37**	**37**	**0**	**0**	**1**
New Jersey	0	0	0	37	37	0	0	4
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	4
East North Central	**0**	**0**	**0**	**87**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	42	0	0	0
Indiana	0	0	0	0	14	0	0	0
Michigan	0	0	0	0	1	0	0	0
Ohio	0	0	0	87	41	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	39	0	0	0
Nebraska	0	0	0	0	7	0	0	1
North Dakota	0	0	0	0	1	0	32	1
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**4**	**3**	**0**	**0**	**0**
Delaware	0	0	0	174	174	0	0	155
Florida	0	0	0	0	4	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	153	145	0	0	61
North Carolina	0	0	0	240	191	0	0	0
South Carolina	0	0	0	0	6	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**23**	**0**	**0**	**0**
Alabama	0	0	0	0	185	0	0	1
Kentucky	0	0	0	0	24	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**	**19**	**2**	**0**	**32**	**0**
Arizona	0	0	0	20	18	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	9	0	0	3
Nevada	0	0	0	0	0	0	32	0
New Mexico	0	0	0	70	70	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**	**16**	**1**	**0**	**0**	**0**
California	0	0	0	17	3	0	0	1
Oregon	0	0	0	101	1	0	0	1
Washington	0	0	0	0	1	0	0	0
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**16**	**0**	**0**	**2**
Alaska	0	0	0	0	29	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, June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**10**	**7**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	12	0	1	0	0	49
Maine	0	3	0	0	0	0	13
Massachusetts	11	10	0	1	0	0	27
New Hampshire	0	4,258	0	0	0	0	19
Rhode Island	0	228	0	1	0	0	403
Vermont	0	0	0	0	0	0	36
Middle Atlantic	**1**	**4**	**0**	**1**	**98**	**0**	**12**
New Jersey	0	20	0	1	0	0	190
New York	8	3	0	1	0	0	15
Pennsylvania	1	9	0	1	98	0	21
East North Central	**0**	**5**	**0**	**1**	**0**	**0**	**68**
Illinois	0	0	0	4	0	0	59
Indiana	1	143,059	0	5	0	0	0
Michigan	0	0	0	2	0	0	126
Ohio	1	1	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	155
West North Central	**0**	**123**	**0**	**3**	**0**	**0**	**94**
Iowa	0	154	0	4,291	0	0	481
Kansas	0	0	0	0	0	0	255
Minnesota	0	0	0	3	0	0	103
Missouri	0	0	0	5	0	0	0
South Dakota	0	205	0	0	0	0	0
South Atlantic	**1**	**8**	**0**	**2**	**0**	**0**	**8**
Delaware	2	8	0	2	0	0	0
Florida	3	234	0	6	0	0	0
Georgia	0	378	0	3	0	0	322
Maryland	0	26	0	6	0	0	5
North Carolina	19	222	0	0	0	0	178
South Carolina	0	0	0	9	0	0	149
Virginia	25	2	0	4	0	0	129
West Virginia	0	0	0	0	0	0	10
East South Central	**0**	**174**	**0**	**1**	**0**	**0**	**357**
Alabama	0	174	0	1	0	0	0
Kentucky	0	0	0	0	0	0	357
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	158
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	1	0	0	171
Mountain	**7**	**10**	**0**	**1**	**0**	**0**	**12**
Arizona	0	0	0	0	0	0	0
Colorado	65	0	0	5	0	0	114
Idaho	0	0	0	7	0	0	32
Montana	6	10	0	259	0	0	12
Nevada	0	0	0	4	0	0	178
New Mexico	0	419	0	5	0	0	0
Utah	103	0	0	33	0	0	394
Wyoming	64	0	0	313	0	0	473
Pacific Contiguous	**7**	**14**	**90**	**2**	**0**	**0**	**25**
California	12	123	90	2	0	0	28
Oregon	0	0	0	1	0	0	72
Washington	0	4	0	0	0	0	69
Pacific Noncontiguous	**4**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	36	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**0**	**1**	**5**	**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, June 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**	**71**	**5**	**0**	**13**	**1**
Connecticut	0	0	0	0	12	0	17	1
Maine	0	0	0	0	2	0	27	5
Massachusetts	0	0	0	78	12	0	20	2
New Hampshire	0	0	0	0	20	0	113	2
Rhode Island	0	0	0	342	49	0	0	2
Vermont	0	0	0	190	41	0	0	5
Middle Atlantic	**0**	**0**	**0**	**33**	**4**	**0**	**10**	**0**
New Jersey	0	0	0	41	18	0	31	1
New York	0	0	0	0	4	0	15	1
Pennsylvania	0	0	0	85	5	0	13	1
East North Central	**0**	**0**	**0**	**68**	**3**	**0**	**28**	**0**
Illinois	0	0	0	86	2	0	0	0
Indiana	0	0	0	334	1	0	0	1
Michigan	0	0	0	0	9	0	28	2
Ohio	0	0	0	116	11	0	0	0
Wisconsin	0	0	0	0	16	0	0	1
West North Central	**0**	**0**	**0**	**362**	**1**	**0**	**76**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	362	4	0	76	5
Missouri	0	0	0	0	3	0	0	3
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**	**35**	**5**	**0**	**10**	**1**
Delaware	0	0	0	96	61	0	0	2
Florida	0	0	0	81	8	0	15	4
Georgia	0	0	0	0	16	0	0	3
Maryland	0	0	0	97	12	0	0	1
North Carolina	0	0	0	44	15	0	36	3
South Carolina	0	0	0	0	119	0	0	9
Virginia	0	0	0	0	16	0	0	6
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**127**	**19**	**0**	**0**	**1**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	13
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	127	60	0	0	60
West South Central	**0**	**0**	**0**	**42**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	78	0	0	1
Louisiana	0	0	0	0	63	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	42	0	0	0	0
Mountain	**0**	**7**	**0**	**8**	**2**	**0**	**11**	**2**
Arizona	0	0	0	10	7	0	0	1
Colorado	0	0	0	29	1	0	234	3
Idaho	0	55	0	0	6	0	0	10
Montana	0	0	0	0	3	0	0	5
Nevada	0	7	0	9	6	0	0	3
New Mexico	0	0	0	38	6	0	0	4
Utah	0	57	0	414	7	0	167	24
Wyoming	0	0	0	0	3	0	0	19
Pacific Contiguous	**0**	**4**	**0**	**8**	**2**	**0**	**39**	**1**
California	0	4	0	8	2	0	40	1
Oregon	0	0	0	179	2	0	139	2
Washington	0	0	0	0	2	0	107	4
Pacific Noncontiguous	**0**	**0**	**0**	**170**	**6**	**0**	**0**	**2**
Alaska	0	0	0	0	68	0	0	32
Hawaii	0	0	0	170	6	0	0	2
U.S. Total	**0**	**4**	**0**	**7**	**1**	**0**	**7**	**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 June 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**	**5**
Connecticut	0	4	0	1	0	0	20
Maine	0	1	0	0	0	0	6
Massachusetts	3	10	0	1	0	0	12
New Hampshire	0	2,989	0	0	0	0	9
Rhode Island	0	23	0	1	0	0	164
Vermont	0	0	0	0	0	0	15
Middle Atlantic	**1**	**3**	**0**	**0**	**48**	**0**	**5**
New Jersey	0	7	0	1	0	0	82
New York	2	4	0	1	0	0	6
Pennsylvania	1	6	0	0	48	0	9
East North Central	**0**	**4**	**0**	**0**	**0**	**0**	**26**
Illinois	0	0	0	1	0	0	28
Indiana	0	100,572	0	3	0	0	0
Michigan	6	0	0	1	0	0	45
Ohio	0	1	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	61
West North Central	**0**	**29**	**0**	**2**	**0**	**0**	**38**
Iowa	0	50	0	3,157	0	0	193
Kansas	0	0	0	0	0	0	109
Minnesota	0	20	0	3	0	0	42
Missouri	0	0	0	2	0	0	0
South Dakota	0	69	0	0	0	0	395
South Atlantic	**1**	**7**	**0**	**1**	**0**	**0**	**3**
Delaware	1	13	0	1	0	0	0
Florida	3	79	0	5	0	0	0
Georgia	0	570	0	2	0	0	145
Maryland	0	10	0	4	0	0	2
North Carolina	10	25	0	0	0	0	81
South Carolina	0	0	0	16	0	0	64
Virginia	17	8	0	1	0	0	53
West Virginia	0	0	0	0	0	0	4
East South Central	**0**	**46**	**0**	**0**	**0**	**0**	**144**
Alabama	0	46	0	0	0	0	0
Kentucky	0	0	0	12	0	0	144
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	66
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	0	0	0	70
Mountain	**2**	**14**	**0**	**1**	**0**	**0**	**5**
Arizona	0	0	0	0	0	0	0
Colorado	36	0	0	3	0	0	42
Idaho	0	0	0	2	0	0	16
Montana	2	9	0	164	0	0	5
Nevada	0	0	0	2	0	0	71
New Mexico	0	225	0	2	0	0	0
Utah	42	311	0	21	0	0	156
Wyoming	29	0	0	203	0	0	177
Pacific Contiguous	**2**	**12**	**53**	**1**	**0**	**0**	**11**
California	9	37	53	1	0	0	14
Oregon	0	0	0	0	0	0	26
Washington	0	4	0	0	0	0	25
Pacific Noncontiguous	**2**	**7**	**0**	**0**	**0**	**0**	**0**
Alaska	16	0	0	0	0	0	0
Hawaii	0	7	0	0	0	0	0
U.S. Total	**0**	**3**	**2**	**0**	**1**	**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 June 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**31**	**2**	**0**	**3**	**0**
Connecticut	0	0	0	0	5	0	4	0
Maine	0	0	0	0	1	0	7	2
Massachusetts	0	0	0	34	5	0	4	1
New Hampshire	0	0	0	0	7	0	25	1
Rhode Island	0	0	0	251	20	0	0	1
Vermont	0	0	0	76	13	0	0	3
Middle Atlantic	**0**	**0**	**0**	**13**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	16	7	0	7	0
New York	0	0	0	0	1	0	3	0
Pennsylvania	0	0	0	34	1	0	3	0
East North Central	**0**	**0**	**0**	**27**	**1**	**0**	**11**	**0**
Illinois	0	0	0	35	1	0	0	0
Indiana	0	0	0	133	0	0	0	1
Michigan	0	0	0	0	3	0	11	1
Ohio	0	0	0	45	3	0	0	0
Wisconsin	0	0	0	0	5	0	0	0
West North Central	**0**	**0**	**0**	**145**	**0**	**0**	**16**	**0**
Iowa	0	0	0	0	1	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	145	1	0	16	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**	**15**	**2**	**0**	**2**	**1**
Delaware	0	0	0	39	24	0	0	1
Florida	0	0	0	33	3	0	3	3
Georgia	0	0	0	0	10	0	0	2
Maryland	0	0	0	40	3	0	0	0
North Carolina	0	0	0	20	5	0	16	2
South Carolina	0	0	0	0	50	0	0	15
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**	**77**	**6**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	13
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	77	19	0	0	19
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	29	0	0	0
Louisiana	0	0	0	0	26	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	16	0	0	0	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**2**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	11	1	0	48	1
Idaho	0	15	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	14	2	0	0	1
Utah	0	17	0	165	4	0	79	13
Wyoming	0	0	0	0	1	0	0	7
Pacific Contiguous	**0**	**1**	**0**	**3**	**1**	**0**	**9**	**1**
California	0	1	0	3	1	0	9	1
Oregon	0	0	0	70	1	0	30	1
Washington	0	0	0	0	1	0	23	1
Pacific Noncontiguous	**0**	**0**	**0**	**68**	**4**	**0**	**0**	**3**
Alaska	0	0	0	0	22	0	0	13
Hawaii	0	0	0	68	3	0	0	3
U.S. Total	**0**	**1**	**0**	**3**	**0**	**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.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**59**	**0**	**21**	**0**	**0**	**433**
Connecticut	0	551	0	59	0	0	0
Maine	0	272	0	1,249	0	0	0
Massachusetts	0	75	0	16	0	0	433
New Hampshire	0	105	0	0	0	0	0
Rhode Island	0	358	0	119	0	0	0
Vermont	0	351	0	0	0	0	0
Middle Atlantic	**199**	**42**	**0**	**24**	**0**	**0**	**442**
New Jersey	0	264	0	65	0	0	0
New York	0	52	0	24	0	0	442
Pennsylvania	199	27	0	106	0	0	0
East North Central	**11**	**225**	**0**	**17**	**0**	**0**	**415**
Illinois	55	289	0	16	0	0	713
Indiana	12	2,245	0	116	0	0	0
Michigan	0	107	0	20	0	0	0
Ohio	207	362	0	63	0	0	0
Wisconsin	105	4,398	0	73	0	0	470
West North Central	**20**	**243**	**0**	**27**	**0**	**0**	**0**
Iowa	33	261	0	238	0	0	0
Minnesota	136	278	0	61	0	0	0
Missouri	0	481	0	0	0	0	0
Nebraska	0	0	0	360	0	0	0
North Dakota	0	914	0	0	0	0	0
South Dakota	0	987	0	0	0	0	0
South Atlantic	**159**	**220**	**0**	**51**	**0**	**0**	**146**
District of Columbia	0	0	0	100	0	0	0
Florida	0	0	0	150	0	0	0
Georgia	0	117	0	0	0	0	0
Maryland	0	6,202	0	62	0	0	0
North Carolina	0	338	0	0	0	0	135
South Carolina	0	199	0	423	0	0	1,123
Virginia	159	81	0	0	0	0	0
East South Central	**96**	**0**	**0**	**78**	**0**	**0**	**0**
Mississippi	0	0	0	232	0	0	0
Tennessee	96	0	0	80	0	0	0
West South Central	**0**	**288**	**0**	**27**	**0**	**0**	**0**
Arkansas	0	0	0	552	0	0	0
Louisiana	0	0	0	168	0	0	0
Oklahoma	0	194	0	148	0	0	0
Texas	0	424	0	25	0	0	0
Mountain	**0**	**577**	**0**	**43**	**0**	**0**	**0**
Arizona	0	577	0	84	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	78	0	0	0
New Mexico	0	0	0	70	0	0	0
Utah	0	0	0	652	0	0	0
Pacific Contiguous	**0**	**305**	**0**	**16**	**0**	**0**	**242**
California	0	136	0	16	0	0	242
Oregon	0	654	0	103	0	0	0
Washington	0	2,131	0	252	0	0	0
Pacific Noncontiguous	**17**	**121**	**0**	**370**	**0**	**0**	**0**
Alaska	17	155	0	370	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**10**	**42**	**0**	**9**	**0**	**0**	**146**

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, June 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**	**332**	**57**	**0**	**36**	**18**
Connecticut	0	0	0	0	0	0	0	59
Maine	0	0	0	0	62	0	36	38
Massachusetts	0	0	0	332	114	0	0	17
New Hampshire	0	0	0	0	0	0	0	105
Rhode Island	0	0	0	0	0	0	0	116
Vermont	0	0	0	0	258	0	0	213
Middle Atlantic	**0**	**0**	**0**	**77**	**21**	**0**	**11**	**12**
New Jersey	0	0	0	77	30	0	0	22
New York	0	0	0	0	42	0	24	17
Pennsylvania	0	0	0	0	19	0	0	22
East North Central	**0**	**0**	**0**	**334**	**26**	**0**	**13**	**10**
Illinois	0	0	0	0	0	0	0	16
Indiana	0	0	0	0	136	0	81	25
Michigan	0	0	0	0	23	0	12	10
Ohio	0	0	0	334	334	0	0	60
Wisconsin	0	0	0	0	216	0	1,753	80
West North Central	**0**	**0**	**0**	**0**	**77**	**0**	**72**	**16**
Iowa	0	0	0	0	115	0	0	32
Minnesota	0	0	0	0	106	0	72	42
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	202	0	0	179
North Dakota	0	0	0	0	0	0	0	914
South Dakota	0	0	0	0	0	0	0	987
South Atlantic	**0**	**0**	**0**	**92**	**27**	**0**	**13**	**19**
Delaware	0	0	0	0	202	0	0	202
District of Columbia	0	0	0	0	0	0	0	100
Florida	0	0	0	472	115	0	0	98
Georgia	0	0	0	318	121	0	0	118
Maryland	0	0	0	268	86	0	520	51
North Carolina	0	0	0	103	103	0	0	87
South Carolina	0	0	0	0	0	0	0	382
Virginia	0	0	0	0	26	0	13	16
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**66**
Mississippi	0	0	0	0	0	0	0	232
Tennessee	0	0	0	0	0	0	0	66
West South Central	**0**	**0**	**0**	**399**	**112**	**0**	**0**	**26**
Arkansas	0	0	0	0	314	0	0	287
Louisiana	0	0	0	0	0	0	0	168
Oklahoma	0	0	0	0	0	0	0	147
Texas	0	0	0	399	120	0	0	25
Mountain	**0**	**0**	**0**	**57**	**47**	**0**	**0**	**33**
Arizona	0	0	0	334	334	0	0	83
Colorado	0	0	0	121	70	0	0	63
Nevada	0	0	0	58	58	0	0	50
New Mexico	0	0	0	0	193	0	0	67
Utah	0	0	0	0	0	0	0	652
Pacific Contiguous	**0**	**0**	**0**	**72**	**17**	**0**	**0**	**12**
California	0	0	0	72	17	0	0	12
Oregon	0	0	0	0	126	0	0	82
Washington	0	0	0	0	0	0	0	251
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**
Alaska	0	0	0	0	0	0	0	17
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**39**	**12**	**0**	**7**	**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 June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**36**	**0**	**12**	**0**	**0**	**182**
Connecticut	0	184	0	33	0	0	0
Maine	0	195	0	644	0	0	0
Massachusetts	0	42	0	9	0	0	182
New Hampshire	0	76	0	0	0	0	0
Rhode Island	0	258	0	68	0	0	0
Vermont	0	252	0	0	0	0	0
Middle Atlantic	**74**	**118**	**0**	**12**	**240**	**0**	**185**
New Jersey	0	229	0	37	240	0	0
New York	0	132	0	12	0	0	185
Pennsylvania	74	20	0	62	0	0	0
East North Central	**4**	**363**	**0**	**9**	**0**	**0**	**170**
Illinois	10	159	0	7	0	0	319
Indiana	7	1,532	0	66	0	0	0
Michigan	0	400	0	11	0	0	0
Ohio	77	121	0	35	0	0	0
Wisconsin	43	2,569	0	43	0	0	192
West North Central	**9**	**154**	**0**	**19**	**0**	**0**	**0**
Iowa	14	156	0	121	0	0	0
Minnesota	51	172	0	27	0	0	0
Missouri	0	161	0	0	0	0	0
Nebraska	0	0	0	170	0	0	0
North Dakota	0	306	0	0	0	0	0
South Dakota	0	328	0	0	0	0	0
South Atlantic	**23**	**152**	**0**	**28**	**0**	**0**	**62**
District of Columbia	0	0	0	56	0	0	0
Florida	0	0	0	93	0	0	0
Georgia	0	39	0	0	0	0	0
Maryland	0	4,392	0	35	0	0	0
North Carolina	0	113	0	0	0	0	57
South Carolina	0	67	0	96	0	0	595
Virginia	96	28	0	0	0	0	0
East South Central	**39**	**0**	**0**	**47**	**0**	**0**	**0**
Mississippi	0	0	0	163	0	0	0
Tennessee	39	0	0	45	0	0	0
West South Central	**0**	**151**	**0**	**17**	**0**	**0**	**0**
Arkansas	0	0	0	520	0	0	0
Louisiana	0	0	0	118	0	0	0
Oklahoma	0	65	0	77	0	0	0
Texas	0	226	0	16	0	0	0
Mountain	**0**	**193**	**0**	**18**	**0**	**0**	**0**
Arizona	0	193	0	33	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	33	0	0	0
New Mexico	0	0	0	29	0	0	0
Utah	0	0	0	215	0	0	0
Pacific Contiguous	**0**	**299**	**0**	**7**	**0**	**0**	**186**
California	0	45	0	7	0	0	186
Oregon	0	2,080	0	45	0	0	0
Washington	0	644	0	154	0	0	0
Pacific Noncontiguous	**6**	**45**	**0**	**178**	**0**	**0**	**0**
Alaska	6	69	0	178	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**4**	**34**	**0**	**4**	**240**	**0**	**68**

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 June 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**	**149**	**23**	**0**	**17**	**10**
Connecticut	0	0	0	0	0	0	0	33
Maine	0	0	0	0	26	0	17	17
Massachusetts	0	0	0	149	41	0	0	9
New Hampshire	0	0	0	0	0	0	0	76
Rhode Island	0	0	0	0	0	0	0	66
Vermont	0	0	0	0	104	0	0	135
Middle Atlantic	**0**	**0**	**0**	**34**	**8**	**0**	**5**	**6**
New Jersey	0	0	0	34	9	0	0	11
New York	0	0	0	291	19	0	12	8
Pennsylvania	0	0	0	0	8	0	0	12
East North Central	**0**	**0**	**0**	**133**	**13**	**0**	**8**	**5**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	56	0	39	16
Michigan	0	0	0	0	13	0	7	6
Ohio	0	0	0	133	133	0	0	34
Wisconsin	0	0	0	0	84	0	654	36
West North Central	**0**	**0**	**0**	**0**	**28**	**0**	**33**	**8**
Iowa	0	0	0	0	46	0	0	14
Minnesota	0	0	0	0	35	0	33	19
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	80	0	0	73
North Dakota	0	0	0	0	0	0	0	306
South Dakota	0	0	0	0	0	0	0	328
South Atlantic	**0**	**0**	**0**	**39**	**11**	**0**	**6**	**9**
Delaware	0	0	0	0	67	0	0	67
District of Columbia	0	0	0	0	0	0	0	56
Florida	0	0	0	189	46	0	0	53
Georgia	0	0	0	127	51	0	0	49
Maryland	0	0	0	112	35	0	215	28
North Carolina	0	0	0	44	44	0	0	18
South Carolina	0	0	0	0	0	0	0	133
Virginia	0	0	0	0	11	0	6	7
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**
Mississippi	0	0	0	0	0	0	0	163
Tennessee	0	0	0	0	0	0	0	37
West South Central	**0**	**0**	**0**	**159**	**44**	**0**	**0**	**16**
Arkansas	0	0	0	0	127	0	0	128
Louisiana	0	0	0	0	0	0	0	118
Oklahoma	0	0	0	0	0	0	0	76
Texas	0	0	0	159	47	0	0	15
Mountain	**0**	**0**	**0**	**24**	**21**	**0**	**0**	**14**
Arizona	0	0	0	133	99	0	0	31
Colorado	0	0	0	49	32	0	0	30
Nevada	0	0	0	25	25	0	0	23
New Mexico	0	0	0	0	94	0	0	28
Utah	0	0	0	0	0	0	0	215
Pacific Contiguous	**0**	**0**	**0**	**29**	**7**	**0**	**0**	**5**
California	0	0	0	29	7	0	0	5
Oregon	0	0	0	0	54	0	0	35
Washington	0	0	0	0	0	0	0	152
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**
Alaska	0	0	0	0	0	0	0	6
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**16**	**5**	**0**	**3**	**3**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**42**	**45**	**0**	**11**	**0**	**0**	**29**
Connecticut	0	260	0	53	0	0	0
Maine	0	57	0	10	0	0	28
Massachusetts	85	37	0	64	0	0	415
New Hampshire	0	665	0	165	0	0	472
Vermont	0	0	0	0	0	0	222
Middle Atlantic	**13**	**12**	**101**	**22**	**10**	**0**	**128**
New Jersey	0	528	143	40	41	0	0
New York	0	3	0	47	0	0	128
Pennsylvania	22	179	141	31	6	0	0
East North Central	**6**	**31**	**38**	**21**	**8**	**0**	**105**
Illinois	7	4,116	0	41	30	0	0
Indiana	72	17	0	28	7	0	0
Michigan	31	0	114	52	0	0	262
Ohio	21	0	565	104	38	0	0
Wisconsin	8	809	0	58	0	0	115
West North Central	**7**	**98**	**0**	**44**	**77**	**0**	**55**
Iowa	7	442	0	206	0	0	0
Kansas	0	0	0	126	0	0	0
Minnesota	19	93	0	40	0	0	55
Missouri	66	0	0	615	0	0	0
Nebraska	27	0	0	121	0	0	0
North Dakota	53	229	0	134	77	0	0
South Atlantic	**11**	**15**	**0**	**9**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	51	71	0	18	0	0	0
Georgia	13	14	0	22	0	0	237
Maryland	0	0	0	87	0	0	0
North Carolina	50	95	0	61	0	0	19
South Carolina	15	0	0	47	0	0	0
Virginia	22	40	0	37	0	0	314
West Virginia	7	0	0	307	0	0	5
East South Central	**5**	**41**	**0**	**8**	**16**	**0**	**16**
Alabama	25	45	0	10	17	0	0
Kentucky	0	0	0	56	0	0	0
Mississippi	0	0	0	11	0	0	0
Tennessee	3	320	0	82	0	0	16
West South Central	**32**	**59**	**19**	**2**	**5**	**0**	**0**
Arkansas	0	339	0	38	0	0	0
Louisiana	0	0	68	2	5	0	0
Oklahoma	37	0	0	76	0	0	0
Texas	0	304	7	3	10	0	0
Mountain	**8**	**1,446**	**0**	**19**	**12**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	3,084	0	163	0	0	0
Idaho	57	0	0	68	0	0	0
Montana	156	0	0	0	0	0	0
Nevada	0	0	0	46	0	0	0
New Mexico	0	0	0	84	0	0	0
Utah	0	0	0	41	108	0	0
Wyoming	25	1,480	0	10	7	0	0
Pacific Contiguous	**6**	**66**	**0**	**6**	**6**	**0**	**824**
California	7	80	0	6	6	0	0
Oregon	0	0	0	66	0	0	0
Washington	0	71	0	0	0	0	824
Pacific Noncontiguous	**117**	**25**	**0**	**84**	**98**	**0**	**202**
Alaska	0	22	0	84	310	0	0
Hawaii	117	52	0	0	104	0	202
U.S. Total	**4**	**10**	**17**	**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, June 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**	**3**	**0**	**11**	**6**
Connecticut	0	0	0	0	0	0	374	52
Maine	0	0	0	0	4	0	0	6
Massachusetts	0	0	0	0	0	0	0	14
New Hampshire	0	0	0	0	0	0	0	161
Vermont	0	0	0	0	0	0	0	222
Middle Atlantic	**0**	**0**	**0**	**196**	**9**	**0**	**0**	**9**
New Jersey	0	0	0	472	472	0	0	32
New York	0	0	0	0	5	0	0	15
Pennsylvania	0	0	0	213	13	0	0	11
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**8**	**5**
Illinois	0	0	0	0	0	0	22	9
Indiana	0	0	0	0	159	0	0	7
Michigan	0	0	0	0	9	0	0	17
Ohio	0	0	0	0	15	0	0	17
Wisconsin	0	0	0	0	12	0	76	11
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**62**	**7**
Iowa	0	0	0	0	0	0	0	7
Kansas	0	0	0	0	0	0	0	126
Minnesota	0	0	0	0	9	0	62	12
Missouri	0	0	0	0	646	0	0	66
Nebraska	0	0	0	0	0	0	0	27
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	7	0	5	6
Georgia	0	0	0	0	4	0	5	5
Maryland	0	0	0	0	0	0	0	16
North Carolina	0	0	0	0	6	0	0	9
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**	**72**	**3**
Alabama	0	0	0	0	4	0	0	4
Kentucky	0	0	0	0	6	0	0	28
Mississippi	0	0	0	0	3	0	239	5
Tennessee	0	0	0	0	9	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**12**	**2**
Arkansas	0	0	0	0	3	0	0	4
Louisiana	0	0	0	0	5	0	8	2
Oklahoma	0	0	0	0	27	0	130	24
Texas	0	0	0	0	10	0	20	3
Mountain	**0**	**0**	**0**	**458**	**5**	**0**	**16**	**7**
Arizona	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	180	0	52	55
Idaho	0	0	0	0	5	0	0	10
Montana	0	0	0	0	0	0	0	156
Nevada	0	0	0	458	458	0	0	45
New Mexico	0	0	0	0	0	0	0	84
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**342**	**6**	**0**	**10**	**4**
California	0	0	0	342	14	0	11	5
Oregon	0	0	0	0	8	0	0	10
Washington	0	0	0	0	6	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**70**	**0**	**0**	**46**
Alaska	0	0	0	0	941	0	0	48
Hawaii	0	0	0	0	70	0	0	57
U.S. Total	**0**	**0**	**0**	**164**	**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 June 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**16**	**24**	**0**	**6**	**0**	**0**	**10**
Connecticut	0	184	0	30	0	0	0
Maine	0	26	0	6	0	0	10
Massachusetts	36	20	0	37	0	0	175
New Hampshire	0	7,268	0	93	0	0	199
Vermont	0	0	0	0	0	0	89
Middle Atlantic	**5**	**12**	**52**	**12**	**5**	**0**	**51**
New Jersey	0	460	97	22	19	0	0
New York	0	8	0	25	0	0	51
Pennsylvania	7	121	61	17	3	0	0
East North Central	**2**	**12**	**15**	**11**	**4**	**0**	**42**
Illinois	3	1,367	0	23	14	0	0
Indiana	32	9	0	15	3	0	0
Michigan	11	0	53	21	0	0	104
Ohio	7	0	316	57	18	0	0
Wisconsin	4	134	0	24	0	0	45
West North Central	**3**	**61**	**0**	**20**	**36**	**0**	**46**
Iowa	3	148	0	107	0	0	0
Kansas	0	0	0	35	0	0	0
Minnesota	8	81	0	25	0	0	46
Missouri	26	0	0	342	0	0	0
Nebraska	12	0	0	57	0	0	0
North Dakota	23	93	0	57	36	0	0
South Atlantic	**5**	**9**	**0**	**6**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0
Florida	26	36	0	12	0	0	0
Georgia	6	12	0	16	0	0	94
Maryland	0	0	0	53	0	0	0
North Carolina	25	53	0	26	0	0	7
South Carolina	8	0	0	16	0	0	0
Virginia	10	15	0	29	0	0	130
West Virginia	4	0	0	180	0	0	2
East South Central	**2**	**28**	**0**	**5**	**7**	**0**	**6**
Alabama	13	31	0	7	7	0	0
Kentucky	0	0	0	31	0	0	0
Mississippi	0	0	0	8	0	0	0
Tennessee	1	178	0	21	0	0	6
West South Central	**16**	**13**	**7**	**1**	**2**	**0**	**0**
Arkansas	0	161	0	19	0	0	0
Louisiana	163	0	30	2	2	0	0
Oklahoma	22	0	0	48	0	0	0
Texas	0	178	3	2	4	0	0
Mountain	**5**	**175**	**0**	**7**	**5**	**0**	**0**
Arizona	82	137	0	84	0	0	0
Colorado	0	1,026	0	65	0	0	0
Idaho	24	0	0	18	0	0	0
Montana	64	0	0	0	0	0	0
Nevada	0	0	0	18	0	0	0
New Mexico	0	0	0	32	0	0	0
Utah	0	0	0	15	49	0	0
Wyoming	11	570	0	5	3	0	0
Pacific Contiguous	**2**	**17**	**0**	**2**	**2**	**0**	**332**
California	3	15	0	2	2	0	0
Oregon	0	0	0	25	0	0	0
Washington	0	26	0	0	0	0	332
Pacific Noncontiguous	**72**	**20**	**0**	**36**	**44**	**0**	**79**
Alaska	0	7	0	36	154	0	0
Hawaii	72	30	0	0	46	0	79
U.S. Total	**2**	**7**	**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 June 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**	**7**	**3**
Connecticut	0	0	0	0	0	0	170	30
Maine	0	0	0	0	2	0	0	3
Massachusetts	0	0	0	0	0	0	0	8
New Hampshire	0	0	0	0	257	0	0	84
Vermont	0	0	0	0	0	0	0	89
Middle Atlantic	**0**	**0**	**0**	**78**	**4**	**0**	**0**	**4**
New Jersey	0	0	0	189	189	0	0	16
New York	0	0	0	0	2	0	0	7
Pennsylvania	0	0	0	85	5	0	0	5
East North Central	**0**	**0**	**0**	**0**	**3**	**0**	**4**	**2**
Illinois	0	0	0	0	0	0	10	4
Indiana	0	0	0	0	64	0	0	3
Michigan	0	0	0	0	4	0	0	6
Ohio	0	0	0	0	5	0	0	7
Wisconsin	0	0	0	0	4	0	31	4
West North Central	**0**	**0**	**0**	**0**	**4**	**0**	**28**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	35
Minnesota	0	0	0	0	4	0	28	5
Missouri	0	0	0	0	183	0	0	28
Nebraska	0	0	0	0	0	0	0	12
North Dakota	0	0	0	0	227	0	0	19
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	4
Georgia	0	0	0	0	2	0	8	3
Maryland	0	0	0	0	0	0	0	9
North Carolina	0	0	0	0	2	0	0	4
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**	**48**	**2**
Alabama	0	0	0	0	2	0	0	2
Kentucky	0	0	0	0	2	0	0	14
Mississippi	0	0	0	0	1	0	81	4
Tennessee	0	0	0	0	4	0	0	2
West South Central	**0**	**0**	**0**	**0**	**2**	**0**	**5**	**1**
Arkansas	0	0	0	0	1	0	0	3
Louisiana	0	0	0	0	2	0	3	2
Oklahoma	0	0	0	0	11	0	55	13
Texas	0	0	0	0	5	0	9	2
Mountain	**0**	**0**	**0**	**180**	**2**	**0**	**6**	**3**
Arizona	0	0	0	0	0	0	0	67
Colorado	0	0	0	0	90	0	25	25
Idaho	0	0	0	0	2	0	0	4
Montana	0	0	0	0	0	0	0	64
Nevada	0	0	0	180	180	0	0	18
New Mexico	0	0	0	0	0	0	0	32
Utah	0	0	0	0	0	0	0	4
Wyoming	0	0	0	0	0	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**137**	**2**	**0**	**6**	**2**
California	0	0	0	137	6	0	6	2
Oregon	0	0	0	0	3	0	0	5
Washington	0	0	0	0	3	0	0	2
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**27**	**0**	**0**	**16**
Alaska	0	0	0	0	217	0	0	23
Hawaii	0	0	0	0	27	0	0	20
U.S. Total	**0**	**0**	**0**	**65**	**1**	**0**	**2**	**1**

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	1	4	0	1
Maine	1	1	1	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	4	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	2	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	4	0	1
Nebraska	1	1	2	0	1
North Dakota	2	1	4	0	2
South Dakota	2	2	4	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	2	2	6	0	2
District of Columbia	0	0	0	0	0
Florida	1	0	2	0	0
Georgia	1	1	1	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	2	1	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	4	0	1
West South Central	**1**	**0**	**1**	**2**	**0**
Arkansas	2	2	2	424	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	0	1	0	0
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	2	0	0
Colorado	2	1	3	0	1
Idaho	1	1	1	0	0
Montana	2	1	2	0	1
Nevada	1	1	0	0	0
New Mexico	3	2	4	0	2
Utah	3	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	1	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	2	4	0	2
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 June 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	1	0	0
Massachusetts	0	1	2	0	1
New Hampshire	0	1	2	0	1
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	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	1	1	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	1	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	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	1	0	1
Mississippi	1	1	1	0	1
Tennessee	1	1	2	0	1
West South Central	**0**	**0**	**0**	**1**	**0**
Arkansas	1	1	1	276	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	1	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	1	1	2	0	1
Washington	0	1	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	1	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.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, June 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	1	1	3	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	3	2	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	2	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	2	1	2	0	1
Michigan	0	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	1	4	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	4	0	1
Nebraska	2	1	3	0	1
North Dakota	2	1	4	0	2
South Dakota	2	2	4	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	2	2	9	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	1	1	2	0	1
Virginia	1	0	2	0	1
West Virginia	1	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	2	1	3	0	1
Mississippi	2	1	3	0	1
Tennessee	1	1	4	0	1
West South Central	**1**	**0**	**1**	**2**	**0**
Arkansas	2	2	3	386	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	1	1	0	0
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	3	0	1
Colorado	2	1	4	0	1
Idaho	1	1	1	0	1
Montana	2	1	4	0	1
Nevada	1	1	1	0	0
New Mexico	3	2	6	0	2
Utah	3	1	2	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	2	0	0
Oregon	1	1	3	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	4	3	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**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 June 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**9**	**0**
Connecticut	0	0	2	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	28	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	1	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	1
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	0	1	2	0	0
Georgia	1	1	1	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
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	1
Kentucky	1	1	2	0	1
Mississippi	1	2	2	0	1
Tennessee	1	1	3	0	1
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	2	2	285	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, June 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	3	0	0
Maine	0	0	1	0	0
Massachusetts	0	1	1	0	1
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	1	1	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	1	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	0	1	0	0
Indiana	1	0	1	0	0
Michigan	0	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	1	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	0	1	0	0
Missouri	0	0	1	0	0
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	2	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	0	4	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	1	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**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	0	1	0	0
Mississippi	1	1	2	0	1
Tennessee	0	0	1	0	0
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	2	232	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	2	0	1
Idaho	1	1	0	0	0
Montana	1	1	2	0	1
Nevada	0	0	0	0	0
New Mexico	1	1	3	0	1
Utah	1	1	1	0	0
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	0	2	0	1
Washington	1	0	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table A.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 June 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**9**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	28	1
New Hampshire	0	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	1	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	2	0	0
Wisconsin	1	1	1	0	0
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	1	0	1
Missouri	0	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	0	1	2	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	0	1	2	0	1
Mississippi	1	2	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**1**	**1**	**2**	**0**
Arkansas	1	2	2	324	1
Louisiana	1	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	1	1	1	0	0
Montana	1	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	1	1	2	0	1
Washington	0	1	2	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table 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 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 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	01/17/2013 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	01/20/2013 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 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	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 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 8:00 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	02/08/2013 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	02/10/2013 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	02/13/2013 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	02/19/2013 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	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	03/03/2013 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	03/04/2013 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	03/06/2013 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 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	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	04/18/2013 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	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	05/01/2013 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	05/02/2013 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	05/09/2013 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

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	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

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, June 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	23.17	6.25	--	1.03
Connecticut	--	5.84	--	1.03
Maine	25.36	6.25	--	1.03
Massachusetts	22.78	6.28	--	1.03
New Hampshire	24.19	5.78	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.60	5.96	--	1.03
New Jersey	25.78	5.74	--	1.04
New York	22.24	6.01	--	1.03
Pennsylvania	23.65	5.80	--	1.04
East North Central	20.15	5.78	28.22	1.03
Illinois	17.76	5.77	--	1.01
Indiana	22.10	5.74	--	1.02
Michigan	19.07	5.81	28.99	1.02
Ohio	24.07	5.77	28.25	1.04
Wisconsin	17.99	5.84	27.90	1.02
West North Central	16.79	5.77	--	1.03
Iowa	17.18	5.76	--	1.03
Kansas	17.11	5.76	--	1.03
Minnesota	17.79	5.79	--	1.04
Missouri	17.70	5.76	--	1.02
Nebraska	17.25	5.79	--	1.03
North Dakota	13.19	6.00	--	--
South Dakota	16.65	--	--	1.02
South Atlantic	23.30	5.86	27.98	1.02
Delaware	25.66	--	--	1.04
District of Columbia	--	--	--	--
Florida	23.32	5.79	28.19	1.02
Georgia	19.73	5.95	26.12	1.02
Maryland	24.50	5.77	--	1.05
North Carolina	24.85	5.80	--	1.01
South Carolina	25.00	6.10	--	1.02
Virginia	22.22	5.88	--	1.04
West Virginia	24.29	5.75	--	1.04
East South Central	21.29	5.81	28.47	1.02
Alabama	20.40	5.77	--	1.02
Kentucky	22.57	5.82	28.47	1.03
Mississippi	15.94	5.78	--	1.02
Tennessee	21.01	5.76	--	1.02
West South Central	15.94	5.85	28.87	1.03
Arkansas	17.39	5.80	--	1.03
Louisiana	16.55	5.81	28.92	1.03
Oklahoma	17.46	5.92	--	1.04
Texas	15.34	5.82	28.67	1.02
Mountain	18.98	5.73	--	1.03
Arizona	19.55	5.50	--	1.02
Colorado	19.17	--	--	1.05
Idaho	--	--	--	1.01
Montana	16.92	5.92	--	--
Nevada	19.03	5.82	--	1.04
New Mexico	17.97	5.66	--	1.03
Utah	22.13	5.83	--	1.05
Wyoming	17.67	5.81	--	1.04
Pacific Contiguous	19.29	5.95	--	1.03
California	23.67	--	--	1.03
Oregon	17.52	5.83	--	1.04
Washington	16.90	6.00	--	1.04
Pacific Noncontiguous	20.15	6.09	--	1.01
Alaska	--	--	--	1.01
Hawaii	20.15	6.09	--	--
U.S. Total	19.38	5.99	28.40	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.