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

Preface

The Electric Power Monthly (EPM) presents monthly 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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Table ES1.A. Total Electric Power Industry Summary Statistics, 2013 and 2012

Net Generation and Consumption of Fuels for December												
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial		
				Electric Utilities		Independent Power Producers						
Fuel	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Net Generation (Thousand Megawatthours)												
Coal	142,304	134,079	6.1%	105,724	101,368	35,373	31,555	69	77	1,138	1,079
Petroleum Liquids	1,421	1,235	15.0%	806	755	543	415	NM	15	43	51
Petroleum Coke	1,005	800	25.6%	743	434	152	133	1	1	109	233
Natural Gas	91,777	83,989	9.3%	38,841	35,539	44,496	40,394	566	483	7,873	7,573
Other Gas	1,048	963	8.9%	7	0	318	253	0	0	722	709
Nuclear	71,294	68,584	4.0%	37,412	33,656	33,881	34,928	0	0	0	0
Hydroelectric Conventional	21,323	22,984	-7.2%	19,028	20,933	1,966	1,862	NM	2	326	186
Renewable Sources Excluding Hydroelectric	21,581	21,402	0.8%	2,828	2,653	15,979	16,039	252	219	2,521	2,490
... Wind	14,100	14,524	-2.9%	2,310	2,203	11,782	12,313	NM	5	NM	2
... Solar Thermal and Photovoltaic	737	349	111.5%	54	52	662	287	20	9	NM	NM
... Wood and Wood-Derived Fuels	3,623	3,365	7.7%	247	182	953	786	5	2	2,418	2,394
... Other Biomass	1,696	1,773	-4.3%	117	116	1,259	1,362	222	203	98	93
... Geothermal	1,424	1,390	2.4%	100	99	1,324	1,291	0	0	0	0
Hydroelectric Pumped Storage	-402	-576	-30.3%	-307	-499	-95	-77	0	0	0	0
Other Energy Sources	1,006	1,176	-14.4%	36	45	564	610	94	91	312	430
All Energy Sources	352,357	334,635	5.3%	205,119	194,884	133,180	126,112	1,014	888	13,044	12,751
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	77,283	73,217	5.6%	56,761	54,516	20,096	18,275	25	27	401	398
Petroleum Liquids (1000 barrels)	2,353	2,045	15.1%	1,417	1,345	852	617	NM	23	43	60
Petroleum Coke (1000 tons)	378	308	22.8%	272	170	69	56	0	0	36	82
Natural Gas (1000 Mcf)	694,225	630,173	10.2%	302,944	277,026	329,721	293,821	5,435	4,479	56,125	54,847
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,654	1,685	-1.8%	0	0	186	218	109	113	1,359	1,354
Petroleum Liquids (1000 barrels)	268	242	10.5%	0	0	93	85	NM	8	155	149
Petroleum Coke (1000 tons)	132	118	12.3%	0	0	9	10	1	1	122	107
Natural Gas (1000 Mcf)	82,468	75,537	9.2%	0	0	29,151	28,655	4,904	3,809	48,413	43,073
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	78,938	74,901	5.4%	56,761	54,516	20,282	18,493	134	141	1,760	1,751
Petroleum Liquids (1000 barrels)	2,621	2,287	14.6%	1,417	1,345	945	702	NM	31	198	209
Petroleum Coke (1000 tons)	511	426	19.9%	272	170	79	66	2	1	158	188
Natural Gas (1000 Mcf)	776,693	705,710	10.1%	302,944	277,026	358,872	322,476	10,339	8,288	104,538	97,920
Fuel Stocks (end-of-month)											
Coal (1000 tons)	150,541	188,109	-20.0%	120,888	150,942	27,085	34,174	284	465	2,285	2,528
Petroleum Liquids (1000 barrels)	33,493	35,285	-5.1%	21,906	23,875	9,139	8,349	371	605	2,077	2,456
Petroleum Coke (1000 tons)	759	1,120	-32.2%	303	414	86	81	W	W	W	W

Sales, Revenue, and Average Retail Price for December									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	December 2013	December 2012	Percentage Change	December 2013	December 2012	Percentage Change	December 2013	December 2012	Percentage Change
Residential	128,357	114,188	12.4%	15,045	13,271	13.4%	11.72	11.62	0.9%
Commercial	108,849	104,122	4.5%	10,861	10,212	6.4%	9.98	9.81	1.7%
Industrial	76,205	78,360	-2.8%	5,048	5,110	-1.2%	6.62	6.52	1.5%
Transportation	665	619	7.5%	68	64	6.3%	10.17	10.28	-1.1%
All Sectors	314,076	297,288	5.6%	31,022	28,656	8.3%	9.88	9.64	2.5%

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.
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 for 2013 are preliminary. Values for 2012 are final. 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 December											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	1,585,998	1,514,043	4.8%	1,190,669	1,146,480	381,510	354,076	799	883	13,020	12,603
Petroleum Liquids	13,410	13,403	0.1%	9,022	9,892	3,696	2,757	NM	191	450	563
Petroleum Coke	13,453	9,787	37.5%	9,522	5,664	1,855	1,758	5	6	2,071	2,359
Natural Gas	1,113,665	1,225,894	-9.2%	473,207	504,958	546,755	627,833	6,351	6,603	87,352	86,500
Other Gas	12,271	11,898	3.1%	68	0	3,276	2,984	0	0	8,926	8,913
Nuclear	789,017	769,331	2.6%	406,114	394,823	382,902	374,509	0	0	0	0
Hydroelectric Conventional	269,136	276,240	-2.6%	243,239	252,936	22,500	20,923	36	28	3,363	2,353
Renewable Sources Excluding Hydroelectric	253,328	218,333	16.0%	31,645	28,017	190,002	160,064	2,904	2,545	28,777	27,707
... Wind	167,665	140,822	19.1%	25,893	22,926	141,674	117,822	63	54	35	19
... Solar Thermal and Photovoltaic	9,252	4,327	113.8%	987	639	7,931	3,525	313	148	21	14
... Wood and Wood-Derived Fuels	39,937	37,799	5.7%	2,327	1,836	9,901	9,214	31	24	27,678	26,725
... Other Biomass	19,957	19,823	0.7%	1,433	1,472	14,984	15,084	2,496	2,319	1,044	948
... Geothermal	16,517	15,562	6.1%	1,005	1,143	15,512	14,419	0	0	0	0
Hydroelectric Pumped Storage	-4,424	-4,950	-10.6%	-3,583	-4,202	-841	-748	0	0	0	0
Other Energy Sources	12,355	13,787	-10.4%	408	603	6,826	7,030	1,143	1,046	3,979	5,108
All Energy Sources	4,058,209	4,047,765	0.3%	2,360,310	2,339,172	1,538,482	1,551,186	11,480	11,301	147,937	146,107
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	860,790	825,734	4.2%	639,290	615,467	216,566	205,295	309	307	4,624	4,665
Petroleum Liquids (1000 barrels)	22,751	22,604	0.6%	16,429	17,521	5,515	4,110	305	272	501	702
Petroleum Coke (1000 tons)	4,893	3,675	33.1%	3,409	2,105	798	756	1	1	684	812
Natural Gas (1000 Mcf)	8,512,483	9,484,710	-10.3%	3,771,496	4,101,927	4,053,122	4,686,260	59,615	63,116	628,250	633,407
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	18,587	19,333	-3.9%	0	0	2,494	2,790	1,103	1,143	14,989	15,400
Petroleum Liquids (1000 barrels)	2,939	3,097	-5.1%	0	0	1,044	992	148	122	1,747	1,984
Petroleum Coke (1000 tons)	1,144	1,346	-15.0%	0	0	109	113	11	11	1,024	1,222
Natural Gas (1000 Mcf)	894,276	886,103	0.9%	0	0	328,668	322,607	46,974	47,883	518,634	515,613
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	879,377	845,066	4.1%	639,290	615,467	219,061	208,085	1,412	1,450	19,613	20,065
Petroleum Liquids (1000 barrels)	25,690	25,702	0.0%	16,429	17,521	6,559	5,102	453	394	2,249	2,685
Petroleum Coke (1000 tons)	6,037	5,021	20.2%	3,409	2,105	907	869	12	13	1,708	2,034
Natural Gas (1000 Mcf)	9,406,758	10,370,812	-9.3%	3,771,496	4,101,927	4,381,789	5,008,867	106,589	110,999	1,146,884	1,149,020

Sales, Revenue, and Average Retail Price for January through December									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	Percentage Change
Residential	1,391,090	1,374,515	1.2%	168,546	163,280	3.2%	12.12	11.88	2.0%
Commercial	1,338,448	1,327,101	0.9%	137,778	133,898	2.9%	10.29	10.09	2.0%
Industrial	954,725	985,714	-3.1%	65,111	65,761	-1.0%	6.82	6.67	2.2%
Transportation	7,525	7,320	2.8%	773	747	3.5%	10.28	10.21	0.7%
All Sectors	3,691,789	3,694,650	-0.1%	372,208	363,687	2.3%	10.08	9.84	2.4%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
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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.
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 for 2013 are preliminary. Values for 2012 are final. 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	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal (1000 tons)	67,013	71,041	45.21	45.60	327	389	803,206	841,183	45.50	46.09
Petroleum Liquids (1000 barrels)	1,823	1,824	128.15	121.91	195	240	20,348	19,464	125.06	131.28
Petroleum Coke (1000 tons)	433	458	56.11	58.45	11	14	4,555	4,180	61.50	64.14
Natural Gas (1000 Mcf)	692,624	640,143	5.04	4.31	722	778	8,463,303	9,531,389	4.44	3.50

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal (1000 tons)	48,587	51,264	46.37	46.58	231	257	586,469	609,445	46.58	47.51
Petroleum Liquids (1000 barrels)	1,230	1,212	132.08	127.87	128	157	12,850	14,252	128.71	133.44
Petroleum Coke (1000 tons)	343	276	52.48	58.55	7	7	3,463	2,521	60.05	66.40
Natural Gas (1000 Mcf)	294,189	272,801	5.07	4.55	376	390	3,654,627	4,003,457	4.60	3.81

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal (1000 tons)	17,650	18,669	40.93	41.72	75	99	207,886	218,341	41.37	40.92
Petroleum Liquids (1000 barrels)	573	518	119.32	110.92	56	62	7,170	4,073	118.82	131.28
Petroleum Coke (1000 tons)	55	82	W	W	2	3	575	801	W	23.98
Natural Gas (1000 Mcf)	333,790	293,201	5.17	4.14	304	306	4,080,785	4,696,637	4.36	3.25

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal (1000 tons)	11	22	W	67.86	1	3	151	192	W	78.71
Petroleum Liquids (1000 barrels)	0	3	--	W	0	2	0	43	--	W
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	592	1,666	W	6.29	2	6	5,450	18,008	W	5.98

Industrial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal (1000 tons)	765	1,085	W	65.67	20	30	8,700	13,206	W	65.24
Petroleum Liquids (1000 barrels)	20	91	117.04	W	11	19	328	1,095	113.46	W
Petroleum Coke (1000 tons)	35	100	W	W	2	4	517	858	W	72.96
Natural Gas (1000 Mcf)	64,053	72,475	W	3.91	40	76	722,441	813,288	W	3.05

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 for 2013 are preliminary. Values for 2012 are final. 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	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal	1,294,022	1,369,707	2.34	2.36	327	389	15,570,755	16,265,578	2.35	2.38
Petroleum Liquids	11,021	10,773	21.22	20.63	195	240	123,567	116,937	20.59	21.85
Petroleum Coke	12,249	13,029	1.99	2.06	11	14	129,737	119,667	2.16	2.24
Natural Gas	711,200	655,067	4.91	4.21	722	778	8,677,544	9,746,691	4.33	3.42
Fossil Fuels	2,028,492	2,048,569	3.28	3.01	932	1,040	24,501,604	26,248,687	3.10	2.83

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal	950,070	997,447	2.37	2.39	231	257	11,479,647	11,939,543	2.38	2.43
Petroleum Liquids	7,421	7,253	21.90	21.36	128	157	78,306	86,030	21.12	22.11
Petroleum Coke	9,784	7,891	1.84	2.05	7	7	99,088	72,782	2.10	2.30
Natural Gas	301,318	277,655	4.95	4.47	376	390	3,736,948	4,083,579	4.50	3.74
Fossil Fuels	1,268,592	1,290,239	3.09	2.94	520	564	15,393,988	16,181,748	2.98	2.86

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal	326,549	348,160	2.21	2.24	75	99	3,890,699	4,036,436	2.21	2.21
Petroleum Liquids	3,478	2,937	19.70	19.60	56	62	43,238	23,922	19.69	22.34
Petroleum Coke	1,538	2,364	W	W	2	3	16,150	23,024	W	0.82
Natural Gas	343,171	301,391	5.02	4.03	304	306	4,190,714	4,810,553	4.25	3.17
Fossil Fuels	674,736	654,852	W	W	366	385	8,140,801	8,893,934	W	2.74

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal	254	511	W	2.94	1	3	3,507	4,427	W	3.41
Petroleum Liquids	0	18	--	W	0	2	0	247	--	W
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	599	1,698	W	6.17	2	6	5,497	18,315	W	5.88
Fossil Fuels	853	2,227	W	W	2	7	9,004	22,988	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	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
Coal	17,149	23,589	W	3.02	20	30	196,902	285,172	W	3.02
Petroleum Liquids	122	565	19.07	W	11	19	2,023	6,739	18.42	W
Petroleum Coke	927	2,773	W	W	2	4	14,500	23,861	W	2.62
Natural Gas	66,113	74,324	W	3.81	40	76	744,385	834,245	W	2.97
Fossil Fuels	84,311	101,251	W	W	44	84	957,810	1,150,018	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 for 2013 are preliminary. Values for 2012 are final.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

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

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	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	-6,421	14,154	4,100,141
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	218,333	-4,950	13,787	4,047,765
2013	1,585,998	13,410	13,453	1,113,665	12,271	789,017	269,136	253,328	-4,424	12,355	4,058,209
2011											
January	170,803	1,902	1,555	74,254	930	72,743	25,531	14,742	-659	1,071	362,872
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-413	1,027	313,127
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	302,401
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-417	1,210	323,628
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	-692	1,230	406,511
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-583	1,132	337,931
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-601	1,176	308,699
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-458	1,187	304,102
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-509	1,254	335,740
2012											
January	129,091	1,180	1,297	90,761	1,017	72,381	23,107	19,906	-348	1,137	339,528
February	113,872	908	994	90,610	1,044	63,847	20,283	16,996	-237	1,072	309,389
March	105,526	971	570	92,251	1,076	61,729	25,909	20,200	-281	1,140	309,091
April	96,285	965	538	94,829	1,057	55,871	26,294	18,563	-265	1,091	295,228
May	115,983	1,079	651	107,352	1,002	62,081	28,643	18,898	-371	1,200	336,518
June	131,261	1,306	762	115,598	972	65,140	26,659	18,470	-507	1,166	360,826
July	160,450	1,530	809	138,863	1,042	69,129	26,491	15,725	-619	1,218	414,640
August	152,181	1,202	916	131,736	1,050	69,602	23,034	15,330	-529	1,178	395,700
Sept	125,589	978	882	108,012	904	64,511	17,604	15,401	-431	1,135	334,585
October	120,999	1,061	744	91,725	895	59,743	16,501	19,225	-378	1,135	311,651
November	128,727	986	824	80,169	875	56,713	18,732	18,217	-409	1,140	305,975
December	134,079	1,235	800	83,989	963	68,584	22,984	21,402	-576	1,176	334,635
2013											
January	138,265	1,661	1,047	88,012	998	71,406	25,114	21,452	-463	998	348,490
February	123,828	1,103	871	79,874	877	61,483	20,511	20,262	-300	926	309,435
March	130,961	974	1,037	84,281	989	62,947	20,654	22,814	-409	1,054	325,301
April	112,232	973	914	77,128	925	56,767	24,758	23,693	-288	973	298,074
May	119,898	1,053	1,357	83,063	1,059	62,848	28,549	23,336	-355	1,027	321,834
June	138,849	1,027	1,314	98,517	1,015	66,430	27,308	21,063	-355	1,056	356,224
July	153,304	1,478	1,361	119,274	1,150	70,539	27,240	18,686	-345	1,112	393,799
August	149,875	1,090	1,379	119,480	1,144	71,344	21,712	17,277	-454	1,122	383,968
Sept	133,577	865	1,243	101,102	1,037	65,799	16,929	19,065	-389	1,066	340,293
October	121,474	809	1,073	88,049	966	63,184	17,307	21,099	-320	1,041	314,683
November	121,431	956	851	83,110	1,064	64,975	17,732	23,002	-345	975	313,752
December	142,304	1,421	1,005	91,777	1,048	71,294	21,323	21,581	-402	1,006	352,357
Year to Date											
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-6,421	14,154	4,100,141
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	218,333	-4,950	13,787	4,047,765
2013	1,585,998	13,410	13,453	1,113,665	12,271	789,017	269,136	253,328	-4,424	12,355	4,058,209
Rolling 12 Months Ending in December											
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	218,333	-4,950	13,787	4,047,765
2013	1,585,998	13,410	13,453	1,113,665	12,271	789,017	269,136	253,328	-4,424	12,355	4,058,209

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 2012 and prior years are final. Values for 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 from Renewable Sources: Total (All Sectors), 2003-December 2013

(Thousand Megawatthours)

Period	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Sources
Annual Totals										
2003	11,187	2	532	37,529	5,077	8,306	2,428	14,424	275,806	355,293
2004	14,144	6	569	38,117	5,128	8,151	2,141	14,811	268,417	351,485
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,665	8,327	926	39,937	9,793	7,348	2,816	16,517	269,136	522,464
2011										
January	8,550	33	6	3,290	732	542	241	1,347	25,531	40,273
February	10,452	47	39	2,937	680	505	242	1,215	24,131	40,247
March	10,545	65	58	3,081	737	600	228	1,337	31,134	47,784
April	12,422	80	84	2,798	692	602	209	1,239	31,194	49,320
May	11,772	90	100	2,794	728	630	205	1,318	32,587	50,225
June	10,985	98	125	3,230	764	650	218	1,215	32,151	49,435
July	7,489	88	103	3,362	793	659	238	1,269	31,285	45,285
August	7,474	120	109	3,384	805	635	252	1,275	25,764	39,817
Sept	6,869	108	78	3,178	754	603	232	1,226	21,378	34,425
October	10,525	99	60	2,954	754	630	247	1,281	19,787	36,337
November	12,439	82	25	3,088	793	636	256	1,271	20,681	39,270
December	10,656	101	20	3,353	813	662	256	1,324	23,732	40,917
2012										
January	13,632	82	13	3,314	806	589	206	1,263	23,107	43,013
February	11,052	106	29	3,111	735	561	209	1,193	20,283	37,279
March	14,026	163	68	3,034	801	597	226	1,285	25,909	46,109
April	12,709	223	96	2,704	766	598	219	1,248	26,294	44,858
May	12,541	337	125	2,937	804	633	217	1,304	28,643	47,541
June	11,972	391	136	3,081	790	627	195	1,277	26,659	45,128
July	8,822	392	117	3,352	855	651	216	1,321	26,491	42,216
August	8,469	369	93	3,370	861	621	244	1,304	23,034	38,364
Sept	8,790	373	85	3,227	808	600	218	1,300	17,604	33,005
October	12,636	365	66	3,113	861	601	254	1,329	16,501	35,726
November	11,649	316	31	3,190	827	604	253	1,347	18,732	36,950
December	14,524	333	16	3,365	890	639	244	1,390	22,984	44,385
2013										
January	14,633	307	11	3,424	804	586	243	1,443	25,114	46,566
February	13,907	434	45	3,141	703	515	217	1,301	20,511	40,774
March	15,643	595	73	3,372	843	627	238	1,424	20,654	43,468
April	17,294	640	94	2,701	800	606	228	1,330	24,758	48,451
May	16,264	722	104	3,140	870	650	227	1,357	28,549	51,885
June	13,766	808	122	3,287	843	639	220	1,377	27,308	48,371
July	11,146	775	86	3,526	864	656	230	1,404	27,240	45,927
August	9,593	900	101	3,586	845	638	234	1,379	21,712	38,988
Sept	11,709	902	77	3,396	799	606	220	1,356	16,929	35,994
October	13,720	853	114	3,327	809	605	245	1,425	17,307	38,405
November	15,888	699	51	3,413	802	592	258	1,298	17,732	40,733
December	14,100	690	47	3,623	812	628	256	1,424	21,323	42,903
Year to Date										
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,665	8,327	926	39,937	9,793	7,348	2,816	16,517	269,136	522,464
Rolling 12-Month Ending in December										
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,665	8,327	926	39,937	9,793	7,348	2,816	16,517	269,136	522,464

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 Waste Biomass includes 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 2012 and prior years are final. Values for 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-December 2013

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	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	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	28,017	-4,202	603	2,339,172
2013	1,190,669	9,022	9,522	473,207	68	406,114	243,239	31,645	-3,583	408	2,360,310
2011											
January	126,539	1,210	1,082	29,515	1	37,742	23,602	1,713	-551	46	220,900
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-331	49	188,700
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	-403	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-366	55	196,994
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	-599	55	242,540
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-500	48	199,144
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-517	46	181,359
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-398	45	176,515
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-450	49	197,306
2012											
January	96,773	858	843	36,548	0	38,270	20,835	2,620	-301	53	196,498
February	86,462	699	658	35,281	0	33,117	18,363	2,124	-202	53	176,554
March	80,689	784	256	36,916	0	30,601	23,555	2,697	-209	43	175,331
April	75,146	766	293	38,669	0	27,884	24,174	2,374	-250	41	169,095
May	87,924	816	380	45,633	0	31,384	26,049	2,645	-291	53	194,593
June	100,022	934	473	48,423	0	34,052	24,540	2,448	-429	52	210,514
July	121,051	1,133	467	57,832	0	35,999	24,766	1,828	-530	48	242,595
August	115,044	906	477	53,961	0	36,149	21,575	1,851	-445	59	229,579
Sept	94,983	737	520	44,430	0	33,384	16,308	1,814	-368	62	191,871
October	90,924	787	409	38,288	0	31,289	14,911	2,491	-323	48	178,825
November	96,094	717	454	33,438	0	29,038	16,928	2,474	-355	46	178,834
December	101,368	755	434	35,539	0	33,656	20,933	2,653	-499	45	194,884
2013											
January	103,667	982	700	36,940	0	36,748	22,730	2,908	-401	33	204,308
February	91,563	697	616	33,820	0	31,144	18,273	2,650	-284	31	178,510
March	97,856	731	687	35,996	8	31,426	18,392	2,801	-362	38	187,573
April	84,564	721	574	32,110	7	28,991	22,588	3,011	-228	28	172,366
May	90,169	752	1,035	35,214	3	32,977	25,950	2,801	-281	39	188,659
June	104,841	734	966	42,815	3	34,504	24,744	2,404	-257	34	210,788
July	114,527	955	976	50,367	6	36,733	24,660	2,196	-242	40	230,218
August	114,165	812	952	52,076	6	37,177	19,804	1,978	-407	39	226,603
Sept	99,308	552	905	43,496	9	34,459	15,339	2,520	-297	28	196,318
October	91,919	573	759	37,524	8	31,605	15,678	2,579	-254	27	180,417
November	92,366	706	609	34,008	12	32,939	16,052	2,968	-262	35	179,433
December	105,724	806	743	38,841	7	37,412	19,028	2,828	-307	36	205,119
Year to Date											
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	28,017	-4,202	603	2,339,172
2013	1,190,669	9,022	9,522	473,207	68	406,114	243,239	31,645	-3,583	408	2,360,310
Rolling 12 Months Ending in December											
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	28,017	-4,202	603	2,339,172
2013	1,190,669	9,022	9,522	473,207	68	406,114	243,239	31,645	-3,583	408	2,360,310

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 2012 and prior years are final. Values for 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 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-December 2013

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	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	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	160,064	-748	7,030	1,551,186
2013	381,510	3,696	1,855	546,755	3,276	382,902	22,500	190,002	-841	6,826	1,538,482
2011											
January	42,852	588	349	37,417	242	35,000	1,785	10,446	-108	530	129,100
February	33,475	252	298	33,924	206	30,670	1,782	11,904	-82	503	112,932
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	31,101	224	206	46,574	263	34,111	1,995	14,684	-47	577	129,688
February	26,312	147	169	48,027	256	30,730	1,678	12,406	-35	546	120,236
March	23,721	127	138	48,085	261	31,128	2,117	15,075	-71	587	121,167
April	20,138	141	87	49,080	254	27,987	1,940	13,914	-15	561	114,087
May	27,005	210	121	53,993	244	30,697	2,379	13,838	-80	599	129,007
June	30,125	314	119	59,262	253	31,088	1,942	13,609	-78	612	137,247
July	38,127	340	146	72,301	266	33,130	1,586	11,293	-89	620	157,719
August	35,897	235	202	69,198	266	33,453	1,305	10,855	-84	588	151,914
Sept	29,513	186	151	55,837	232	31,126	1,135	11,021	-62	575	129,715
October	29,028	204	156	45,919	225	28,455	1,395	14,180	-55	575	120,080
November	31,554	213	130	39,163	211	27,674	1,590	13,150	-54	580	114,213
December	31,555	415	133	40,394	253	34,928	1,862	16,039	-77	610	126,112
2013											
January	33,501	588	158	42,880	244	34,658	2,064	15,829	-61	548	130,408
February	31,197	344	141	38,670	198	30,340	1,889	15,091	-15	495	118,351
March	31,934	191	157	40,350	213	31,522	1,960	17,319	-47	587	124,185
April	26,657	198	150	37,904	219	27,776	1,914	18,334	-60	555	113,647
May	28,566	240	108	40,265	271	29,871	2,275	17,994	-74	607	120,123
June	32,790	243	146	47,998	281	31,926	2,266	16,025	-97	605	132,182
July	37,467	457	172	60,673	316	33,807	2,265	13,720	-103	621	149,395
August	34,518	222	215	59,278	315	34,167	1,669	12,530	-47	593	143,460
Sept	33,141	266	148	50,078	295	31,340	1,359	13,898	-92	568	131,000
October	28,443	193	157	42,974	287	31,578	1,399	15,876	-66	547	121,388
November	27,924	210	149	41,189	320	32,037	1,475	17,406	-82	537	121,164
December	35,373	543	152	44,496	318	33,881	1,966	15,979	-95	564	133,180
Year to Date											
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	160,064	-748	7,030	1,551,186
2013	381,510	3,696	1,855	546,755	3,276	382,902	22,500	190,002	-841	6,826	1,538,482
Rolling 12 Months Ending in December											
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	160,064	-748	7,030	1,551,186
2013	381,510	3,696	1,855	546,755	3,276	382,902	22,500	190,002	-841	6,826	1,538,482

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 2012 and prior years are final. Values for 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.
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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-December 2013

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	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	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	799	NM	5	6,351	0	0	36	2,904	0	1,143	11,480
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	83	14	1	543	0	0	3	197	0	76	916
February	81	15	1	531	0	0	2	194	0	77	900
March	74	12	1	537	0	0	2	204	0	82	911
April	66	17	0	510	0	0	2	207	0	86	888
May	69	12	0	541	0	0	3	215	0	90	930
June	79	21	0	585	0	0	2	204	0	84	975
July	83	18	1	716	0	0	2	219	0	96	1,135
August	81	18	1	620	0	0	2	228	0	96	1,046
Sept	66	14	1	537	0	0	2	219	0	91	930
October	57	19	1	513	0	0	2	222	0	91	904
November	67	15	1	488	0	0	2	217	0	86	876
December	77	15	1	483	0	0	2	219	0	91	888
2013											
January	76	NM	1	558	0	0	NM	220	0	88	980
February	83	NM	1	503	0	0	NM	208	0	82	904
March	72	16	1	516	0	0	NM	249	0	99	955
April	55	16	0	440	0	0	NM	232	0	94	841
May	67	18	0	491	0	0	NM	240	0	90	909
June	75	17	0	512	0	0	NM	245	0	95	948
July	77	27	0	606	0	0	NM	249	0	103	1,065
August	66	17	1	587	0	0	NM	260	0	107	1,041
Sept	54	16	1	543	0	0	NM	253	0	103	972
October	54	15	1	500	0	0	NM	255	0	96	923
November	51	16	0	528	0	0	NM	240	0	91	928
December	69	NM	1	566	0	0	NM	252	0	94	1,014
Year to Date											
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	799	NM	5	6,351	0	0	36	2,904	0	1,143	11,480
Rolling 12 Months Ending in December											
2012	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	799	NM	5	6,351	0	0	NM	2,904	0	1,143	11,480

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 2012 and prior years are final. Values for 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 1.5. Net Generation by Energy Source: Industrial Sector, 2003-December 2013

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	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	12,603	563	2,359	86,500	8,913	0	2,353	27,707	0	5,108	146,107
2013	13,020	450	2,071	87,352	8,926	0	3,363	28,777	0	3,979	147,937
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	1,135	84	247	7,096	754	0	275	2,405	0	431	12,425
February	1,017	46	167	6,771	788	0	240	2,272	0	396	11,699
March	1,041	49	176	6,713	815	0	234	2,225	0	428	11,681
April	935	41	158	6,571	803	0	178	2,068	0	403	11,158
May	984	41	150	7,186	758	0	212	2,200	0	458	11,988
June	1,035	37	170	7,327	719	0	175	2,210	0	418	12,091
July	1,189	39	195	8,013	776	0	137	2,385	0	454	13,190
August	1,159	43	235	7,956	784	0	152	2,396	0	434	13,160
Sept	1,026	40	210	7,209	672	0	159	2,347	0	406	12,069
October	990	50	179	7,006	670	0	192	2,332	0	422	11,841
November	1,012	41	239	7,080	664	0	213	2,376	0	428	12,052
December	1,079	51	233	7,573	709	0	186	2,490	0	430	12,751
2013											
January	1,020	58	188	7,634	755	0	317	2,495	0	328	12,795
February	986	38	112	6,880	678	0	345	2,313	0	318	11,671
March	1,099	36	192	7,419	769	0	298	2,445	0	330	12,589
April	956	37	190	6,674	700	0	253	2,115	0	295	11,220
May	1,097	43	214	7,093	785	0	320	2,301	0	291	12,143
June	1,142	32	203	7,192	731	0	295	2,389	0	322	12,306
July	1,233	39	212	7,628	827	0	312	2,521	0	349	13,121
August	1,125	40	211	7,539	823	0	235	2,508	0	383	12,864
Sept	1,075	30	190	6,984	734	0	230	2,393	0	367	12,003
October	1,059	29	157	7,052	671	0	228	2,388	0	371	11,955
November	1,090	25	93	7,385	731	0	204	2,387	0	312	12,227
December	1,138	43	109	7,873	722	0	326	2,521	0	312	13,044
Year to Date											
2011	14,490	657	1,234	81,911	8,624	0	1,799	27,619	0	5,541	141,875
2012	12,603	563	2,359	86,500	8,913	0	2,353	27,707	0	5,108	146,107
2013	13,020	450	2,071	87,352	8,926	0	3,363	28,777	0	3,979	147,937
Rolling 12 Months Ending in December											
2012	12,603	563	2,359	86,500	8,913	0	2,353	27,707	0	5,108	146,107
2013	13,020	450	2,071	87,352	8,926	0	3,363	28,777	0	3,979	147,937

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 2012 and prior years are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	9,768	9,782	-0.1%	477	456	8,703	8,748	115	100	474	479
Connecticut	3,154	3,181	-0.8%	NM	3	3,095	3,111	NM	35	NM	32
Maine	1,333	1,194	11.6%	NM	0	932	803	20	17	381	374
Massachusetts	2,498	2,339	6.8%	55	42	2,326	2,190	51	40	65	68
New Hampshire	1,829	1,917	-4.6%	328	326	1,491	1,585	NM	4	NM	2
Rhode Island	293	497	-41.0%	0	0	288	493	NM	4	0	0
Vermont	661	654	1.0%	88	85	570	566	NM	0	NM	3
Middle Atlantic	37,451	35,613	5.2%	3,070	2,823	33,809	32,286	174	166	397	337
New Jersey	5,308	4,725	12.3%	-11	-8	5,210	4,632	49	39	60	62
New York	11,685	11,211	4.2%	2,954	2,709	8,543	8,325	NM	97	94	81
Pennsylvania	20,458	19,677	4.0%	127	122	20,056	19,329	30	31	244	195
East North Central	57,393	52,273	9.8%	30,618	26,571	25,697	24,686	167	146	911	870
Illinois	18,411	17,599	4.6%	1,051	1,018	17,085	16,337	47	39	227	205
Indiana	10,271	9,923	3.5%	8,910	8,610	1,081	1,032	NM	20	262	260
Michigan	9,843	8,172	20.5%	7,852	6,545	1,790	1,432	69	77	132	118
Ohio	12,875	11,426	12.7%	8,206	7,103	4,515	4,203	NM	4	130	116
Wisconsin	5,992	5,154	16.3%	4,598	3,295	1,225	1,682	NM	5	159	172
West North Central	29,824	29,122	2.4%	26,064	25,819	3,313	2,898	51	38	396	366
Iowa	5,082	5,072	0.2%	3,772	3,921	1,083	954	20	15	207	183
Kansas	4,326	4,218	2.6%	3,661	3,583	663	634	0	0	NM	1
Minnesota	4,876	4,809	1.4%	3,988	4,044	743	616	NM	13	127	136
Missouri	8,035	8,134	-1.2%	7,902	7,987	115	134	13	9	NM	5
Nebraska	3,443	3,119	10.4%	3,243	2,964	160	121	NM	1	38	33
North Dakota	3,194	2,981	7.2%	2,798	2,695	381	277	NM	0	NM	9
South Dakota	867	789	9.9%	700	626	168	162	NM	0	0	0
South Atlantic	63,190	60,226	4.9%	52,177	48,104	9,270	10,406	86	53	1,657	1,664
Delaware	533	605	-12.0%	NM	1	461	544	NM	0	71	59
District of Columbia	NM	5	NM	0	0	0	0	NM	5	0	0
Florida	16,727	17,167	-2.6%	15,569	14,835	730	1,830	NM	6	423	496
Georgia	10,287	9,447	8.9%	9,586	7,850	299	1,140	NM	4	398	452
Maryland	3,298	2,993	10.2%	NM	NM	3,241	2,951	NM	10	29	31
North Carolina	10,578	9,756	8.4%	9,168	8,954	1,168	587	9	7	233	208
South Carolina	8,067	7,448	8.3%	7,841	7,217	51	68	NM	0	175	162
Virginia	6,984	5,912	18.1%	5,702	4,916	1,036	798	36	21	210	177
West Virginia	6,711	6,894	-2.7%	4,309	4,329	2,283	2,486	0	0	119	78
East South Central	31,712	31,198	1.6%	27,992	26,874	2,730	3,491	NM	15	973	819
Alabama	12,915	12,845	0.5%	10,200	9,619	2,355	2,871	0	0	360	355
Kentucky	8,245	7,816	5.5%	8,182	7,787	NM	1	0	0	58	27
Mississippi	4,488	3,908	14.8%	3,872	3,077	360	605	NM	1	254	223
Tennessee	6,064	6,630	-8.5%	5,738	6,390	10	13	NM	14	301	213
West South Central	57,254	52,107	9.9%	20,862	18,220	29,908	27,346	54	54	6,431	6,487
Arkansas	5,124	5,044	1.6%	3,845	3,852	1,117	1,011	NM	1	161	180
Louisiana	8,950	8,211	9.0%	4,148	3,930	2,168	1,656	NM	4	2,631	2,621
Oklahoma	6,494	5,248	23.7%	4,751	3,760	1,669	1,413	0	0	74	75
Texas	36,687	33,604	9.2%	8,118	6,678	24,954	23,266	50	50	3,565	3,611
Mountain	32,088	31,047	3.4%	24,725	24,750	7,088	6,016	29	23	244	259
Arizona	9,280	8,259	12.4%	7,560	7,650	1,710	604	10	5	0	0
Colorado	4,899	4,638	5.6%	3,650	3,621	1,241	1,010	NM	2	NM	6
Idaho	1,267	1,131	12.0%	786	611	435	465	0	0	46	55
Montana	2,242	2,805	-20.1%	587	790	1,655	2,014	0	0	NM	1
Nevada	3,049	3,026	0.7%	2,052	2,047	965	950	NM	7	26	22
New Mexico	2,658	3,146	-15.5%	2,124	2,635	527	504	NM	6	NM	0
Utah	3,913	3,426	14.2%	3,695	3,216	167	156	NM	3	48	51
Wyoming	4,779	4,616	3.5%	4,272	4,180	389	312	0	0	119	124
Pacific Contiguous	32,243	31,531	2.3%	18,152	20,200	12,301	9,672	NM	238	1,527	1,422
California	16,728	15,351	9.0%	5,882	6,411	9,245	7,472	NM	227	1,344	1,240
Oregon	5,650	5,514	2.5%	4,026	4,260	1,560	1,183	NM	10	58	60
Washington	9,865	10,667	-7.5%	8,244	9,528	1,495	1,017	NM	0	124	121
Pacific Noncontiguous	1,433	1,735	-17.4%	982	1,067	NM	563	57	55	NM	49
Alaska	591	612	-3.5%	538	555	24	23	25	26	NM	8
Hawaii	842	1,123	-25.0%	444	512	NM	541	32	28	NM	41
U.S. Total	352,357	334,635	5.3%	205,119	194,884	133,180	126,112	1,014	888	13,044	12,751

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	116,296	120,887	-3.8%	3,904	3,278	105,746	111,191	1,245	1,178	5,401	5,240
Connecticut	35,444	36,118	-1.9%	47	37	34,722	35,347	366	397	309	337
Maine	14,079	14,429	-2.4%	NM	0	9,560	10,186	235	208	4,284	4,035
Massachusetts	33,773	36,198	-6.7%	656	591	31,855	34,321	518	469	745	817
New Hampshire	19,784	19,264	2.7%	2,271	2,017	17,407	17,170	70	49	NM	29
Rhode Island	6,295	8,309	-24.2%	10	11	6,234	8,246	52	52	0	0
Vermont	6,921	6,570	5.4%	921	623	5,968	5,920	NM	3	NM	23
Middle Atlantic	427,868	424,451	0.8%	34,402	35,091	387,248	383,441	2,048	1,957	4,170	3,962
New Jersey	64,848	65,263	-0.6%	-118	-88	63,691	64,043	587	534	688	774
New York	135,337	135,768	-0.3%	33,405	34,142	99,895	99,621	1,107	1,061	930	945
Pennsylvania	227,683	223,420	1.9%	1,115	1,038	223,662	219,777	354	362	2,553	2,243
East North Central	620,527	613,916	1.1%	323,471	308,307	284,682	292,989	1,869	2,046	10,505	10,573
Illinois	202,891	197,565	2.7%	11,609	12,424	188,189	182,021	487	492	2,605	2,628
Indiana	110,378	114,696	-3.8%	96,077	99,681	10,920	11,522	222	232	3,159	3,261
Michigan	104,970	108,166	-3.0%	82,943	80,483	19,734	25,352	835	968	1,457	1,363
Ohio	136,702	129,746	5.4%	86,205	75,184	48,857	52,962	275	283	1,365	1,317
Wisconsin	65,587	63,743	2.9%	46,636	40,535	16,982	21,132	50	72	1,918	2,004
West North Central	331,910	327,475	1.4%	287,815	288,973	39,198	33,973	562	554	4,336	3,975
Iowa	56,876	56,675	0.4%	42,034	43,386	12,413	11,018	213	204	2,215	2,067
Kansas	48,645	44,425	9.5%	39,980	39,949	8,587	4,411	0	0	79	65
Minnesota	51,263	52,194	-1.8%	41,147	42,338	8,544	8,358	166	173	1,406	1,324
Missouri	92,211	91,804	0.4%	89,806	88,747	2,178	2,846	166	160	62	52
Nebraska	37,197	34,217	8.7%	35,186	32,783	1,583	1,072	17	18	411	345
North Dakota	35,361	36,125	-2.1%	31,383	31,983	3,815	4,019	NM	0	163	123
South Dakota	10,358	12,034	-13.9%	8,280	9,786	2,078	2,248	NM	0	0	0
South Atlantic	756,637	747,508	1.2%	618,484	603,305	118,416	124,669	950	701	18,787	18,833
Delaware	7,616	8,634	-11.8%	NM	12	6,643	7,846	NM	4	959	771
District of Columbia	60	72	-16.1%	0	0	0	9	60	62	0	0
Florida	219,725	221,096	-0.6%	200,686	198,199	13,751	17,418	67	65	5,221	5,414
Georgia	120,796	122,306	-1.2%	106,798	100,995	9,197	16,512	33	31	4,769	4,769
Maryland	35,487	37,810	-6.1%	20	9	34,870	37,021	265	235	332	545
North Carolina	124,922	116,682	7.1%	109,310	107,716	13,048	6,542	71	50	2,492	2,374
South Carolina	94,919	96,756	-1.9%	91,480	92,822	1,604	1,970	NM	0	1,834	1,964
Virginia	77,185	70,739	9.1%	63,864	56,188	10,860	12,309	448	253	2,014	1,989
West Virginia	75,927	73,413	3.4%	46,316	47,363	28,444	25,043	0	0	1,167	1,007
East South Central	371,903	375,137	-0.9%	322,541	313,555	38,198	51,152	198	186	10,964	10,244
Alabama	150,408	152,879	-1.6%	114,640	108,425	31,411	40,206	0	0	4,357	4,247
Kentucky	89,935	89,950	0.0%	89,261	89,156	210	326	0	0	463	468
Mississippi	52,890	54,584	-3.1%	43,502	41,077	6,475	10,505	NM	22	2,893	2,980
Tennessee	78,669	77,724	1.2%	75,138	74,897	102	114	178	164	3,251	2,548
West South Central	668,975	676,122	-1.1%	244,465	248,120	350,754	355,233	752	768	73,003	72,002
Arkansas	60,494	65,006	-6.9%	45,555	44,190	13,000	18,867	NM	6	1,933	1,942
Louisiana	101,379	103,408	-2.0%	49,723	52,048	22,097	23,325	43	45	29,515	27,990
Oklahoma	73,576	77,897	-5.5%	53,352	56,746	19,312	20,286	NM	10	897	855
Texas	433,526	429,813	0.9%	95,835	95,135	296,344	292,756	688	707	40,658	41,215
Mountain	374,593	367,566	1.9%	292,771	289,964	78,341	73,862	372	357	3,109	3,383
Arizona	110,127	110,905	-0.7%	91,289	92,800	18,713	17,791	124	121	0	193
Colorado	53,396	52,557	1.6%	40,759	41,539	12,534	10,920	37	25	66	72
Idaho	15,742	15,499	1.6%	10,183	10,633	5,045	4,274	0	0	514	592
Montana	27,573	27,805	-0.8%	7,502	8,486	20,061	19,310	0	0	10	9
Nevada	36,494	35,173	3.8%	25,081	24,186	11,071	10,631	96	92	247	264
New Mexico	36,042	36,636	-1.6%	30,031	30,705	5,930	5,850	78	81	NM	0
Utah	42,823	39,403	8.7%	39,788	36,386	1,878	1,957	37	38	1,119	1,022
Wyoming	52,395	49,589	5.7%	48,137	45,228	3,110	3,128	0	0	1,148	1,232
Pacific Contiguous	373,484	377,287	-1.0%	221,378	236,204	131,850	120,728	2,958	2,974	17,298	17,380
California	199,998	199,519	0.2%	78,568	82,486	103,305	98,738	2,894	2,894	15,232	15,400
Oregon	60,165	60,933	-1.3%	43,602	47,144	15,875	13,102	60	73	628	613
Washington	113,321	116,835	-3.0%	99,208	106,574	12,670	8,888	NM	7	1,438	1,366
Pacific Noncontiguous	16,017	17,416	-8.0%	11,080	12,375	4,048	3,949	526	579	363	513
Alaska	6,203	6,946	-10.7%	5,713	6,362	252	220	166	278	73	87
Hawaii	9,814	10,469	-6.3%	5,367	6,013	3,797	3,729	360	301	290	426
U.S. Total	4,058,209	4,047,765	0.3%	2,360,310	2,339,172	1,538,482	1,551,186	11,480	11,301	147,937	146,107

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 for 2013 are preliminary. Values for 2012 are final. 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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	1,177	705	66.8%	257	260	913	439	0	0	7	6
Connecticut	209	76	176.0%	0	0	209	76	0	0	0	0
Maine	9	6	67.5%	0	0	5	4	0	0	4	2
Massachusetts	701	364	92.7%	0	0	698	359	0	0	NM	5
New Hampshire	257	260	-1.1%	257	260	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	8,678	8,204	5.8%	NM	0	8,589	8,147	NM	1	85	55
New Jersey	168	103	63.5%	0	0	168	103	0	0	0	0
New York	571	417	36.9%	NM	0	540	394	0	0	28	24
Pennsylvania	7,939	7,683	3.3%	0	0	7,881	7,651	NM	1	57	32
East North Central	35,444	31,186	13.7%	25,880	22,853	9,263	8,049	16	24	285	260
Illinois	8,450	7,566	11.7%	1,022	1,003	7,269	6,410	5	6	154	147
Indiana	8,675	8,414	3.1%	8,136	7,941	524	457	10	12	NM	4
Michigan	5,081	4,710	7.9%	5,014	4,657	39	28	0	6	28	19
Ohio	9,069	7,713	17.6%	7,611	6,537	1,431	1,154	NM	0	26	22
Wisconsin	4,169	2,783	49.8%	4,097	2,715	0	0	NM	0	72	68
West North Central	19,950	20,298	-1.7%	19,613	19,984	0	0	22	21	315	294
Iowa	3,163	3,221	-1.8%	2,946	3,030	0	0	15	12	202	179
Kansas	2,562	2,571	-0.4%	2,562	2,571	0	0	0	0	0	0
Minnesota	2,489	2,534	-1.8%	2,426	2,463	0	0	0	0	63	71
Missouri	6,536	6,863	-4.8%	6,524	6,849	0	0	8	9	NM	5
Nebraska	2,462	2,366	4.1%	2,426	2,333	0	0	0	0	37	33
North Dakota	2,478	2,442	1.5%	2,469	2,435	0	0	0	0	NM	6
South Dakota	260	301	-13.6%	260	301	0	0	0	0	0	0
South Atlantic	22,905	20,693	10.7%	18,840	16,651	3,854	3,825	3	5	208	212
Delaware	124	95	30.2%	0	0	124	95	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,769	3,279	14.9%	3,692	3,255	58	0	0	0	NM	24
Georgia	3,792	2,189	73.2%	3,753	2,146	0	0	0	0	39	43
Maryland	1,384	1,258	10.0%	0	0	1,371	1,244	NM	0	11	14
North Carolina	3,374	3,860	-12.6%	3,204	3,683	144	147	2	4	NM	26
South Carolina	2,067	2,231	-7.4%	2,052	2,217	0	0	0	0	15	14
Virginia	2,034	1,169	74.0%	1,899	1,076	92	39	0	1	43	53
West Virginia	6,363	6,611	-3.8%	4,240	4,274	2,065	2,299	0	0	58	38
East South Central	14,026	15,161	-7.5%	13,639	14,723	266	324	NM	1	119	113
Alabama	3,716	3,852	-3.5%	3,697	3,831	0	5	0	0	19	17
Kentucky	7,633	7,320	4.3%	7,633	7,320	0	0	0	0	0	0
Mississippi	742	549	35.3%	476	229	266	319	0	0	0	0
Tennessee	1,935	3,440	-43.8%	1,833	3,342	0	0	NM	1	100	96
West South Central	21,357	18,787	13.7%	11,210	10,428	10,110	8,313	0	0	NM	45
Arkansas	3,036	2,659	14.2%	2,570	2,264	462	384	0	0	4	11
Louisiana	1,702	2,086	-18.4%	692	1,245	1,010	842	0	0	0	0
Oklahoma	2,822	2,424	16.4%	2,560	2,157	229	232	0	0	NM	34
Texas	13,797	11,617	18.8%	5,389	4,762	8,409	6,856	0	0	0	0
Mountain	17,287	17,845	-3.1%	15,862	16,108	1,379	1,683	0	0	47	54
Arizona	3,811	3,728	2.2%	3,811	3,728	0	0	0	0	0	0
Colorado	3,012	3,185	-5.4%	3,000	3,173	NM	10	0	0	NM	1
Idaho	NM	11	NM	0	0	0	0	0	0	NM	11
Montana	1,152	1,498	-23.1%	NM	25	1,126	1,472	0	0	NM	1
Nevada	506	445	13.7%	365	334	141	112	0	0	0	0
New Mexico	1,646	2,230	-26.2%	1,646	2,230	0	0	0	0	0	0
Utah	3,090	2,743	12.7%	3,052	2,704	NM	39	0	0	0	0
Wyoming	4,063	4,005	1.4%	3,963	3,914	NM	50	0	0	38	41
Pacific Contiguous	1,287	1,006	27.9%	402	344	852	630	0	0	34	33
California	42	82	-48.1%	0	0	NM	52	0	0	29	29
Oregon	402	344	16.9%	402	344	0	0	0	0	0	0
Washington	843	581	45.2%	0	0	838	578	0	0	5	3
Pacific Noncontiguous	193	194	-0.9%	18	19	148	144	24	25	NM	7
Alaska	61	61	-0.5%	18	19	19	18	24	25	0	0
Hawaii	131	133	-1.1%	0	0	129	126	0	0	NM	7
U.S. Total	142,304	134,079	6.1%	105,724	101,368	35,373	31,555	69	77	1,138	1,079

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

Table 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	6,261	4,103	52.6%	1,465	1,268	4,734	2,793	0	0	62	42
Connecticut	681	653	4.3%	0	0	681	653	0	0	0	0
Maine	63	45	38.7%	0	0	35	30	0	0	28	15
Massachusetts	4,052	2,137	89.6%	0	0	4,018	2,110	0	0	34	27
New Hampshire	1,465	1,268	15.6%	1,465	1,268	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	96,938	93,597	3.6%	NM	36	96,077	92,867	16	11	799	683
New Jersey	2,022	1,897	6.5%	0	0	2,022	1,897	0	0	0	0
New York	4,862	4,551	6.8%	NM	36	4,509	4,200	0	0	307	315
Pennsylvania	90,054	87,148	3.3%	0	0	89,546	86,769	16	11	492	368
East North Central	373,080	344,771	8.2%	272,425	250,318	97,245	91,071	282	308	3,128	3,075
Illinois	87,989	80,827	8.9%	10,918	10,887	75,285	68,154	53	52	1,733	1,734
Indiana	92,832	92,461	0.4%	87,331	86,532	5,322	5,747	127	133	53	49
Michigan	56,685	53,136	6.7%	55,970	52,471	357	343	94	118	265	204
Ohio	94,800	85,589	10.8%	78,258	68,519	16,282	16,827	NM	2	256	240
Wisconsin	40,775	32,758	24.5%	39,948	31,909	0	0	NM	2	821	848
West North Central	220,871	214,964	2.7%	217,203	211,689	0	0	268	228	3,400	3,048
Iowa	33,662	35,331	-4.7%	31,320	33,179	0	0	172	159	2,170	1,993
Kansas	29,767	27,983	6.4%	29,767	27,983	0	0	0	0	0	0
Minnesota	23,339	22,723	2.7%	22,654	22,107	0	0	0	0	685	616
Missouri	76,497	72,775	5.1%	76,345	72,661	0	0	95	68	58	46
Nebraska	26,828	25,019	7.2%	26,433	24,686	0	0	0	0	395	334
North Dakota	27,817	28,214	-1.4%	27,725	28,155	0	0	0	0	92	60
South Dakota	2,959	2,919	1.4%	2,959	2,919	0	0	0	0	0	0
South Atlantic	268,911	266,385	0.9%	219,120	219,174	47,496	44,770	54	48	2,242	2,393
Delaware	1,591	1,423	11.8%	0	0	1,591	1,423	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	46,432	44,286	4.8%	44,807	42,603	1,400	1,451	0	0	225	233
Georgia	40,239	40,715	-1.2%	39,769	40,197	0	0	0	0	470	518
Maryland	15,549	16,185	-3.9%	0	0	15,394	16,005	15	10	140	169
North Carolina	46,984	50,932	-7.8%	44,974	48,888	1,732	1,745	30	29	249	270
South Carolina	24,405	28,396	-14.1%	24,248	28,208	0	26	0	0	157	161
Virginia	21,363	14,181	50.6%	19,737	12,573	1,074	970	NM	9	543	628
West Virginia	72,348	70,267	3.0%	45,585	46,704	26,304	23,150	0	0	458	413
East South Central	171,639	171,000	0.4%	167,275	166,844	2,925	2,789	24	20	1,415	1,347
Alabama	47,048	45,607	3.2%	46,840	45,378	0	32	0	0	208	197
Kentucky	83,352	82,762	0.7%	83,352	82,762	0	0	0	0	0	0
Mississippi	8,701	7,212	20.7%	5,777	4,455	2,925	2,757	0	0	0	0
Tennessee	32,538	35,419	-8.1%	31,306	34,249	0	0	24	20	1,207	1,150
West South Central	232,189	217,243	6.9%	124,738	119,496	106,932	97,271	0	0	520	476
Arkansas	31,889	28,431	12.2%	27,822	23,979	3,981	4,353	0	0	86	99
Louisiana	20,849	21,422	-2.7%	9,843	11,163	11,001	10,258	0	0	NM	0
Oklahoma	30,046	29,302	2.5%	27,746	27,142	1,873	1,783	0	0	428	377
Texas	149,404	138,088	8.2%	59,327	57,211	90,077	80,877	0	0	0	0
Mountain	202,575	191,985	5.5%	184,446	174,807	17,102	16,083	0	0	1,026	1,095
Arizona	43,493	40,116	8.4%	43,493	39,930	0	0	0	0	0	185
Colorado	33,982	34,521	-1.6%	33,840	34,371	134	142	0	0	NM	8
Idaho	78	77	1.5%	0	0	0	0	0	0	78	77
Montana	14,708	13,987	5.2%	274	253	14,423	13,726	0	0	10	9
Nevada	5,255	4,079	28.8%	3,863	2,964	1,391	1,115	0	0	0	0
New Mexico	24,145	24,994	-3.4%	24,145	24,994	0	0	0	0	0	0
Utah	34,504	30,799	12.0%	33,532	29,976	445	418	0	0	528	405
Wyoming	46,411	43,412	6.9%	45,298	42,317	709	684	0	0	403	411
Pacific Contiguous	11,593	7,772	49.2%	3,759	2,634	7,443	4,733	0	0	391	405
California	1,094	1,375	-20.5%	0	0	740	1,005	0	0	354	371
Oregon	3,759	2,634	42.7%	3,759	2,634	0	0	0	0	0	0
Washington	6,740	3,763	79.1%	0	0	6,704	3,728	0	0	37	35
Pacific Noncontiguous	1,941	2,222	-12.6%	191	215	1,558	1,699	156	268	37	40
Alaska	547	685	-20.1%	191	215	200	201	156	268	0	0
Hawaii	1,394	1,537	-9.3%	0	0	1,357	1,498	0	0	37	40
U.S. Total	1,585,998	1,514,043	4.8%	1,190,669	1,146,480	381,510	354,076	799	883	13,020	12,603

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	308	12	NM	21	1	270	5	NM	3	NM	2
Connecticut	86	2	NM	NM	0	85	1	NM	0	NM	0
Maine	48	3	NM	NM	0	46	3	NM	0	NM	0
Massachusetts	125	6	NM	11	0	NM	1	NM	3	NM	2
New Hampshire	38	0	NM	9	0	26	0	NM	0	NM	0
Rhode Island	NM	1	NM	0	0	8	0	NM	0	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	NM	40	NM	31	4	61	27	NM	2	NM	7
New Jersey	NM	0	NM	NM	0	NM	0	NM	0	NM	0
New York	NM	19	NM	31	4	NM	7	NM	2	NM	7
Pennsylvania	NM	20	NM	NM	0	NM	20	NM	0	NM	0
East North Central	51	56	-8.7%	44	48	NM	7	NM	0	NM	1
Illinois	4	5	-11.5%	3	2	2	3	NM	0	NM	0
Indiana	14	9	64.4%	14	8	NM	0	NM	0	1	1
Michigan	13	9	52.1%	13	9	0	0	0	0	NM	0
Ohio	16	32	-48.3%	13	28	3	4	NM	0	NM	0
Wisconsin	NM	1	NM	NM	1	NM	0	NM	0	NM	0
West North Central	46	23	100.1%	43	22	2	0	NM	0	NM	0
Iowa	14	8	78.1%	14	8	NM	0	NM	0	NM	0
Kansas	9	3	165.2%	9	3	0	0	0	0	0	0
Minnesota	8	1	NM	6	0	2	0	NM	0	NM	0
Missouri	NM	8	NM	NM	8	0	0	NM	0	0	0
Nebraska	2	1	331.3%	2	1	0	0	0	0	0	0
North Dakota	4	1	162.6%	3	1	0	0	NM	0	NM	0
South Dakota	NM	0	NM	NM	0	NM	0	NM	0	0	0
South Atlantic	145	49	195.2%	86	30	45	8	NM	2	NM	9
Delaware	1	1	10.6%	0	0	1	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	51	18	176.5%	48	16	NM	0	0	0	NM	2
Georgia	-1	-15	-95.5%	-4	-18	NM	0	NM	0	NM	2
Maryland	45	7	583.2%	NM	0	40	5	NM	2	0	0
North Carolina	18	9	89.3%	17	8	NM	0	NM	0	NM	1
South Carolina	5	6	-12.2%	4	5	0	0	NM	0	1	1
Virginia	9	10	-9.7%	6	6	3	1	NM	0	NM	3
West Virginia	16	12	28.3%	14	12	1	0	0	0	0	0
East South Central	48	34	42.4%	44	30	NM	0	NM	0	NM	4
Alabama	NM	12	NM	4	8	NM	0	0	0	NM	4
Kentucky	16	10	63.8%	16	10	0	0	0	0	0	0
Mississippi	1	1	116.6%	1	0	0	0	0	0	0	0
Tennessee	23	11	109.5%	23	11	0	0	NM	0	NM	0
West South Central	26	19	39.0%	8	6	16	11	NM	0	NM	1
Arkansas	5	4	32.9%	4	2	0	2	0	0	0	0
Louisiana	4	8	-44.3%	1	2	3	4	0	0	1	1
Oklahoma	2	1	219.8%	2	1	0	0	0	0	0	0
Texas	15	7	121.7%	1	1	13	5	NM	0	NM	0
Mountain	18	21	-12.0%	17	19	NM	2	NM	0	NM	0
Arizona	2	2	13.6%	2	2	0	0	NM	0	0	0
Colorado	NM	2	NM	NM	2	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	NM	1	NM	NM	0	1	1	0	0	0	0
Nevada	2	2	-22.2%	2	2	0	1	0	0	0	0
New Mexico	7	7	10.3%	7	6	NM	0	0	0	NM	0
Utah	1	4	-61.6%	1	3	NM	0	0	0	NM	0
Wyoming	4	4	2.5%	4	4	0	0	0	0	NM	0
Pacific Contiguous	NM	13	NM	NM	4	1	2	NM	6	NM	1
California	NM	9	NM	2	2	1	1	NM	6	1	0
Oregon	0	1	-45.7%	0	1	0	0	0	0	0	0
Washington	NM	2	NM	NM	0	0	1	NM	0	NM	1
Pacific Noncontiguous	661	971	-31.9%	507	592	NM	353	NM	2	NM	25
Alaska	70	111	-36.6%	68	104	0	0	NM	2	1	5
Hawaii	591	860	-31.3%	439	488	NM	353	0	0	NM	20
U.S. Total	1,421	1,235	15.0%	806	755	543	415	NM	15	43	51

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	1,072	413	159.6%	150	52	801	267	86	49	36	45
Connecticut	309	112	176.1%	4	4	299	104	NM	0	NM	4
Maine	223	84	166.1%	NM	0	204	65	NM	2	15	16
Massachusetts	379	174	117.5%	70	15	244	98	51	37	15	25
New Hampshire	111	22	411.4%	62	20	28	0	NM	2	NM	0
Rhode Island	45	18	151.7%	10	11	26	0	NM	7	0	0
Vermont	NM	3	NM	4	2	0	0	NM	1	0	0
Middle Atlantic	1,359	859	58.3%	469	324	789	438	NM	24	79	73
New Jersey	100	30	227.8%	NM	4	93	24	NM	1	NM	2
New York	946	580	63.1%	465	319	389	169	NM	22	71	70
Pennsylvania	314	248	26.4%	NM	0	307	245	NM	2	NM	2
East North Central	605	621	-2.6%	487	516	101	90	NM	3	15	13
Illinois	76	71	6.3%	29	24	47	47	NM	0	NM	0
Indiana	139	114	21.8%	131	108	NM	0	NM	0	8	6
Michigan	139	138	0.6%	135	134	0	0	2	2	3	3
Ohio	220	258	-14.9%	165	215	52	41	NM	0	NM	2
Wisconsin	31	39	-21.1%	27	35	2	2	NM	0	NM	1
West North Central	301	292	2.8%	292	282	4	7	NM	1	3	3
Iowa	77	89	-14.0%	75	87	1	2	NM	0	NM	0
Kansas	58	35	69.2%	58	35	0	0	0	0	0	0
Minnesota	28	30	-5.6%	23	23	2	4	NM	1	NM	1
Missouri	70	78	-10.0%	70	78	0	0	NM	0	0	0
Nebraska	25	23	10.6%	25	23	0	0	0	0	0	0
North Dakota	34	33	2.6%	33	32	0	0	NM	0	NM	1
South Dakota	9	6	51.5%	8	5	NM	1	NM	0	0	0
South Atlantic	1,595	1,756	-9.2%	1,182	1,340	254	257	NM	19	129	141
Delaware	24	22	9.6%	NM	1	23	21	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	525	720	-27.1%	484	670	NM	9	0	0	37	41
Georgia	69	73	-5.6%	20	27	NM	2	1	1	47	43
Maryland	187	137	36.2%	8	6	150	108	NM	16	1	8
North Carolina	219	178	22.6%	200	160	9	6	NM	0	10	12
South Carolina	105	108	-2.8%	96	99	0	2	NM	0	9	8
Virginia	315	364	-13.3%	226	234	64	100	1	1	25	29
West Virginia	150	143	4.4%	147	143	3	1	0	0	0	0
East South Central	369	378	-2.3%	320	339	1	1	NM	0	48	38
Alabama	102	110	-6.8%	58	74	1	1	0	0	44	34
Kentucky	123	107	14.6%	123	107	0	0	0	0	0	0
Mississippi	14	17	-15.2%	11	13	0	0	0	0	3	4
Tennessee	130	144	-10.0%	129	144	0	0	NM	0	NM	0
West South Central	201	173	16.1%	75	66	107	94	NM	1	19	12
Arkansas	43	33	33.3%	27	18	15	13	0	0	1	1
Louisiana	54	38	43.1%	11	10	27	19	0	0	16	9
Oklahoma	10	11	-4.9%	10	11	0	0	NM	0	NM	0
Texas	93	91	1.4%	26	27	65	62	NM	1	NM	2
Mountain	-6	222	-102.6%	-28	197	17	20	NM	0	4	6
Arizona	-178	42	-524.0%	-178	41	0	0	NM	0	0	1
Colorado	10	11	-13.1%	9	11	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	12	13	-4.0%	NM	0	12	13	0	0	0	0
Nevada	19	19	0.3%	15	13	4	6	0	0	0	0
New Mexico	54	46	16.0%	53	46	NM	1	0	0	NM	0
Utah	34	40	-14.3%	33	39	NM	1	0	0	NM	0
Wyoming	43	52	-16.4%	39	48	0	0	0	0	4	4
Pacific Contiguous	NM	167	NM	41	45	13	21	NM	86	21	14
California	NM	134	NM	32	34	5	13	NM	86	8	2
Oregon	6	6	-4.0%	6	6	0	0	0	0	0	0
Washington	25	27	-7.2%	NM	5	9	9	NM	0	13	13
Pacific Noncontiguous	7,750	8,521	-9.0%	6,035	6,732	1,608	1,561	9	8	98	219
Alaska	767	1,038	-26.1%	722	986	0	0	7	7	38	45
Hawaii	6,983	7,483	-6.7%	5,313	5,746	1,608	1,561	2	1	60	174
U.S. Total	13,410	13,403	0.1%	9,022	9,892	3,696	2,757	NM	191	450	563

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 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	20	8	135.3%	0	0	0	0	0	0	20	8
New Jersey	NM	4	NM	0	0	0	0	0	0	NM	4
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	16	5	227.8%	0	0	0	0	0	0	16	5
East North Central	403	114	252.9%	269	0	106	86	0	0	28	27
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	180	0	NM	180	0	0	0	0	0	0	0
Michigan	96	13	648.7%	78	0	7	6	0	0	10	6
Ohio	100	80	24.4%	0	0	99	80	0	0	NM	0
Wisconsin	27	21	27.3%	10	0	0	0	0	0	17	21
West North Central	1	1	16.1%	0	0	0	0	1	1	0	0
Iowa	1	1	8.4%	0	0	0	0	1	1	0	0
Kansas	0	0	-100.0%	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	88	26	236.4%	71	5	0	0	0	0	17	21
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	71	5	NM	71	5	0	0	0	0	0	0
Georgia	17	21	-21.4%	0	0	0	0	0	0	17	21
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	111	147	-24.4%	111	147	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	111	147	-24.4%	111	147	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	339	456	-25.6%	292	281	3	0	0	0	45	175
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	320	310	3.5%	292	281	0	0	0	0	29	29
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	19	147	-87.0%	0	0	3	0	0	0	16	147
Mountain	42	42	-0.8%	0	0	42	42	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	42	42	-0.8%	0	0	42	42	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	1,005	800	25.6%	743	434	152	133	1	1	109	233

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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 December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 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	279	76	268.6%	0	0	0	0	0	0	279	76
New Jersey	NM	40	NM	0	0	0	0	0	0	NM	40
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	205	35	481.1%	0	0	0	0	0	0	205	35
East North Central	3,280	2,320	41.4%	1,692	887	1,210	1,093	0	0	378	340
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1,433	831	72.4%	1,433	831	0	0	0	0	0	0
Michigan	415	187	122.1%	198	0	70	73	0	0	146	114
Ohio	1,158	1,023	13.2%	0	0	1,140	1,020	0	0	NM	3
Wisconsin	274	279	-1.6%	61	55	0	0	0	0	214	223
West North Central	5	17	-68.9%	0	12	0	0	5	6	0	0
Iowa	5	18	-69.1%	0	12	0	0	5	6	0	0
Kansas	0	0	-100.0%	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	2,270	950	138.9%	2,063	646	0	0	0	0	207	305
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	2,063	646	219.4%	2,063	646	0	0	0	0	0	0
Georgia	207	305	-31.9%	0	0	0	0	0	0	207	305
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	1,302	1,429	-8.9%	1,302	1,429	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1,302	1,429	-8.9%	1,302	1,429	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	5,773	4,385	31.7%	4,465	2,691	101	55	0	0	1,207	1,639
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	4,903	2,992	63.9%	4,465	2,691	0	0	0	0	438	301
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	871	1,393	-37.5%	0	0	101	55	0	0	769	1,337
Mountain	448	454	-1.4%	0	0	448	454	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	448	454	-1.4%	0	0	448	454	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	95	156	-39.0%	0	0	95	156	0	0	0	0
California	95	156	-39.0%	0	0	95	156	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	13,453	9,787	37.5%	9,522	5,664	1,855	1,758	5	6	2,071	2,359

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	3,172	3,893	-18.5%	10	9	2,874	3,596	81	76	207	212
Connecticut	1,147	1,390	-17.5%	2	0	1,092	1,323	NM	35	NM	32
Maine	504	385	31.0%	0	0	329	216	NM	2	173	167
Massachusetts	919	1,155	-20.4%	8	8	858	1,101	42	35	NM	10
New Hampshire	328	475	-30.9%	0	0	324	472	NM	1	NM	2
Rhode Island	274	488	-43.8%	0	0	271	484	NM	3	0	0
Vermont	0	0	1.3%	0	0	0	0	0	0	0	0
Middle Atlantic	10,609	9,939	6.7%	1,058	1,069	9,352	8,674	78	79	121	117
New Jersey	2,200	1,426	54.3%	0	3	2,145	1,377	NM	10	NM	36
New York	4,340	4,301	0.9%	1,058	1,066	3,206	3,154	53	60	NM	21
Pennsylvania	4,069	4,213	-3.4%	0	0	4,001	4,143	NM	9	NM	61
East North Central	4,361	4,124	5.7%	1,615	1,621	2,523	2,350	122	82	101	71
Illinois	338	320	5.5%	20	9	254	267	42	33	NM	11
Indiana	711	822	-13.4%	529	610	147	181	NM	5	32	26
Michigan	988	626	57.9%	208	113	711	460	NM	37	NM	15
Ohio	1,763	1,704	3.5%	554	507	1,177	1,187	NM	4	NM	5
Wisconsin	560	653	-14.2%	304	382	234	255	NM	3	NM	13
West North Central	1,406	1,020	37.8%	1,252	930	120	70	NM	8	NM	12
Iowa	78	123	-36.9%	73	119	NM	0	NM	0	NM	3
Kansas	119	49	143.0%	116	48	0	0	0	0	NM	1
Minnesota	633	608	4.1%	513	545	99	48	NM	8	NM	7
Missouri	401	220	82.4%	378	198	21	22	2	0	NM	0
Nebraska	NM	3	NM	NM	3	0	0	NM	0	NM	0
North Dakota	NM	1	NM	NM	0	0	0	0	0	NM	1
South Dakota	140	17	712.5%	140	17	0	0	0	0	0	0
South Atlantic	18,288	20,016	-8.6%	15,084	15,543	2,876	4,159	NM	13	305	301
Delaware	385	494	-22.1%	0	1	328	441	0	0	56	52
District of Columbia	NM	5	NM	0	0	0	0	NM	5	0	0
Florida	9,661	11,156	-13.4%	9,199	9,538	341	1,497	NM	2	119	119
Georgia	2,737	3,736	-26.8%	2,422	2,529	242	1,114	0	0	73	94
Maryland	242	125	93.4%	0	0	220	115	NM	5	NM	6
North Carolina	2,735	1,628	68.0%	1,858	1,352	868	268	0	1	9	7
South Carolina	739	1,003	-26.3%	687	939	43	57	0	0	10	6
Virginia	1,770	1,864	-5.0%	916	1,184	824	663	0	0	31	17
West Virginia	14	5	188.6%	3	0	11	5	0	0	NM	0
East South Central	6,707	7,691	-12.8%	4,015	4,332	2,436	3,136	NM	14	240	210
Alabama	3,769	4,352	-13.4%	1,347	1,418	2,338	2,850	0	0	84	84
Kentucky	70	55	27.8%	43	50	4	0	0	0	NM	5
Mississippi	2,567	2,582	-0.6%	2,341	2,177	94	285	NM	1	129	118
Tennessee	301	703	-57.2%	283	687	0	0	NM	12	4	3
West South Central	24,910	21,550	15.6%	6,261	5,147	12,977	10,871	50	49	5,621	5,483
Arkansas	870	772	12.6%	198	134	640	618	NM	0	32	20
Louisiana	4,796	4,642	3.3%	1,564	1,700	1,005	751	NM	4	2,223	2,187
Oklahoma	2,644	1,836	44.0%	1,913	1,446	721	382	0	0	NM	7
Texas	16,600	14,301	16.1%	2,586	1,866	10,612	9,120	46	46	3,356	3,269
Mountain	7,476	5,022	48.9%	4,226	3,256	3,106	1,638	26	17	118	111
Arizona	2,340	910	157.3%	808	450	1,522	456	NM	3	0	0
Colorado	1,057	690	53.2%	569	376	485	314	1	0	NM	1
Idaho	445	95	369.4%	246	22	192	66	0	0	NM	7
Montana	NM	27	NM	NM	26	NM	1	0	0	0	0
Nevada	2,069	2,134	-3.1%	1,527	1,572	511	535	NM	5	26	22
New Mexico	777	621	25.1%	454	377	317	239	NM	5	0	0
Utah	685	493	38.9%	571	430	72	26	NM	3	38	34
Wyoming	NM	52	NM	NM	3	NM	2	0	0	47	48
Pacific Contiguous	14,531	10,447	39.1%	5,005	3,349	8,232	5,900	155	145	1,138	1,054
California	11,384	9,318	22.2%	3,137	2,933	6,975	5,216	151	137	1,121	1,032
Oregon	1,772	804	120.5%	734	163	1,023	618	NM	8	NM	14
Washington	1,375	326	322.3%	1,134	253	233	65	NM	0	6	7
Pacific Noncontiguous	319	286	11.5%	315	283	0	0	NM	0	NM	3
Alaska	319	286	11.5%	315	283	0	0	NM	0	NM	3
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	91,777	83,989	9.3%	38,841	35,539	44,496	40,394	566	483	7,873	7,573

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

Table 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	51,951	62,490	-16.9%	240	345	48,419	58,757	896	901	2,397	2,488
Connecticut	15,576	16,537	-5.8%	9	6	14,898	15,801	365	397	305	333
Maine	4,858	6,044	-19.6%	0	0	2,905	4,057	NM	26	1,928	1,960
Massachusetts	21,271	24,672	-13.8%	204	278	20,484	23,812	446	416	137	166
New Hampshire	4,099	7,050	-41.9%	25	58	4,030	6,947	NM	16	NM	29
Rhode Island	6,144	8,185	-24.9%	0	0	6,102	8,140	42	45	0	0
Vermont	3	3	19.3%	3	3	0	0	0	0	0	0
Middle Atlantic	129,358	140,809	-8.1%	12,839	13,508	114,247	124,893	896	909	1,376	1,500
New Jersey	27,184	28,285	-3.9%	NM	33	26,543	27,578	186	192	432	481
New York	53,125	59,462	-10.7%	12,815	13,472	39,467	45,132	605	605	239	253
Pennsylvania	49,049	53,062	-7.6%	NM	3	48,238	52,182	105	112	705	765
East North Central	57,635	81,616	-29.4%	21,191	29,266	34,104	49,915	1,227	1,292	1,113	1,143
Illinois	6,661	11,189	-40.5%	588	1,450	5,347	8,993	430	437	296	309
Indiana	8,936	14,471	-38.2%	6,392	11,432	2,105	2,565	52	56	387	417
Michigan	12,775	21,748	-41.3%	2,731	4,401	9,371	16,697	448	468	225	183
Ohio	20,998	22,665	-7.4%	7,225	6,015	13,413	16,270	267	280	94	100
Wisconsin	8,264	11,542	-28.4%	4,256	5,968	3,868	5,390	NM	51	112	134
West North Central	15,710	19,062	-17.6%	13,272	15,878	2,030	2,737	164	208	244	239
Iowa	1,413	1,941	-27.2%	1,381	1,868	NM	0	NM	11	NM	62
Kansas	2,147	2,860	-24.9%	2,069	2,795	0	0	0	0	79	65
Minnesota	6,462	7,088	-8.8%	5,227	5,746	1,041	1,157	90	105	103	79
Missouri	4,512	6,167	-26.8%	3,457	4,495	989	1,580	65	91	NM	1
Nebraska	529	770	-31.3%	512	758	0	0	NM	1	NM	11
North Dakota	NM	22	NM	NM	0	0	0	0	0	NM	22
South Dakota	625	214	192.0%	625	214	0	0	0	0	0	0
South Atlantic	248,668	262,975	-5.4%	200,162	204,630	44,668	54,865	271	269	3,567	3,212
Delaware	5,724	6,815	-16.0%	NM	9	4,915	6,277	0	0	803	528
District of Columbia	60	62	-3.5%	0	0	0	0	60	62	0	0
Florida	136,499	149,700	-8.8%	126,343	136,017	8,734	12,279	31	28	1,392	1,376
Georgia	40,654	42,539	-4.4%	31,117	25,455	8,689	16,285	0	0	848	799
Maryland	2,718	4,945	-45.0%	0	0	2,479	4,658	175	172	65	114
North Carolina	27,942	19,302	44.8%	18,345	15,966	9,479	3,258	4	6	113	72
South Carolina	12,136	14,332	-15.3%	10,531	12,441	1,513	1,801	NM	0	91	91
Virginia	22,654	25,038	-9.5%	13,780	14,709	8,632	10,112	0	0	241	217
West Virginia	281	243	15.7%	41	33	227	194	0	0	NM	15
East South Central	84,412	105,279	-19.8%	46,678	54,302	34,964	48,046	171	163	2,599	2,768
Alabama	46,440	55,705	-16.6%	14,278	14,696	31,212	39,983	0	0	950	1,026
Kentucky	1,456	2,949	-50.6%	1,025	2,401	201	317	0	0	230	231
Mississippi	31,800	38,550	-17.5%	26,849	29,313	3,550	7,746	NM	22	1,380	1,470
Tennessee	4,715	8,075	-41.6%	4,526	7,892	0	0	151	142	39	41
West South Central	297,833	328,607	-9.4%	78,462	89,027	156,218	177,322	708	726	62,444	61,532
Arkansas	12,202	17,117	-28.7%	3,078	2,502	8,857	14,392	NM	1	266	222
Louisiana	52,440	58,564	-10.5%	18,449	22,525	9,314	12,042	43	45	24,633	23,952
Oklahoma	30,229	39,024	-22.5%	21,918	26,971	8,189	11,939	NM	10	107	105
Texas	202,962	213,901	-5.1%	35,017	37,029	129,857	138,948	650	671	37,438	37,253
Mountain	82,119	84,720	-3.1%	47,846	50,390	32,793	32,753	282	293	1,198	1,284
Arizona	26,748	30,295	-11.7%	10,307	13,911	16,337	16,265	104	113	0	7
Colorado	10,704	10,524	1.7%	5,959	5,898	4,724	4,607	7	4	14	16
Idaho	3,389	1,898	78.6%	1,620	558	1,723	1,291	0	0	46	49
Montana	459	464	-1.2%	427	439	NM	25	0	0	0	0
Nevada	24,707	25,647	-3.7%	18,559	18,798	5,844	6,527	60	60	244	262
New Mexico	9,041	8,799	2.8%	5,581	5,394	3,383	3,327	74	78	NM	0
Utah	6,542	6,580	-0.6%	5,345	5,363	729	695	37	38	431	484
Wyoming	528	513	3.0%	NM	30	NM	16	0	0	460	467
Pacific Contiguous	142,663	136,731	4.3%	49,234	44,048	79,312	78,546	1,733	1,839	12,383	12,298
California	117,407	119,668	-1.9%	34,720	35,717	68,786	70,066	1,693	1,782	12,208	12,104
Oregon	14,372	11,625	23.6%	5,171	4,025	9,058	7,416	NM	51	106	133
Washington	10,884	5,438	100.2%	9,342	4,307	1,468	1,064	NM	7	70	61
Pacific Noncontiguous	3,317	3,606	-8.0%	3,283	3,566	0	0	NM	3	NM	37
Alaska	3,317	3,606	-8.0%	3,283	3,566	0	0	NM	3	NM	37
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,113,665	1,225,894	-9.2%	473,207	504,958	546,755	627,833	6,351	6,603	87,352	86,500

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 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	76	63	21.0%	0	0	0	0	0	0	76	63
New Jersey	NM	13	NM	0	0	0	0	0	0	NM	13
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	59	50	18.0%	0	0	0	0	0	0	59	50
East North Central	403	348	15.7%	7	0	94	58	0	0	301	290
Illinois	31	29	8.2%	0	0	0	0	0	0	31	28
Indiana	205	207	-0.7%	0	0	0	0	0	0	205	207
Michigan	69	28	143.0%	7	0	62	28	0	0	0	0
Ohio	97	84	15.5%	0	0	33	30	0	0	65	55
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	1	NM	0	0	0	0	0	0	NM	1
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	1	NM	0	0	0	0	0	0	NM	1
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18	10	74.0%	0	0	0	0	0	0	18	10
Delaware	14	7	101.3%	0	0	0	0	0	0	14	7
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	55.4%	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	3	3	7.2%	0	0	0	0	0	0	3	3
East South Central	NM	4	NM	0	0	0	0	0	0	NM	4
Alabama	NM	3	NM	0	0	0	0	0	0	NM	3
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	-3.7%	0	0	0	0	0	0	1	1
West South Central	365	395	-7.6%	0	0	182	163	0	0	183	232
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	178	160	11.7%	0	0	74	22	0	0	105	138
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	187	235	-20.7%	0	0	109	141	0	0	78	94
Mountain	34	30	12.1%	0	0	1	1	0	0	33	30
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	3.7%	0	0	0	0	0	0	0	0
Nevada	1	1	-19.9%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	NM	0	0	0	0	0	0	NM	0
Wyoming	33	29	13.4%	0	0	0	0	0	0	33	29
Pacific Contiguous	140	107	30.3%	0	0	41	31	0	0	99	76
California	99	76	30.2%	0	0	0	0	0	0	99	76
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	41	31	30.6%	0	0	41	31	0	0	0	0
Pacific Noncontiguous	NM	4	NM	0	0	0	0	0	0	NM	4
Alaska	NM	0	NM	0	0	0	0	0	0	NM	0
Hawaii	NM	4	NM	0	0	0	0	0	0	NM	4
U.S. Total	1,048	963	8.9%	7	0	318	253	0	0	722	709

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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 December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 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	852	740	15.1%	0	0	0	0	0	0	852	740
New Jersey	177	142	24.5%	0	0	0	0	0	0	177	142
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	675	598	12.9%	0	0	0	0	0	0	675	598
East North Central	4,162	4,059	2.5%	68	0	753	673	0	0	3,340	3,386
Illinois	333	294	13.3%	0	0	17	8	0	0	316	286
Indiana	2,367	2,491	-5.0%	0	0	0	0	0	0	2,367	2,491
Michigan	476	315	51.1%	68	0	407	315	0	0	0	0
Ohio	986	959	2.8%	0	0	329	350	0	0	657	609
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	43	35	22.8%	0	0	0	0	0	0	43	35
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	43	35	22.8%	0	0	0	0	0	0	43	35
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	190	394	-51.7%	0	0	0	0	0	0	190	394
Delaware	155	244	-36.2%	0	0	0	0	0	0	155	244
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5	6	-22.8%	0	0	0	0	0	0	5	6
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	30	32	-5.3%	0	0	0	0	0	0	30	32
East South Central	115	191	-39.8%	0	0	0	0	0	0	115	191
Alabama	102	178	-42.4%	0	0	0	0	0	0	102	178
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	13	13	-5.3%	0	0	0	0	0	0	13	13
West South Central	4,624	4,246	8.9%	0	0	2,107	1,899	0	0	2,517	2,348
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,130	1,247	70.8%	0	0	650	266	0	0	1,481	982
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,493	2,999	-16.9%	0	0	1,457	1,633	0	0	1,036	1,366
Mountain	293	294	-0.4%	0	0	6	7	0	0	286	286
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	17.1%	0	0	0	0	0	0	0	0
Nevada	6	7	-13.9%	0	0	6	7	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	4	NM	0	0	0	0	0	0	NM	4
Wyoming	282	282	-0.3%	0	0	0	0	0	0	282	282
Pacific Contiguous	1,944	1,890	2.9%	0	0	410	405	0	0	1,535	1,484
California	1,535	1,484	3.4%	0	0	0	0	0	0	1,535	1,484
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	410	405	1.1%	0	0	410	405	0	0	0	0
Pacific Noncontiguous	48	50	-3.2%	0	0	0	0	0	0	48	50
Alaska	NM	3	NM	0	0	0	0	0	0	NM	3
Hawaii	46	47	-3.1%	0	0	0	0	0	0	46	47
U.S. Total	12,271	11,898	3.1%	68	0	3,276	2,984	0	0	8,926	8,913

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	3,399	3,449	-1.4%	0	0	3,399	3,449	0	0	0	0
Connecticut	1,565	1,569	-0.2%	0	0	1,565	1,569	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	441	507	-13.0%	0	0	441	507	0	0	0	0
New Hampshire	928	916	1.3%	0	0	928	916	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	464	457	1.6%	0	0	464	457	0	0	0	0
Middle Atlantic	13,945	13,837	0.8%	0	0	13,945	13,837	0	0	0	0
New Jersey	2,759	3,038	-9.2%	0	0	2,759	3,038	0	0	0	0
New York	3,765	3,875	-2.9%	0	0	3,765	3,875	0	0	0	0
Pennsylvania	7,420	6,923	7.2%	0	0	7,420	6,923	0	0	0	0
East North Central	14,115	13,788	2.4%	2,451	1,626	11,664	12,162	0	0	0	0
Illinois	8,557	8,650	-1.1%	0	0	8,557	8,650	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3,059	2,231	37.1%	2,451	1,626	608	605	0	0	0	0
Ohio	1,627	1,604	1.4%	0	0	1,627	1,604	0	0	0	0
Wisconsin	872	1,303	-33.1%	0	0	872	1,303	0	0	0	0
West North Central	3,796	3,537	7.3%	3,339	3,199	457	337	0	0	0	0
Iowa	457	337	35.5%	0	0	457	337	0	0	0	0
Kansas	904	903	0.1%	904	903	0	0	0	0	0	0
Minnesota	831	832	-0.1%	831	832	0	0	0	0	0	0
Missouri	924	920	0.4%	924	920	0	0	0	0	0	0
Nebraska	680	544	25.1%	680	544	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18,092	16,785	7.8%	16,763	15,488	1,329	1,297	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	2,524	1,993	26.6%	2,524	1,993	0	0	0	0	0	0
Georgia	3,060	3,092	-1.0%	3,060	3,092	0	0	0	0	0	0
Maryland	1,329	1,297	2.5%	0	0	1,329	1,297	0	0	0	0
North Carolina	3,550	3,723	-4.6%	3,550	3,723	0	0	0	0	0	0
South Carolina	4,866	4,001	21.6%	4,866	4,001	0	0	0	0	0	0
Virginia	2,763	2,678	3.2%	2,763	2,678	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,368	5,922	24.4%	7,368	5,922	0	0	0	0	0	0
Alabama	3,735	3,556	5.0%	3,735	3,556	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,053	671	57.0%	1,053	671	0	0	0	0	0	0
Tennessee	2,580	1,695	52.2%	2,580	1,695	0	0	0	0	0	0
West South Central	5,525	5,937	-6.9%	2,437	2,091	3,088	3,846	0	0	0	0
Arkansas	837	1,389	-39.7%	837	1,389	0	0	0	0	0	0
Louisiana	1,599	702	127.7%	1,599	702	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,088	3,846	-19.7%	0	0	3,088	3,846	0	0	0	0
Mountain	2,537	2,970	-14.6%	2,537	2,970	0	0	0	0	0	0
Arizona	2,537	2,970	-14.6%	2,537	2,970	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,517	2,359	6.7%	2,517	2,359	0	0	0	0	0	0
California	1,678	1,524	10.1%	1,678	1,524	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	839	836	0.4%	839	836	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	71,294	68,584	4.0%	37,412	33,656	33,881	34,928	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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Table 1.12.B. Net Generation from Nuclear Energy
by State, by Sector, Year-to-Date through December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	37,183	36,116	3.0%	0	0	37,183	36,116	0	0	0	0
Connecticut	17,080	17,078	0.0%	0	0	17,080	17,078	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	4,331	5,860	-26.1%	0	0	4,331	5,860	0	0	0	0
New Hampshire	10,927	8,189	33.4%	0	0	10,927	8,189	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	4,846	4,989	-2.9%	0	0	4,846	4,989	0	0	0	0
Middle Atlantic	156,849	149,059	5.2%	0	0	156,849	149,059	0	0	0	0
New Jersey	33,380	33,110	0.8%	0	0	33,380	33,110	0	0	0	0
New York	44,756	40,775	9.8%	0	0	44,756	40,775	0	0	0	0
Pennsylvania	78,714	75,174	4.7%	0	0	78,714	75,174	0	0	0	0
East North Central	153,849	155,808	-1.3%	22,879	22,842	130,970	132,966	0	0	0	0
Illinois	97,131	96,401	0.8%	0	0	97,131	96,401	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	28,921	28,020	3.2%	22,879	22,842	6,042	5,178	0	0	0	0
Ohio	16,121	17,087	-5.7%	0	0	16,121	17,087	0	0	0	0
Wisconsin	11,675	14,300	-18.4%	0	0	11,675	14,300	0	0	0	0
West North Central	38,429	41,096	-6.5%	33,109	36,749	5,321	4,347	0	0	0	0
Iowa	5,321	4,347	22.4%	0	0	5,321	4,347	0	0	0	0
Kansas	7,168	8,285	-13.5%	7,168	8,285	0	0	0	0	0	0
Minnesota	10,708	11,944	-10.3%	10,708	11,944	0	0	0	0	0	0
Missouri	8,367	10,718	-21.9%	8,367	10,718	0	0	0	0	0	0
Nebraska	6,865	5,802	18.3%	6,865	5,802	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	197,513	184,645	7.0%	183,249	171,066	14,264	13,579	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	26,526	17,870	48.4%	26,526	17,870	0	0	0	0	0	0
Georgia	32,903	33,942	-3.1%	32,903	33,942	0	0	0	0	0	0
Maryland	14,264	13,579	5.0%	0	0	14,264	13,579	0	0	0	0
North Carolina	40,242	39,386	2.2%	40,242	39,386	0	0	0	0	0	0
South Carolina	54,252	51,145	6.1%	54,252	51,145	0	0	0	0	0	0
Virginia	29,326	28,723	2.1%	29,326	28,723	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	80,174	73,239	9.5%	80,174	73,239	0	0	0	0	0	0
Alabama	40,816	40,841	-0.1%	40,816	40,841	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	10,865	7,296	48.9%	10,865	7,296	0	0	0	0	0	0
Tennessee	28,494	25,102	13.5%	28,494	25,102	0	0	0	0	0	0
West South Central	67,215	69,593	-3.4%	28,900	31,152	38,315	38,441	0	0	0	0
Arkansas	11,945	15,493	-22.9%	11,945	15,493	0	0	0	0	0	0
Louisiana	16,954	15,659	8.3%	16,954	15,659	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	38,315	38,441	-0.3%	0	0	38,315	38,441	0	0	0	0
Mountain	31,431	31,934	-1.6%	31,431	31,934	0	0	0	0	0	0
Arizona	31,431	31,934	-1.6%	31,431	31,934	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	26,373	27,841	-5.3%	26,373	27,841	0	0	0	0	0	0
California	17,912	18,507	-3.2%	17,912	18,507	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	8,461	9,334	-9.4%	8,461	9,334	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	789,017	769,331	2.6%	406,114	394,823	382,902	374,509	0	0	0	0

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	731	729	0.3%	102	104	588	581	NM	1	40	44
Connecticut	NM	30	NM	NM	3	NM	27	0	0	0	0
Maine	335	344	-2.7%	0	0	299	303	0	0	36	40
Massachusetts	106	99	7.3%	NM	25	75	73	NM	1	NM	0
New Hampshire	120	124	-2.9%	24	33	95	91	0	0	NM	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	129	131	-1.5%	45	44	82	85	0	0	NM	3
Middle Atlantic	2,650	2,269	16.8%	2,008	1,797	634	467	NM	0	NM	5
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	2,332	2,016	15.7%	1,881	1,674	444	336	NM	0	NM	5
Pennsylvania	315	252	24.8%	127	122	187	130	0	0	0	0
East North Central	222	295	-24.6%	196	267	NM	17	NM	0	NM	11
Illinois	NM	8	NM	NM	3	NM	4	NM	0	0	0
Indiana	20	29	-29.1%	20	29	0	0	0	0	0	0
Michigan	75	127	-40.8%	68	116	NM	8	0	0	NM	3
Ohio	NM	29	NM	NM	29	0	0	0	0	0	0
Wisconsin	90	103	-12.2%	78	90	NM	5	0	0	NM	8
West North Central	616	539	14.2%	598	533	NM	5	0	0	NM	2
Iowa	52	36	43.3%	51	36	NM	0	0	0	0	0
Kansas	NM	0	NM	0	0	NM	0	0	0	0	0
Minnesota	28	16	75.1%	NM	10	NM	4	0	0	NM	2
Missouri	70	15	353.6%	70	15	0	0	0	0	0	0
Nebraska	81	59	36.8%	81	59	0	0	0	0	0	0
North Dakota	143	154	-7.6%	143	154	0	0	0	0	0	0
South Dakota	240	258	-7.0%	240	258	0	0	0	0	0	0
South Atlantic	1,771	861	105.7%	1,353	546	269	242	NM	1	149	72
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	12	NM	NM	12	0	0	0	0	0	0
Georgia	371	173	114.5%	367	171	NM	0	0	0	NM	1
Maryland	197	185	6.6%	0	0	197	185	0	0	0	0
North Carolina	633	224	182.6%	540	187	NM	NM	NM	1	88	33
South Carolina	267	97	175.9%	260	93	NM	4	NM	0	0	0
Virginia	125	43	192.1%	116	40	NM	3	0	0	NM	1
West Virginia	160	128	24.7%	51	43	51	48	0	0	57	37
East South Central	2,932	1,776	65.1%	2,820	1,730	NM	1	0	0	112	45
Alabama	1,415	805	75.8%	1,415	805	0	0	0	0	0	0
Kentucky	371	254	46.0%	370	253	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,145	717	59.8%	1,034	671	0	0	0	0	112	45
West South Central	576	126	355.8%	495	90	80	37	0	0	0	0
Arkansas	241	62	289.8%	236	61	NM	1	0	0	0	0
Louisiana	71	34	107.0%	0	0	71	34	0	0	0	0
Oklahoma	142	11	NM	142	11	0	0	0	0	0	0
Texas	122	19	534.1%	118	18	NM	1	0	0	0	0
Mountain	2,012	2,455	-18.0%	1,726	2,087	285	368	NM	0	0	0
Arizona	397	477	-16.9%	397	477	0	0	0	0	0	0
Colorado	88	89	-1.7%	76	85	NM	4	NM	0	0	0
Idaho	561	603	-6.9%	528	572	33	31	0	0	0	0
Montana	722	1,048	-31.2%	486	718	235	330	0	0	0	0
Nevada	161	141	14.1%	157	139	NM	2	0	0	0	0
New Mexico	NM	16	NM	NM	16	0	0	0	0	0	0
Utah	45	54	-16.5%	45	53	NM	1	0	0	0	0
Wyoming	25	26	-3.7%	25	26	NM	0	0	0	0	0
Pacific Contiguous	9,679	13,771	-29.7%	9,600	13,630	79	141	NM	0	NM	0
California	954	1,968	-51.5%	916	1,882	39	85	NM	0	0	0
Oregon	2,805	3,704	-24.3%	2,784	3,675	21	28	0	0	0	0
Washington	5,920	8,100	-26.9%	5,900	8,072	20	27	0	0	NM	0
Pacific Noncontiguous	132	162	-18.1%	128	151	0	3	0	0	NM	7
Alaska	126	147	-14.4%	126	147	0	0	0	0	0	0
Hawaii	NM	14	NM	NM	4	0	3	0	0	NM	7
U.S. Total	21,323	22,984	-7.2%	19,028	20,933	1,966	1,862	NM	2	326	186

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	8,415	7,360	14.3%	1,175	950	6,735	5,966	NM	5	497	440
Connecticut	409	312	31.0%	NM	27	375	286	0	0	0	0
Maine	4,045	3,733	8.4%	0	0	3,589	3,320	0	0	456	412
Massachusetts	1,145	912	25.5%	311	230	822	673	NM	5	NM	4
New Hampshire	1,453	1,289	12.7%	361	324	1,085	965	0	0	NM	0
Rhode Island	NM	4	NM	0	0	NM	4	0	0	0	0
Vermont	1,357	1,109	22.3%	470	369	860	717	0	0	NM	23
Middle Atlantic	27,800	26,905	3.3%	21,530	21,762	6,194	5,079	NM	4	71	61
New Jersey	NM	11	NM	0	0	NM	11	0	0	0	0
New York	25,148	24,652	2.0%	20,417	20,728	4,655	3,860	NM	4	71	61
Pennsylvania	2,622	2,242	17.0%	1,113	1,035	1,509	1,207	0	0	0	0
East North Central	3,380	3,696	-8.6%	3,033	3,340	219	208	NM	4	123	143
Illinois	141	111	26.6%	60	50	78	59	NM	2	0	0
Indiana	417	434	-3.7%	417	434	0	0	0	0	0	0
Michigan	1,037	1,215	-14.7%	934	1,111	80	78	0	0	NM	26
Ohio	520	414	25.6%	520	414	0	0	0	0	0	0
Wisconsin	1,265	1,522	-16.9%	1,102	1,332	61	71	NM	2	100	117
West North Central	9,301	11,767	-21.0%	9,076	11,529	153	164	0	0	72	74
Iowa	667	766	-12.9%	662	761	NM	6	0	0	0	0
Kansas	NM	10	NM	0	0	NM	10	0	0	0	0
Minnesota	384	561	-31.5%	182	339	130	148	0	0	72	74
Missouri	1,213	714	69.9%	1,213	714	0	0	0	0	0	0
Nebraska	1,089	1,257	-13.4%	1,089	1,257	0	0	0	0	0	0
North Dakota	1,852	2,477	-25.2%	1,852	2,477	0	0	0	0	0	0
South Dakota	4,077	5,981	-31.8%	4,077	5,981	0	0	0	0	0	0
South Atlantic	17,523	11,667	50.2%	13,725	8,493	2,249	2,209	NM	12	1,534	953
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	198	151	31.3%	198	151	0	0	0	0	0	0
Georgia	3,419	2,236	52.9%	3,382	2,212	NM	6	0	0	NM	19
Maryland	1,531	1,657	-7.6%	0	0	1,531	1,657	0	0	0	0
North Carolina	6,433	3,728	72.6%	5,543	3,311	NM	30	13	11	828	375
South Carolina	2,800	1,420	97.1%	2,728	1,367	71	53	NM	0	0	0
Virginia	1,425	1,044	36.5%	1,332	969	78	62	0	0	NM	12
West Virginia	1,717	1,431	20.0%	543	483	509	401	0	0	665	547
East South Central	27,750	18,093	53.4%	26,727	17,461	NM	8	0	0	1,013	623
Alabama	12,647	7,435	70.1%	12,647	7,435	0	0	0	0	0	0
Kentucky	3,366	2,362	42.5%	3,356	2,353	NM	8	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	11,737	8,296	41.5%	10,724	7,673	0	0	0	0	1,013	623
West South Central	7,065	4,608	53.3%	5,921	3,850	1,144	758	0	0	0	0
Arkansas	2,709	2,198	23.2%	2,652	2,156	57	43	0	0	0	0
Louisiana	1,045	680	53.6%	0	0	1,045	680	0	0	0	0
Oklahoma	2,126	1,146	85.6%	2,126	1,146	0	0	0	0	0	0
Texas	1,186	584	102.8%	1,143	549	43	36	0	0	0	0
Mountain	30,480	34,743	-12.3%	26,340	30,089	4,140	4,653	NM	0	0	0
Arizona	5,951	6,717	-11.4%	5,951	6,717	0	0	0	0	0	0
Colorado	1,258	1,497	-16.0%	1,122	1,430	136	68	NM	0	0	0
Idaho	9,101	10,940	-16.8%	8,430	10,005	670	935	0	0	0	0
Montana	9,953	11,283	-11.8%	6,687	7,693	3,266	3,590	0	0	0	0
Nevada	2,682	2,440	9.9%	2,629	2,399	52	42	0	0	0	0
New Mexico	185	223	-16.8%	185	223	0	0	0	0	0	0
Utah	634	748	-15.2%	627	740	NM	8	0	0	0	0
Wyoming	717	893	-19.8%	708	883	NM	10	0	0	0	0
Pacific Contiguous	135,906	155,712	-12.7%	134,260	153,857	1,640	1,851	NM	3	NM	1
California	24,541	26,837	-8.6%	23,394	25,548	1,143	1,286	NM	3	0	0
Oregon	33,457	39,410	-15.1%	33,196	39,111	262	299	0	0	0	0
Washington	77,907	89,464	-12.9%	77,671	89,197	235	265	0	0	NM	1
Pacific Noncontiguous	1,517	1,690	-10.2%	1,451	1,604	15	27	0	0	50	59
Alaska	1,426	1,575	-9.5%	1,426	1,575	0	0	0	0	0	0
Hawaii	91	115	-20.8%	NM	29	15	27	0	0	50	59
U.S. Total	269,136	276,240	-2.6%	243,239	252,936	22,500	20,923	36	28	3,363	2,353

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	866	838	3.4%	86	82	561	540	14	12	205	204
Connecticut	55	52	7.6%	0	0	55	52	0	0	0	0
Maine	408	418	-2.4%	0	0	239	255	NM	8	159	155
Massachusetts	176	159	10.6%	6	8	122	101	NM	1	46	48
New Hampshire	151	135	12.0%	37	33	111	100	NM	3	0	0
Rhode Island	9	8	6.2%	0	0	9	8	0	0	0	0
Vermont	67	66	1.4%	43	41	24	25	NM	0	0	0
Middle Atlantic	1,244	1,140	9.1%	NM	2	1,109	1,021	52	45	80	72
New Jersey	118	97	21.0%	NM	2	96	80	19	16	NM	0
New York	557	538	3.5%	0	0	508	496	22	18	27	25
Pennsylvania	569	504	12.9%	0	0	506	446	11	11	52	47
East North Central	2,381	2,335	2.0%	210	210	2,013	1,939	16	21	142	164
Illinois	1,000	1,004	-0.4%	NM	2	999	1,002	NM	0	0	0
Indiana	434	421	3.0%	19	23	410	394	NM	2	NM	2
Michigan	502	449	11.9%	80	80	343	280	13	18	67	71
Ohio	178	179	-0.7%	NM	2	146	145	NM	0	29	33
Wisconsin	267	282	-5.4%	106	104	115	119	NM	1	45	58
West North Central	3,973	3,672	8.2%	1,205	1,140	2,708	2,473	11	6	49	53
Iowa	1,317	1,346	-2.1%	687	728	625	616	NM	2	2	1
Kansas	729	690	5.6%	69	57	660	633	0	0	0	0
Minnesota	855	786	8.9%	186	180	620	551	NM	3	45	51
Missouri	100	114	-12.1%	4	2	94	112	3	0	NM	0
Nebraska	184	147	25.4%	22	24	160	121	NM	1	0	0
North Dakota	560	376	48.8%	178	98	381	277	0	0	NM	0
South Dakota	227	212	6.9%	59	50	168	162	0	0	0	0
South Atlantic	1,743	1,633	6.7%	146	84	723	677	36	24	839	848
Delaware	9	8	11.4%	NM	0	8	7	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	410	413	-0.5%	16	16	213	201	NM	4	177	192
Georgia	317	314	1.2%	0	0	56	26	NM	4	258	284
Maryland	80	92	-13.2%	NM	NM	63	77	NM	3	12	11
North Carolina	258	283	-8.8%	NM	0	139	161	6	1	112	121
South Carolina	185	179	3.4%	38	38	NM	3	0	0	145	137
Virginia	330	212	55.6%	90	29	86	68	20	11	134	104
West Virginia	155	134	15.4%	0	0	155	134	0	0	0	0
East South Central	528	459	15.0%	8	6	27	30	NM	NM	493	423
Alabama	267	244	9.3%	NM	0	17	16	0	0	249	228
Kentucky	43	29	48.5%	8	6	0	0	0	0	35	23
Mississippi	124	106	17.5%	0	0	0	1	0	0	124	105
Tennessee	94	80	16.8%	0	0	10	13	NM	NM	84	67
West South Central	4,054	4,791	-15.4%	150	187	3,450	4,104	NM	5	451	494
Arkansas	133	154	-13.3%	0	0	9	7	NM	1	124	146
Louisiana	219	241	-9.2%	0	0	5	3	0	0	213	238
Oklahoma	874	987	-11.5%	125	156	720	799	0	0	29	32
Texas	2,828	3,409	-17.0%	24	31	2,716	3,296	NM	4	84	78
Mountain	2,665	2,626	1.5%	381	332	2,248	2,257	NM	6	32	32
Arizona	204	173	18.1%	15	24	188	148	NM	NM	0	0
Colorado	751	691	8.7%	18	7	732	681	NM	2	NM	0
Idaho	253	417	-39.2%	13	17	209	368	0	0	32	31
Montana	252	164	54.0%	31	21	222	143	0	0	0	0
Nevada	309	302	2.4%	0	0	308	299	NM	2	NM	0
New Mexico	215	271	-20.9%	NM	5	210	266	NM	0	0	0
Utah	81	116	-29.7%	26	25	56	91	0	0	0	0
Wyoming	599	493	21.4%	275	233	324	261	0	0	0	0
Pacific Contiguous	4,017	3,824	5.0%	626	607	3,071	2,935	98	86	221	196
California	2,513	2,389	5.2%	149	162	2,201	2,093	96	84	67	50
Oregon	667	657	1.5%	106	78	513	533	NM	2	47	45
Washington	836	778	7.5%	371	367	357	310	0	0	108	101
Pacific Noncontiguous	109	84	29.6%	13	3	70	63	16	14	NM	4
Alaska	15	7	117.8%	10	2	NM	NM	0	0	0	0
Hawaii	94	77	21.9%	3	1	65	58	16	14	NM	4
U.S. Total	21,581	21,402	0.8%	2,828	2,653	15,979	16,039	252	219	2,521	2,490

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 for 2013 are preliminary. Values for 2012 are final. 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 Renewable Sources Excluding Hydroelectric by State, by Sector, Year-to-Date through December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	9,648	8,557	12.8%	874	664	6,317	5,652	161	136	2,295	2,105
Connecticut	670	667	0.5%	0	0	670	667	0	0	0	0
Maine	4,509	4,099	10.0%	0	0	2,631	2,468	112	92	1,767	1,539
Massachusetts	1,999	1,843	8.4%	72	68	1,385	1,198	14	11	528	566
New Hampshire	1,661	1,381	20.3%	359	347	1,270	1,003	33	31	0	0
Rhode Island	100	102	-1.7%	0	0	100	102	0	0	0	0
Vermont	709	465	52.5%	444	249	262	214	NM	2	0	0
Middle Atlantic	13,122	10,932	20.0%	58	41	11,715	9,625	634	544	715	722
New Jersey	1,549	1,281	21.0%	58	41	1,235	1,044	255	194	NM	1
New York	5,858	5,192	12.8%	0	0	5,365	4,727	252	220	242	246
Pennsylvania	5,714	4,459	28.2%	0	0	5,115	3,854	128	130	471	475
East North Central	24,298	20,666	17.6%	2,429	1,791	19,928	16,813	195	235	1,746	1,828
Illinois	10,299	8,373	23.0%	15	14	10,284	8,358	NM	0	0	0
Indiana	3,810	3,546	7.4%	276	286	3,493	3,209	23	22	18	29
Michigan	5,070	3,785	33.9%	890	274	3,256	2,510	153	196	772	806
Ohio	1,889	1,739	8.7%	37	20	1,519	1,367	NM	0	328	352
Wisconsin	3,230	3,223	0.2%	1,212	1,197	1,377	1,370	14	16	628	641
West North Central	46,467	39,730	17.0%	14,319	12,555	31,540	26,570	88	83	521	521
Iowa	15,731	14,183	10.9%	8,596	7,479	7,086	6,664	27	28	21	12
Kansas	9,486	5,253	80.6%	917	852	8,569	4,401	0	0	0	0
Minnesota	9,929	9,454	5.0%	2,177	2,016	7,220	6,901	40	38	491	499
Missouri	1,239	1,299	-4.6%	41	28	1,189	1,266	6	0	NM	5
Nebraska	1,860	1,347	38.1%	261	258	1,583	1,072	16	17	0	0
North Dakota	5,535	5,280	4.8%	1,715	1,256	3,815	4,019	0	0	NM	6
South Dakota	2,688	2,915	-7.8%	610	667	2,078	2,248	0	0	0	0
South Atlantic	18,436	17,334	6.4%	1,379	1,056	7,384	6,784	374	241	9,299	9,253
Delaware	122	131	-6.8%	NM	2	114	125	NM	4	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,618	4,524	2.1%	266	243	2,228	2,243	36	37	2,088	2,001
Georgia	3,609	3,279	10.1%	0	0	494	219	32	29	3,082	3,030
Maryland	934	898	4.0%	12	3	750	717	45	36	127	141
North Carolina	2,947	2,704	9.0%	NM	4	1,624	1,362	24	4	1,292	1,334
South Carolina	1,960	2,143	-8.6%	420	458	20	40	0	0	1,520	1,646
Virginia	2,845	2,358	20.6%	670	345	753	782	233	130	1,190	1,101
West Virginia	1,402	1,297	8.1%	0	0	1,402	1,297	0	0	0	0
East South Central	6,167	5,455	13.1%	96	96	300	307	NM	NM	5,769	5,050
Alabama	3,249	2,777	17.0%	NM	1	198	190	0	0	3,049	2,586
Kentucky	327	333	-1.6%	94	95	0	0	0	0	234	238
Mississippi	1,509	1,509	0.0%	0	0	0	3	0	0	1,508	1,506
Tennessee	1,082	836	29.4%	0	0	102	114	NM	NM	977	720
West South Central	53,180	46,628	14.1%	1,953	1,912	45,830	39,392	43	41	5,355	5,282
Arkansas	1,654	1,660	-0.4%	0	0	90	65	NM	6	1,558	1,590
Louisiana	2,522	2,430	3.8%	0	0	61	60	0	0	2,462	2,370
Oklahoma	11,220	8,521	31.7%	1,630	1,594	9,250	6,564	0	0	339	363
Texas	37,784	34,017	11.1%	322	319	36,428	32,704	37	36	996	958
Mountain	26,911	22,677	18.7%	2,944	2,700	23,481	19,510	90	64	397	403
Arizona	2,647	1,698	55.9%	254	188	2,373	1,502	20	8	0	0
Colorado	7,643	6,192	23.4%	83	74	7,527	6,093	30	21	NM	3
Idaho	3,174	2,515	26.2%	133	70	2,651	2,048	0	0	390	397
Montana	1,661	1,262	31.6%	113	101	1,548	1,161	0	0	0	0
Nevada	3,812	2,969	28.4%	0	0	3,773	2,934	36	32	NM	3
New Mexico	2,617	2,574	1.7%	66	48	2,547	2,522	NM	4	0	0
Utah	943	1,100	-14.2%	251	269	692	831	0	0	0	0
Wyoming	4,415	4,369	1.0%	2,044	1,951	2,371	2,418	0	0	0	0
Pacific Contiguous	53,842	45,388	18.6%	7,475	7,160	42,652	34,748	1,132	1,046	2,583	2,434
California	36,564	29,967	22.0%	2,280	2,105	32,370	26,055	1,108	1,024	805	783
Oregon	8,527	7,207	18.3%	1,470	1,369	6,511	5,344	24	22	523	472
Washington	8,751	8,214	6.5%	3,725	3,687	3,771	3,348	0	0	1,255	1,179
Pacific Noncontiguous	1,255	965	30.1%	119	41	854	662	183	153	99	109
Alaska	143	40	258.6%	90	19	51	18	0	0	NM	3
Hawaii	1,112	925	20.2%	29	22	803	644	183	153	98	106
U.S. Total	253,328	218,333	16.0%	31,645	28,017	190,002	160,064	2,904	2,545	28,777	27,707

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

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	-48	-28	73.1%	0	0	-48	-28	0	0	0	0
Connecticut	1	2	-36.3%	0	0	1	2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-49	-29	67.1%	0	0	-49	-29	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	-80	-98	-17.6%	-34	-48	-47	-49	0	0	0	0
New Jersey	-14	-12	11.5%	-14	-12	0	0	0	0	0	0
New York	-20	-36	-44.6%	-20	-36	0	0	0	0	0	0
Pennsylvania	-47	-49	-5.4%	0	0	-47	-49	0	0	0	0
East North Central	-69	-57	21.6%	-69	-57	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	-69	-57	21.6%	-69	-57	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	-7	-8	-21.0%	-7	-8	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	-7	-8	-21.0%	-7	-8	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-166	-243	-31.8%	-166	-243	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	-13	-69	-81.4%	-13	-69	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	-66	-77	-13.9%	-66	-77	0	0	0	0	0	0
Virginia	-87	-97	-10.7%	-87	-97	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-15	-17	-14.5%	-15	-17	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	-15	-17	-14.5%	-15	-17	0	0	0	0	0	0
West South Central	8	-10	-187.7%	8	-10	0	0	0	0	0	0
Arkansas	0	1	-78.0%	0	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	8	-11	-173.0%	8	-11	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-25	-23	7.3%	-25	-23	0	0	0	0	0	0
Arizona	-11	-1	990.9%	-11	-1	0	0	0	0	0	0
Colorado	-15	-23	-34.9%	-15	-23	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	0	-92	-100.3%	0	-92	0	0	0	0	0	0
California	1	-92	-100.7%	1	-92	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	69.5%	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	-402	-576	-30.3%	-307	-499	-95	-77	0	0	0	0

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	-302	-305	-1.0%	0	0	-302	-305	0	0	0	0
Connecticut	-1	3	-138.7%	0	0	-1	3	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-301	-308	-2.2%	0	0	-301	-308	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	-1,079	-1,022	5.5%	-540	-579	-539	-443	0	0	0	0
New Jersey	-202	-166	21.6%	-202	-166	0	0	0	0	0	0
New York	-338	-413	-18.2%	-338	-413	0	0	0	0	0	0
Pennsylvania	-539	-443	21.6%	0	0	-539	-443	0	0	0	0
East North Central	-871	-773	12.6%	-871	-773	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	-871	-773	12.6%	-871	-773	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	296	33	785.3%	296	33	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	296	33	785.3%	296	33	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	-2,395	-3,099	-22.7%	-2,395	-3,099	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	-393	-838	-53.2%	-393	-838	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	-795	-896	-11.3%	-795	-896	0	0	0	0	0	0
Virginia	-1,207	-1,366	-11.6%	-1,207	-1,366	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-41	-163	-75.1%	-41	-163	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	-41	-163	-75.1%	-41	-163	0	0	0	0	0	0
West South Central	-48	-74	-35.9%	-48	-74	0	0	0	0	0	0
Arkansas	31	42	-27.3%	31	42	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-78	-117	-32.8%	-78	-117	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-222	-165	34.5%	-222	-165	0	0	0	0	0	0
Arizona	32	79	-60.1%	32	79	0	0	0	0	0	0
Colorado	-254	-244	3.7%	-254	-244	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	237	618	-61.8%	237	618	0	0	0	0	0	0
California	229	575	-60.1%	229	575	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	7	44	-83.5%	7	44	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	-4,424	-4,950	-10.6%	-3,583	-4,202	-841	-748	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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	163	185	-11.6%	0	0	146	166	7	8	10	11
Connecticut	50	62	-18.9%	0	0	50	62	0	0	0	0
Maine	29	39	-24.9%	0	0	15	23	7	8	7	8
Massachusetts	78	79	-0.3%	0	0	76	76	0	0	3	3
New Hampshire	6	5	4.2%	0	0	6	5	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	206	212	-2.6%	0	0	166	163	40	40	0	9
New Jersey	48	55	-13.3%	0	0	35	33	13	13	0	9
New York	83	80	3.0%	0	0	66	64	17	17	0	0
Pennsylvania	75	76	-0.6%	0	0	66	66	9	9	0	0
East North Central	84	85	-1.0%	15	3	13	16	12	18	43	47
Illinois	20	19	4.6%	0	0	0	0	0	0	20	19
Indiana	31	22	43.2%	11	0	0	0	NM	1	18	20
Michigan	28	36	-20.9%	2	0	13	16	11	17	2	3
Ohio	1	1	-36.9%	0	0	0	0	0	0	1	1
Wisconsin	4	7	-44.2%	1	3	0	0	0	0	NM	4
West North Central	39	40	-2.4%	20	20	13	13	NM	2	4	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	32	32	-1.1%	13	12	13	13	NM	2	4	5
Missouri	2	2	-3.7%	2	2	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	5	NM	NM	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	305	397	-23.3%	0	0	174	198	17	9	114	190
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	222	291	-23.7%	0	0	117	132	0	0	104	159
Georgia	7	6	10.9%	0	0	0	0	0	0	7	6
Maryland	21	29	-27.6%	0	0	21	29	NM	0	0	0
North Carolina	12	29	-60.2%	0	0	12	9	0	0	0	20
South Carolina	3	9	-63.1%	0	0	0	4	0	0	3	5
Virginia	41	34	20.6%	0	0	24	24	17	9	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1	20	-96.2%	0	0	0	0	0	0	NM	20
Alabama	0	20	-99.0%	0	0	0	0	0	0	0	20
Kentucky	0	0	108.8%	0	0	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	0	0	-56.8%	0	0	0	0	0	0	0	0
West South Central	95	55	71.0%	0	0	0	0	0	0	95	55
Arkansas	1	3	-51.2%	0	0	0	0	0	0	1	3
Louisiana	61	29	110.0%	0	0	0	0	0	0	61	29
Oklahoma	NM	1	NM	0	0	0	0	0	0	NM	1
Texas	31	23	37.0%	0	0	0	0	0	0	31	23
Mountain	41	58	-28.9%	NM	1	27	26	0	0	13	32
Arizona	0	0	-100.0%	0	0	0	0	0	0	0	0
Colorado	4	5	-5.9%	0	0	NM	1	0	0	NM	4
Idaho	0	6	-100.0%	0	0	0	0	0	0	0	6
Montana	25	24	5.9%	0	0	25	24	0	0	0	0
Nevada	NM	1	NM	NM	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	10	17	-38.9%	0	0	NM	0	0	0	10	17
Wyoming	0	6	-100.0%	0	0	0	0	0	0	0	6
Pacific Contiguous	56	91	-37.9%	0	0	24	28	0	0	33	62
California	42	72	-41.6%	0	0	14	20	0	0	28	52
Oregon	NM	5	NM	0	0	NM	4	0	0	0	1
Washington	11	14	-25.2%	0	0	6	5	0	0	4	9
Pacific Noncontiguous	16	34	-52.0%	0	20	1	0	16	14	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	16	34	-52.0%	0	20	1	0	16	14	0	0
U.S. Total	1,006	1,176	-14.4%	36	45	564	610	94	91	312	430

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	2,067	2,153	-4.0%	0	0	1,858	1,944	95	88	115	121
Connecticut	722	756	-4.6%	0	0	722	756	0	0	0	0
Maine	381	424	-10.1%	0	0	196	245	95	88	90	92
Massachusetts	897	906	-1.1%	0	0	872	877	0	0	24	29
New Hampshire	68	66	3.5%	0	0	68	66	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,389	2,497	-4.3%	0	0	1,916	1,924	473	465	0	107
New Jersey	535	633	-15.5%	0	0	389	378	146	147	0	107
New York	980	968	1.2%	0	0	755	757	224	211	0	0
Pennsylvania	875	896	-2.3%	0	0	772	789	103	107	0	0
East North Central	1,109	1,133	-2.1%	136	121	151	159	159	205	663	648
Illinois	261	299	-12.9%	0	0	0	0	0	0	261	299
Indiana	442	347	27.6%	96	57	0	0	19	20	327	269
Michigan	323	395	-18.0%	10	25	151	159	139	185	23	27
Ohio	10	12	-20.1%	0	0	0	0	0	0	10	12
Wisconsin	72	80	-9.5%	30	39	0	0	0	0	42	41
West North Central	487	478	1.9%	249	246	150	149	34	28	53	55
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	413	394	4.8%	176	163	150	149	34	28	53	55
Missouri	16	20	-18.1%	16	20	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	58	64	-9.8%	58	64	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,926	4,501	-12.8%	0	0	2,100	2,205	206	113	1,620	2,183
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	2,859	3,194	-10.5%	0	0	1,384	1,436	0	0	1,475	1,757
Georgia	88	56	57.2%	0	0	0	0	0	0	88	56
Maryland	303	296	2.3%	0	0	302	296	NM	1	0	0
North Carolina	156	452	-65.6%	0	0	156	141	0	0	0	311
South Carolina	57	106	-46.8%	0	0	0	48	0	0	57	58
Virginia	464	397	16.9%	0	0	259	284	205	113	0	1
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	14	235	-94.1%	9	8	0	0	0	0	5	227
Alabama	3	227	-98.5%	0	0	0	0	0	0	3	227
Kentucky	9	8	6.3%	9	8	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	1	1	0.2%	0	0	0	0	0	0	1	1
West South Central	942	714	32.0%	0	0	0	0	0	0	942	714
Arkansas	21	30	-32.3%	0	0	0	0	0	0	21	30
Louisiana	480	376	27.9%	0	0	0	0	0	0	480	376
Oklahoma	23	10	126.7%	0	0	0	0	0	0	23	10
Texas	419	298	40.5%	0	0	0	0	0	0	419	298
Mountain	564	702	-19.7%	14	12	353	381	0	0	197	309
Arizona	3	24	-86.3%	0	0	3	24	0	0	0	0
Colorado	53	55	-3.4%	0	0	13	11	0	0	41	45
Idaho	0	69	-100.0%	0	0	0	0	0	0	0	69
Montana	332	341	-2.6%	0	0	332	341	0	0	0	0
Nevada	14	12	17.5%	14	12	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	161	133	20.7%	0	0	NM	5	0	0	156	128
Wyoming	0	67	-100.0%	0	0	0	0	0	0	0	67
Pacific Contiguous	668	1,012	-34.0%	0	0	284	268	0	0	384	744
California	488	815	-40.1%	0	0	166	158	0	0	322	657
Oregon	44	50	-13.4%	0	0	44	42	0	0	0	8
Washington	136	147	-7.3%	0	0	74	69	0	0	62	78
Pacific Noncontiguous	189	363	-48.0%	0	216	13	0	175	147	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	189	363	-48.0%	0	216	13	0	175	147	0	0
U.S. Total	12,355	13,787	-10.4%	408	603	6,826	7,030	1,143	1,046	3,979	5,108

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	168	166	1.3%	17	13	150	151	NM	1	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	97	104	-6.8%	0	0	97	104	0	0	0	0
Massachusetts	20	16	22.9%	NM	8	13	8	NM	1	0	0
New Hampshire	29	32	-9.4%	0	0	29	32	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	22	13	65.9%	11	6	10	7	0	0	0	0
Middle Atlantic	703	647	8.5%	0	0	702	647	0	0	NM	0
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	351	352	-0.4%	0	0	350	352	0	0	NM	0
Pennsylvania	351	294	19.4%	0	0	351	294	0	0	0	0
East North Central	1,899	1,830	3.8%	173	165	1,723	1,664	NM	0	NM	1
Illinois	944	958	-1.5%	NM	2	942	956	0	0	0	0
Indiana	405	394	2.9%	0	0	405	394	NM	0	0	0
Michigan	277	229	21.1%	80	80	197	149	0	0	0	0
Ohio	136	112	20.9%	NM	2	132	109	0	0	NM	1
Wisconsin	137	137	-0.2%	90	81	47	56	0	0	0	0
West North Central	3,779	3,482	8.5%	1,163	1,097	2,613	2,382	NM	3	0	0
Iowa	1,303	1,336	-2.5%	685	726	618	610	NM	0	0	0
Kansas	725	686	5.6%	69	57	656	629	0	0	0	0
Minnesota	695	620	12.1%	154	145	539	473	NM	2	0	0
Missouri	92	110	-16.5%	0	0	92	110	0	0	0	0
Nebraska	179	142	26.0%	19	21	160	121	0	0	0	0
North Dakota	559	376	48.8%	178	98	381	277	0	0	0	0
South Dakota	227	212	6.9%	59	50	168	162	0	0	0	0
South Atlantic	187	171	9.5%	0	0	187	170	NM	0	0	0
Delaware	NM	0	NM	0	0	0	0	NM	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	32	37	-12.6%	0	0	32	37	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	154	133	15.7%	0	0	154	133	0	0	0	0
East South Central	6	7	-17.3%	0	0	6	7	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	6	7	-17.3%	0	0	6	7	0	0	0	0
West South Central	3,515	4,201	-16.3%	150	187	3,365	4,014	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	845	955	-11.5%	125	156	720	799	0	0	0	0
Texas	2,670	3,246	-17.7%	24	31	2,645	3,215	0	0	0	0
Mountain	2,061	2,097	-1.7%	336	277	1,725	1,818	NM	1	NM	0
Arizona	35	48	-27.1%	0	0	35	48	0	0	0	0
Colorado	736	672	9.6%	17	7	719	664	0	1	NM	0
Idaho	204	366	-44.3%	13	16	191	349	0	0	0	0
Montana	252	164	54.0%	31	21	222	143	0	0	0	0
Nevada	14	41	-65.9%	0	0	14	41	0	0	0	0
New Mexico	193	234	-17.4%	0	0	193	233	NM	0	0	0
Utah	28	79	-64.8%	0	0	28	79	0	0	0	0
Wyoming	599	493	21.4%	275	233	324	261	0	0	0	0
Pacific Contiguous	1,731	1,881	-7.9%	462	463	1,269	1,418	NM	0	NM	0
California	487	679	-28.3%	34	57	453	622	NM	0	NM	0
Oregon	567	564	0.5%	100	72	467	492	0	0	0	0
Washington	678	638	6.2%	328	334	349	304	0	0	0	0
Pacific Noncontiguous	52	44	18.4%	10	2	42	42	0	0	0	0
Alaska	15	7	123.7%	10	2	NM	NM	0	0	0	0
Hawaii	37	37	-0.1%	0	0	37	37	0	0	0	0
U.S. Total	14,100	14,524	-2.9%	2,310	2,203	11,782	12,313	NM	5	NM	2

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	1,854	1,294	43.3%	185	85	1,657	1,199	12	9	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1,045	887	17.8%	0	0	1,045	887	0	0	0	0
Massachusetts	187	90	108.6%	58	59	117	21	12	9	0	0
New Hampshire	383	209	83.5%	0	0	383	209	0	0	0	0
Rhode Island	NM	1	NM	0	0	NM	1	0	0	0	0
Vermont	238	107	122.3%	127	26	111	81	0	0	0	0
Middle Atlantic	6,900	5,132	34.5%	0	0	6,891	5,128	0	0	9	4
New Jersey	13	12	14.6%	0	0	13	12	0	0	0	0
New York	3,548	2,992	18.6%	0	0	3,538	2,988	0	0	9	4
Pennsylvania	3,339	2,129	56.9%	0	0	3,339	2,129	0	0	0	0
East North Central	18,313	14,612	25.3%	1,868	1,242	16,424	13,357	NM	1	19	12
Illinois	9,607	7,727	24.3%	15	14	9,592	7,713	0	0	0	0
Indiana	3,483	3,210	8.5%	0	0	3,481	3,209	NM	1	0	0
Michigan	2,524	1,132	123.0%	890	274	1,634	858	0	0	0	0
Ohio	1,137	985	15.3%	15	14	1,102	959	0	0	19	12
Wisconsin	1,562	1,558	0.3%	948	939	614	618	0	0	0	0
West North Central	44,252	37,561	17.8%	13,802	12,051	30,419	25,479	30	31	0	0
Iowa	15,571	14,032	11.0%	8,567	7,452	7,002	6,578	NM	3	0	0
Kansas	9,430	5,195	81.5%	917	852	8,513	4,343	0	0	0	0
Minnesota	8,065	7,615	5.9%	1,776	1,613	6,262	5,975	27	28	0	0
Missouri	1,168	1,245	-6.2%	0	0	1,168	1,245	0	0	0	0
Nebraska	1,799	1,284	40.1%	216	212	1,583	1,072	0	0	0	0
North Dakota	5,530	5,275	4.8%	1,715	1,256	3,815	4,019	0	0	0	0
South Dakota	2,688	2,915	-7.8%	610	667	2,078	2,248	0	0	0	0
South Atlantic	1,713	1,611	6.3%	0	0	1,709	1,608	NM	4	0	0
Delaware	NM	4	NM	0	0	0	0	NM	4	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	318	322	-1.2%	0	0	318	322	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	1,391	1,286	8.2%	0	0	1,391	1,286	0	0	0	0
East South Central	47	47	-1.6%	0	0	47	47	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	47	47	-1.6%	0	0	47	47	0	0	0	0
West South Central	46,817	40,372	16.0%	1,953	1,912	44,865	38,459	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	10,881	8,158	33.4%	1,630	1,594	9,250	6,564	0	0	0	0
Texas	35,937	32,214	11.6%	322	319	35,615	31,895	0	0	0	0
Mountain	19,438	17,080	13.8%	2,371	2,186	17,052	14,882	12	9	NM	3
Arizona	462	532	-13.1%	0	0	462	532	0	0	0	0
Colorado	7,382	5,969	23.7%	81	74	7,290	5,886	9	5	NM	3
Idaho	2,545	1,891	34.6%	133	60	2,413	1,830	0	0	0	0
Montana	1,661	1,262	31.6%	113	101	1,548	1,161	0	0	0	0
Nevada	251	129	94.5%	0	0	251	129	0	0	0	0
New Mexico	2,188	2,226	-1.7%	0	0	2,184	2,222	NM	4	0	0
Utah	535	704	-24.0%	0	0	535	704	0	0	0	0
Wyoming	4,415	4,369	1.0%	2,044	1,951	2,371	2,418	0	0	0	0
Pacific Contiguous	27,690	22,697	22.0%	5,624	5,431	22,059	17,266	NM	0	NM	0
California	13,230	9,754	35.6%	901	797	12,323	8,957	NM	0	NM	0
Oregon	7,452	6,343	17.5%	1,397	1,299	6,055	5,044	0	0	0	0
Washington	7,008	6,600	6.2%	3,327	3,335	3,682	3,265	0	0	0	0
Pacific Noncontiguous	641	416	54.1%	90	19	550	396	0	0	0	0
Alaska	142	37	279.1%	90	19	51	18	0	0	0	0
Hawaii	499	378	31.9%	0	0	499	378	0	0	0	0
U.S. Total	167,665	140,822	19.1%	25,893	22,926	141,674	117,822	63	54	35	19

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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, December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	689	670	2.9%	69	68	402	387	13	11	205	204
Connecticut	55	52	6.4%	0	0	55	52	0	0	0	0
Maine	311	314	-0.9%	0	0	142	150	NM	8	159	155
Massachusetts	149	141	5.7%	0	0	102	92	NM	0	46	48
New Hampshire	123	104	18.5%	37	33	83	68	NM	3	0	0
Rhode Island	8	8	-1.3%	0	0	8	8	0	0	0	0
Vermont	44	52	-15.4%	31	35	12	17	NM	0	0	0
Middle Atlantic	506	474	6.6%	0	0	380	360	47	43	78	71
New Jersey	88	81	9.0%	0	0	74	67	14	14	0	0
New York	204	184	10.8%	0	0	156	142	22	18	26	24
Pennsylvania	213	209	2.0%	0	0	150	151	11	11	52	47
East North Central	469	500	-6.1%	36	45	278	271	16	21	140	163
Illinois	53	44	20.1%	0	0	53	44	NM	0	0	0
Indiana	23	27	-13.9%	19	23	0	0	NM	2	NM	2
Michigan	225	220	2.4%	0	0	146	131	13	18	67	71
Ohio	38	65	-40.4%	NM	0	11	33	0	0	27	31
Wisconsin	130	145	-10.3%	16	22	68	63	NM	1	45	58
West North Central	194	190	2.2%	42	43	95	90	8	4	49	53
Iowa	14	10	42.2%	3	2	7	6	NM	1	2	1
Kansas	5	5	5.6%	0	0	5	5	0	0	0	0
Minnesota	160	165	-3.3%	32	35	81	78	NM	1	45	51
Missouri	9	4	102.7%	4	2	2	2	3	0	NM	0
Nebraska	5	5	7.8%	4	4	0	0	NM	1	0	0
North Dakota	NM	0	NM	0	0	0	0	0	0	NM	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,493	1,400	6.6%	137	75	489	454	29	23	839	848
Delaware	5	6	-12.5%	0	0	5	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	399	402	-0.8%	9	8	210	199	NM	4	177	192
Georgia	313	313	-0.1%	0	0	52	25	NM	4	258	284
Maryland	42	52	-19.1%	0	0	26	38	NM	3	12	11
North Carolina	219	235	-7.0%	0	0	106	113	0	1	112	121
South Carolina	184	179	3.2%	38	38	2	3	0	0	145	137
Virginia	330	212	55.6%	90	29	86	68	20	11	134	104
West Virginia	NM	1	NM	0	0	NM	1	0	0	0	0
East South Central	520	451	15.4%	8	6	19	21	0	0	493	423
Alabama	267	244	9.3%	NM	0	17	16	0	0	249	228
Kentucky	43	29	48.5%	8	6	0	0	0	0	35	23
Mississippi	124	106	17.5%	0	0	0	1	0	0	124	105
Tennessee	86	72	20.1%	0	0	2	5	0	0	84	67
West South Central	526	575	-8.5%	0	0	72	76	NM	5	451	494
Arkansas	133	154	-13.3%	0	0	9	7	NM	1	124	146
Louisiana	219	241	-9.2%	0	0	5	3	0	0	213	238
Oklahoma	29	32	-9.8%	0	0	0	0	0	0	29	32
Texas	145	149	-2.2%	0	0	58	67	NM	4	84	78
Mountain	71	77	-7.0%	2	4	37	42	0	0	32	31
Arizona	18	19	-2.8%	2	2	16	16	0	0	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	41	44	-6.2%	0	1	10	12	0	0	32	31
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	2	-100.0%	0	0	0	2	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	5	5	-8.5%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	821	783	4.9%	67	56	439	447	94	84	221	196
California	583	566	3.0%	19	17	406	417	92	82	66	50
Oregon	79	77	3.1%	6	6	25	24	NM	2	47	45
Washington	159	140	13.5%	43	33	8	6	0	0	108	101
Pacific Noncontiguous	29	19	52.4%	3	1	0	0	16	14	NM	4
Alaska	0	0	-100.0%	0	0	0	0	0	0	0	0
Hawaii	29	19	53.9%	3	1	0	0	16	14	NM	4
U.S. Total	5,319	5,138	3.5%	364	298	2,212	2,148	227	205	2,516	2,487

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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 December 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	7,664	7,229	6.0%	676	570	4,545	4,428	149	125	2,295	2,105
Connecticut	669	667	0.4%	0	0	669	667	0	0	0	0
Maine	3,465	3,212	7.9%	0	0	1,586	1,581	112	92	1,767	1,539
Massachusetts	1,703	1,724	-1.3%	0	0	1,173	1,157	NM	1	528	566
New Hampshire	1,278	1,173	9.0%	359	347	887	795	33	31	0	0
Rhode Island	95	101	-5.6%	0	0	95	101	0	0	0	0
Vermont	455	353	28.7%	317	223	135	128	NM	2	0	0
Middle Atlantic	5,541	5,411	2.4%	0	0	4,314	4,194	533	506	694	711
New Jersey	990	965	2.7%	0	0	836	808	154	157	0	0
New York	2,258	2,148	5.1%	0	0	1,774	1,687	252	220	233	242
Pennsylvania	2,293	2,298	-0.2%	0	0	1,704	1,699	127	130	462	469
East North Central	5,847	5,987	-2.3%	548	544	3,384	3,395	189	233	1,727	1,816
Illinois	628	615	2.1%	0	0	628	615	NM	0	0	0
Indiana	316	336	-5.9%	276	286	0	0	22	21	18	29
Michigan	2,546	2,654	-4.1%	0	0	1,621	1,652	153	196	772	806
Ohio	689	717	-3.9%	7	0	372	377	0	0	309	340
Wisconsin	1,668	1,666	0.1%	264	258	762	751	14	16	628	641
West North Central	2,212	2,169	2.0%	516	504	1,117	1,091	58	53	521	521
Iowa	159	151	5.5%	29	27	84	86	24	25	21	12
Kansas	56	57	-2.1%	0	0	56	57	0	0	0	0
Minnesota	1,860	1,838	1.2%	401	403	955	926	13	10	491	499
Missouri	71	54	31.6%	41	28	21	21	6	0	NM	5
Nebraska	61	63	-3.2%	45	46	0	0	16	17	0	0
North Dakota	NM	6	NM	0	0	0	0	0	0	NM	6
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15,956	15,342	4.0%	1,186	888	5,138	4,968	333	233	9,299	9,253
Delaware	61	105	-42.0%	0	0	61	105	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,378	4,330	1.1%	96	85	2,160	2,209	33	36	2,088	2,001
Georgia	3,598	3,276	9.8%	0	0	488	218	27	28	3,082	3,030
Maryland	535	554	-3.4%	0	0	370	378	39	35	127	141
North Carolina	2,568	2,564	0.2%	0	1	1,276	1,227	0	3	1,292	1,334
South Carolina	1,959	2,143	-8.6%	420	458	19	40	0	0	1,520	1,646
Virginia	2,845	2,358	20.6%	670	345	753	782	233	130	1,190	1,101
West Virginia	10	11	-1.0%	0	0	10	11	0	0	0	0
East South Central	6,087	5,395	12.8%	96	96	223	250	0	0	5,769	5,050
Alabama	3,249	2,777	17.0%	NM	1	198	190	0	0	3,049	2,586
Kentucky	327	333	-1.6%	94	95	0	0	0	0	234	238
Mississippi	1,509	1,509	0.0%	0	0	0	3	0	0	1,508	1,506
Tennessee	1,002	777	29.0%	0	0	25	57	0	0	977	720
West South Central	6,187	6,138	0.8%	0	0	792	815	40	41	5,355	5,282
Arkansas	1,654	1,660	-0.4%	0	0	90	65	NM	6	1,558	1,590
Louisiana	2,522	2,430	3.8%	0	0	61	60	0	0	2,462	2,370
Oklahoma	339	363	-6.6%	0	0	0	0	0	0	339	363
Texas	1,671	1,684	-0.8%	0	0	641	691	34	35	996	958
Mountain	803	911	-11.9%	26	36	385	475	NM	3	390	397
Arizona	144	211	-31.7%	24	26	118	181	NM	3	0	0
Colorado	61	58	5.8%	2	0	60	58	0	0	0	0
Idaho	526	549	-4.2%	0	10	136	143	0	0	390	397
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	19	-100.0%	0	0	0	19	0	0	0	0
New Mexico	14	14	-2.8%	0	0	14	14	0	0	0	0
Utah	57	60	-3.7%	0	0	57	60	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	9,287	8,757	6.1%	683	648	4,988	4,682	1,043	996	2,573	2,431
California	6,656	6,311	5.5%	220	231	4,621	4,328	1,019	974	796	779
Oregon	889	832	6.9%	65	67	277	271	24	22	523	472
Washington	1,742	1,614	7.9%	398	351	89	83	0	0	1,255	1,179
Pacific Noncontiguous	310	284	9.4%	29	22	0	0	183	153	99	109
Alaska	NM	3	NM	0	0	0	0	0	0	NM	3
Hawaii	309	281	9.8%	29	22	0	0	183	153	98	106
U.S. Total	59,894	57,622	3.9%	3,760	3,308	24,885	24,298	2,528	2,343	28,722	27,674

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 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	308	262	17.5%	26	25	283	238	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	9	7	23.1%	0	0	9	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	250	225	11.2%	0	0	250	225	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	48	31	57.3%	26	25	23	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,089	1,107	-1.6%	74	75	1,015	1,033	0	0	0	0
California	1,069	1,091	-2.0%	74	75	995	1,016	0	0	0	0
Oregon	20	16	23.2%	0	0	20	16	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	26	21	26.4%	0	0	26	21	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	26	21	26.4%	0	0	26	21	0	0	0	0
U.S. Total	1,424	1,390	2.4%	100	99	1,324	1,291	0	0	0	0

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 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	3,265	2,757	18.4%	251	269	3,014	2,488	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	103	75	37.4%	0	0	103	75	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,812	2,347	19.8%	0	0	2,812	2,347	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	348	335	4.0%	251	269	97	66	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	12,977	12,545	3.4%	754	875	12,223	11,670	0	0	0	0
California	12,813	12,519	2.3%	754	875	12,059	11,644	0	0	0	0
Oregon	165	26	541.9%	0	0	165	26	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	275	261	5.3%	0	0	275	261	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	275	261	5.3%	0	0	275	261	0	0	0	0
U.S. Total	16,517	15,562	6.1%	1,005	1,143	15,512	14,419	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	10	3	240.2%	NM	1	NM	2	0	0	0	0
Connecticut	NM	0	--	0	0	NM	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	NM	2	NM	NM	1	NM	2	0	0	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	36	18	94.4%	NM	2	27	15	NM	NM	NM	0
New Jersey	28	15	89.7%	NM	2	20	11	NM	NM	NM	0
New York	2	2	18.0%	0	0	2	2	0	0	0	0
Pennsylvania	NM	1	NM	0	0	NM	1	NM	0	NM	0
East North Central	13	5	175.2%	NM	NM	12	4	NM	0	0	0
Illinois	NM	2	NM	0	0	NM	2	0	0	0	0
Indiana	NM	NM	NM	0	0	NM	NM	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	NM	2	NM	NM	NM	NM	2	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	63	62	1.6%	9	9	47	53	7	0	0	0
Delaware	NM	1	NM	NM	0	NM	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11	10	8.4%	7	8	NM	2	NM	0	0	0
Georgia	4	NM	NM	0	0	4	NM	NM	0	0	0
Maryland	NM	3	NM	NM	NM	NM	2	NM	0	0	0
North Carolina	39	48	-17.7%	NM	0	33	47	6	0	0	0
South Carolina	NM	0	--	0	0	NM	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	NM	NM	0	0	NM	NM	NM	NM	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	NM	NM	0	0	NM	NM	NM	NM	0	0
West South Central	13	15	-11.6%	0	0	13	15	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	13	15	-11.6%	0	0	13	15	NM	0	0	0
Mountain	224	190	17.7%	18	27	203	159	NM	5	NM	0
Arizona	151	106	42.3%	13	21	137	84	NM	NM	0	0
Colorado	9	13	-33.6%	0	0	8	12	NM	1	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	45	34	31.9%	0	0	44	32	NM	2	NM	0
New Mexico	19	36	-48.8%	NM	5	14	31	0	0	0	0
Utah	NM	0	NM	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	375	54	601.2%	23	13	348	38	NM	2	NM	NM
California	374	53	602.9%	22	13	347	38	NM	2	NM	NM
Oregon	NM	0	NM	NM	0	NM	0	0	0	0	0
Washington	0	0	47.8%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	0	NM	0	0	NM	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	0	NM	0	0	NM	0	0	0	0	0
U.S. Total	737	349	111.5%	54	52	662	287	20	9	NM	NM

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	130	35	275.3%	13	9	116	25	NM	1	0	0
Connecticut	NM	0	--	0	0	NM	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	109	30	268.1%	13	9	95	20	NM	1	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	17	5	238.4%	0	0	17	5	0	0	0	0
Middle Atlantic	680	389	74.8%	58	41	510	303	102	37	11	8
New Jersey	546	304	79.3%	58	41	386	225	100	37	NM	1
New York	53	53	-0.4%	0	0	53	53	0	0	0	0
Pennsylvania	82	32	155.5%	0	0	71	26	NM	0	9	6
East North Central	139	67	105.7%	14	6	120	61	NM	0	0	0
Illinois	64	31	107.6%	0	0	64	31	0	0	0	0
Indiana	11	NM	NM	0	0	11	NM	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	64	37	73.8%	14	6	45	31	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	767	381	101.3%	192	168	537	209	38	5	0	0
Delaware	57	23	154.5%	NM	2	54	20	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	240	194	23.7%	170	159	68	34	NM	1	0	0
Georgia	11	3	273.4%	0	0	6	NM	NM	2	0	0
Maryland	80	22	257.3%	12	3	62	18	NM	1	0	0
North Carolina	379	139	171.4%	NM	4	348	135	24	1	0	0
South Carolina	NM	0	--	0	0	NM	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	33	12	173.0%	0	0	30	10	NM	NM	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	33	12	173.0%	0	0	30	10	NM	NM	0	0
West South Central	176	118	48.7%	0	0	173	118	NM	1	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	176	118	48.7%	0	0	173	118	NM	1	0	0
Mountain	3,406	1,930	76.5%	296	210	3,031	1,665	76	52	NM	3
Arizona	2,041	955	113.6%	230	162	1,793	789	19	4	0	0
Colorado	199	165	20.3%	0	0	178	150	21	16	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	749	473	58.2%	0	0	710	438	36	32	NM	3
New Mexico	414	334	23.9%	66	48	347	286	0	0	0	0
Utah	NM	2	NM	0	0	NM	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,888	1,390	179.8%	413	205	3,382	1,130	86	51	NM	4
California	3,865	1,382	179.6%	404	202	3,367	1,126	86	51	NM	4
Oregon	22	6	249.2%	NM	3	14	4	0	0	0	0
Washington	1	1	-4.0%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	29	5	537.7%	0	0	29	5	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	29	5	537.7%	0	0	29	5	0	0	0	0
U.S. Total	9,252	4,327	113.8%	987	639	7,931	3,525	313	148	21	14

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	825,734	615,467	205,295	307	4,665
2013	860,790	639,290	216,566	309	4,624
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	70,744	52,338	17,967	29	410
February	62,974	46,908	15,665	27	374
March	57,468	43,413	13,640	26	388
April	51,806	39,920	11,507	23	356
May	62,801	46,900	15,517	22	361
June	71,656	53,708	17,543	26	379
July	86,516	64,433	21,603	28	452
August	82,676	61,480	20,730	28	439
Sept	69,478	51,516	17,558	24	381
October	66,486	49,060	17,044	21	361
November	69,913	51,276	18,245	25	366
December	73,217	54,516	18,275	27	398
2013					
January	74,985	55,784	18,811	31	359
February	67,141	49,137	17,629	28	347
March	70,395	52,109	17,863	29	393
April	60,899	45,635	14,899	23	342
May	64,737	48,361	15,956	26	394
June	75,178	56,074	18,665	28	410
July	83,223	61,415	21,335	28	444
August	81,984	61,498	20,055	26	404
Sept	72,704	53,246	19,047	23	388
October	66,359	49,556	16,412	20	371
November	65,902	49,712	15,797	22	371
December	77,283	56,761	20,096	25	401
Year to Date					
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,790	639,290	216,566	309	4,624
Rolling 12 Months Ending in December					
2012	825,734	615,467	205,295	307	4,665
2013	860,790	639,290	216,566	309	4,624

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 2012 and prior years are final. Values for 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-December 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	19,333	0	2,790	1,143	15,400
2013	18,587	0	2,494	1,103	14,989
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	2,021	0	289	127	1,605
February	1,797	0	232	108	1,458
March	1,609	0	212	101	1,295
April	1,370	0	166	79	1,125
May	1,518	0	230	86	1,202
June	1,486	0	229	83	1,174
July	1,598	0	247	91	1,260
August	1,631	0	275	93	1,264
Sept	1,473	0	235	83	1,154
October	1,545	0	239	80	1,226
November	1,600	0	218	99	1,283
December	1,685	0	218	113	1,354
2013					
January	1,688	0	203	117	1,369
February	1,544	0	178	111	1,255
March	1,671	0	242	107	1,322
April	1,468	0	191	86	1,191
May	1,498	0	226	88	1,183
June	1,469	0	225	78	1,166
July	1,523	0	236	75	1,212
August	1,503	0	234	79	1,190
Sept	1,434	0	199	77	1,157
October	1,550	0	196	78	1,276
November	1,585	0	179	98	1,308
December	1,654	0	186	109	1,359
Year to Date					
2011	21,532	0	3,628	1,321	16,584
2012	19,333	0	2,790	1,143	15,400
2013	18,587	0	2,494	1,103	14,989
Rolling 12 Months Ending in December					
2012	19,333	0	2,790	1,143	15,400
2013	18,587	0	2,494	1,103	14,989

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 2012 and prior years are final. Values for 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-December 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	845,066	615,467	208,085	1,450	20,065
2013	879,377	639,290	219,061	1,412	19,613
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	72,764	52,338	18,256	155	2,015
February	64,771	46,908	15,897	135	1,832
March	59,077	43,413	13,852	128	1,684
April	53,176	39,920	11,673	102	1,481
May	64,319	46,900	15,748	108	1,563
June	73,142	53,708	17,772	109	1,553
July	88,115	64,433	21,850	120	1,712
August	84,307	61,480	21,004	120	1,703
Sept	70,951	51,516	17,793	107	1,535
October	68,030	49,060	17,283	101	1,587
November	71,512	51,276	18,464	124	1,649
December	74,901	54,516	18,493	141	1,751
2013					
January	76,673	55,784	19,014	148	1,728
February	68,685	49,137	17,807	139	1,601
March	72,066	52,109	18,105	136	1,716
April	62,367	45,635	15,090	108	1,533
May	66,235	48,361	16,183	114	1,577
June	76,646	56,074	18,890	105	1,576
July	84,745	61,415	21,571	103	1,656
August	83,487	61,498	20,290	105	1,594
Sept	74,138	53,246	19,247	100	1,545
October	67,909	49,556	16,608	98	1,647
November	67,487	49,712	15,976	120	1,679
December	78,938	56,761	20,282	134	1,760
Year to Date					
2011	956,470	689,316	243,168	1,668	22,319
2012	845,066	615,467	208,085	1,450	20,065
2013	879,377	639,290	219,061	1,412	19,613
Rolling 12 Months Ending in December					
2012	845,066	615,467	208,085	1,450	20,065
2013	879,377	639,290	219,061	1,412	19,613

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 2012 and prior years are final. Values for 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-December 2013 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	22,604	17,521	4,110	272	702
2013	22,751	16,429	5,515	305	501
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	1,933	1,495	317	28	93
February	1,544	1,245	218	18	64
March	1,629	1,360	188	16	65
April	1,612	1,339	204	17	52
May	1,864	1,441	341	25	57
June	2,320	1,733	519	24	44
July	2,683	2,032	568	32	51
August	2,014	1,597	338	27	52
Sept	1,591	1,279	242	18	51
October	1,722	1,372	265	21	64
November	1,648	1,282	294	23	48
December	2,045	1,345	617	23	60
2013					
January	2,814	1,735	967	NM	59
February	1,819	1,214	536	NM	39
March	1,582	1,275	251	14	42
April	1,598	1,266	273	17	41
May	1,749	1,348	332	19	49
June	1,675	1,281	338	NM	35
July	2,706	1,848	772	42	45
August	1,775	1,422	289	19	44
Sept	1,602	1,170	381	NM	35
October	1,494	1,202	243	14	34
November	1,583	1,249	282	16	36
December	2,353	1,417	852	NM	43
Year to Date					
2011	27,326	20,844	5,633	133	716
2012	22,604	17,521	4,110	272	702
2013	22,751	16,429	5,515	305	501
Rolling 12 Months Ending in December					
2012	22,604	17,521	4,110	272	702
2013	22,751	16,429	5,515	NM	501

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 2012 and prior years are final. Values for 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-December 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	3,097	0	992	122	1,984
2013	2,939	0	1,044	148	1,747
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	554	0	117	51	386
February	242	0	81	4	158
March	267	0	53	8	207
April	211	0	66	2	144
May	229	0	86	2	141
June	215	0	90	4	121
July	222	0	82	23	117
August	221	0	82	7	132
Sept	194	0	79	2	112
October	271	0	87	2	182
November	228	0	84	8	135
December	242	0	85	8	149
2013					
January	283	0	60	NM	199
February	256	0	79	NM	162
March	237	0	89	7	140
April	261	0	90	8	163
May	262	0	92	10	160
June	240	0	86	NM	144
July	254	0	90	18	146
August	245	0	90	9	146
Sept	207	0	94	NM	105
October	214	0	95	7	112
November	212	0	88	8	116
December	268	0	93	NM	155
Year to Date					
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	2,939	0	1,044	148	1,747
Rolling 12 Months Ending in December					
2012	3,097	0	992	122	1,984
2013	2,939	0	1,044	NM	1,747

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 2012 and prior years are final. Values for 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-December 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	25,702	17,521	5,102	394	2,685
2013	25,690	16,429	6,559	453	2,249
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	2,487	1,495	433	79	479
February	1,787	1,245	299	22	222
March	1,897	1,360	241	24	272
April	1,824	1,339	270	18	196
May	2,093	1,441	427	27	198
June	2,534	1,733	608	28	165
July	2,905	2,032	650	55	167
August	2,236	1,597	421	34	184
Sept	1,784	1,279	322	20	163
October	1,993	1,372	351	23	246
November	1,875	1,282	378	32	184
December	2,287	1,345	702	31	209
2013					
January	3,097	1,735	1,027	NM	258
February	2,075	1,214	615	NM	201
March	1,818	1,275	339	22	182
April	1,859	1,266	363	25	204
May	2,011	1,348	424	30	209
June	1,915	1,281	424	NM	179
July	2,961	1,848	862	60	191
August	2,020	1,422	379	28	190
Sept	1,810	1,170	474	NM	139
October	1,708	1,202	339	21	146
November	1,795	1,249	370	24	152
December	2,621	1,417	945	NM	198
Year to Date					
2011	31,152	20,844	6,637	301	3,370
2012	25,702	17,521	5,102	394	2,685
2013	25,690	16,429	6,559	453	2,249
Rolling 12 Months Ending in December					
2012	25,702	17,521	5,102	394	2,685
2013	25,690	16,429	6,559	NM	2,249

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 2012 and prior years are final. Values for 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-December 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	3,675	2,105	756	1	812
2013	4,893	3,409	798	1	684
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	476	297	92	0	87
February	363	230	77	0	56
March	226	107	61	0	58
April	212	120	37	0	55
May	255	150	51	0	55
June	280	169	53	0	58
July	307	182	62	0	63
August	338	170	87	0	80
Sept	314	180	61	0	73
October	280	156	64	0	60
November	314	175	55	0	84
December	308	170	56	0	82
2013					
January	382	253	70	0	59
February	313	220	64	0	29
March	371	236	69	0	65
April	347	217	64	0	67
May	475	361	43	0	72
June	481	348	64	0	70
July	480	337	73	0	71
August	495	332	94	0	69
Sept	452	326	62	0	65
October	408	289	67	0	52
November	309	217	61	0	30
December	378	272	69	0	36
Year to Date					
2011	5,012	3,449	1,277	1	286
2012	3,675	2,105	756	1	812
2013	4,893	3,409	798	1	684
Rolling 12 Months Ending in December					
2012	3,675	2,105	756	1	812
2013	4,893	3,409	798	1	684

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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-December 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	1,346	0	113	11	1,222
2013	1,144	0	109	11	1,024
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	128	0	11	1	116
February	108	0	11	1	96
March	108	0	10	1	97
April	87	0	9	0	78
May	91	0	11	0	80
June	100	0	6	0	94
July	118	0	9	1	108
August	133	0	10	1	122
Sept	116	0	9	1	105
October	117	0	9	1	107
November	122	0	9	1	112
December	118	0	10	1	107
2013					
January	143	0	10	2	131
February	127	0	9	1	117
March	105	0	10	1	94
April	104	0	10	0	93
May	51	0	9	0	42
June	57	0	6	0	50
July	70	0	9	0	61
August	67	0	10	1	56
Sept	68	0	8	1	59
October	109	0	10	1	98
November	111	0	9	1	101
December	132	0	9	1	122
Year to Date					
2011	1,080	0	112	6	962
2012	1,346	0	113	11	1,222
2013	1,144	0	109	11	1,024
Rolling 12 Months Ending in December					
2012	1,346	0	113	11	1,222
2013	1,144	0	109	11	1,024

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 2012 and prior years are final. Values for 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-December 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	5,021	2,105	869	13	2,034
2013	6,037	3,409	907	12	1,708
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	605	297	103	2	203
February	470	230	88	1	152
March	335	107	72	1	155
April	299	120	46	0	133
May	346	150	61	0	135
June	380	169	59	0	152
July	426	182	72	1	171
August	471	170	97	1	203
Sept	430	180	70	1	178
October	397	156	73	1	167
November	435	175	63	1	196
December	426	170	66	1	188
2013					
January	525	253	80	2	190
February	440	220	73	2	146
March	476	236	79	2	159
April	451	217	74	0	160
May	526	361	51	0	114
June	538	348	70	0	120
July	551	337	82	0	132
August	562	332	103	2	125
Sept	520	326	69	1	124
October	517	289	76	1	150
November	420	217	71	1	131
December	511	272	79	2	158
Year to Date					
2011	6,092	3,449	1,388	6	1,248
2012	5,021	2,105	869	13	2,034
2013	6,037	3,409	907	12	1,708
Rolling 12 Months Ending in December					
2012	5,021	2,105	869	13	2,034
2013	6,037	3,409	907	12	1,708

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 2012 and prior years are final. Values for 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-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,512,483	3,771,496	4,053,122	59,615	628,250
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	677,117	285,194	335,785	5,065	51,072
February	672,278	274,977	343,616	4,955	48,730
March	703,533	295,548	354,510	5,129	48,345
April	741,560	321,202	367,445	5,044	47,869
May	843,383	376,968	407,974	5,263	53,180
June	912,469	403,071	448,815	5,838	54,745
July	1,118,369	492,043	559,652	7,312	59,363
August	1,038,691	447,137	526,648	5,924	58,982
Sept	835,109	358,829	417,952	5,014	53,314
October	700,348	304,811	339,272	4,621	51,645
November	611,680	265,122	290,769	4,472	51,317
December	630,173	277,026	293,821	4,479	54,847
2013					
January	660,483	288,189	311,941	5,215	55,139
February	593,069	260,059	278,320	4,742	49,948
March	632,112	279,997	293,914	4,825	53,375
April	587,434	256,764	278,391	4,360	47,920
May	640,799	284,120	301,791	4,603	50,285
June	764,875	347,318	360,702	4,804	52,051
July	938,552	414,301	463,547	5,655	55,049
August	929,275	425,592	443,239	5,558	54,886
Sept	777,304	348,801	373,772	4,881	49,850
October	665,310	295,788	314,502	4,534	50,486
November	629,045	267,622	303,282	5,004	53,136
December	694,225	302,944	329,721	5,435	56,125
Year to Date					
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,512,483	3,771,496	4,053,122	59,615	628,250
Rolling 12 Months Ending in December					
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,512,483	3,771,496	4,053,122	59,615	628,250

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 2012 and prior years are final. Values for 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-December 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	886,103	0	322,607	47,883	515,613
2013	894,276	0	328,668	46,974	518,634
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	75,174	0	27,843	4,072	43,259
February	69,960	0	25,937	3,869	40,154
March	70,324	0	24,040	3,743	42,542
April	71,587	0	25,691	3,484	42,412
May	72,877	0	27,525	3,543	41,808
June	74,822	0	27,995	3,799	43,028
July	82,618	0	29,994	4,798	47,827
August	80,621	0	30,153	4,661	45,807
Sept	72,357	0	25,807	4,292	42,258
October	70,985	0	25,112	4,005	41,867
November	69,240	0	23,855	3,809	41,577
December	75,537	0	28,655	3,809	43,073
2013					
January	79,175	0	28,632	4,177	46,366
February	71,309	0	26,425	3,788	41,096
March	76,008	0	27,352	3,992	44,664
April	71,503	0	26,324	3,495	41,684
May	73,698	0	27,093	3,553	43,051
June	69,923	0	25,972	3,453	40,498
July	74,228	0	28,020	4,051	42,157
August	77,109	0	29,610	3,945	43,553
Sept	71,563	0	26,806	3,531	41,226
October	72,355	0	25,995	3,848	42,513
November	74,937	0	27,288	4,237	43,412
December	82,468	0	29,151	4,904	48,413
Year to Date					
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	894,276	0	328,668	46,974	518,634
Rolling 12 Months Ending in December					
2012	886,103	0	322,607	47,883	515,613
2013	894,276	0	328,668	46,974	518,634

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 2012 and prior years are final. Values for 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-December 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	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,406,758	3,771,496	4,381,789	106,589	1,146,884
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	752,291	285,194	363,628	9,137	94,331
February	742,237	274,977	369,553	8,824	88,883
March	773,857	295,548	378,550	8,872	90,887
April	813,147	321,202	393,136	8,528	90,281
May	916,260	376,968	435,499	8,806	94,988
June	987,291	403,071	476,810	9,637	97,774
July	1,200,988	492,043	589,645	12,110	107,190
August	1,119,312	447,137	556,802	10,585	104,789
Sept	907,466	358,829	443,759	9,306	95,572
October	771,333	304,811	364,384	8,626	93,512
November	680,920	265,122	314,624	8,281	92,894
December	705,710	277,026	322,476	8,288	97,920
2013					
January	739,658	288,189	340,572	9,392	101,505
February	664,377	260,059	304,745	8,530	91,044
March	708,120	279,997	321,266	8,817	98,039
April	658,937	256,764	304,715	7,855	89,604
May	714,497	284,120	328,884	8,156	93,336
June	834,799	347,318	386,674	8,257	92,549
July	1,012,781	414,301	491,567	9,706	97,206
August	1,006,384	425,592	472,850	9,504	98,439
Sept	848,867	348,801	400,578	8,411	91,076
October	737,665	295,788	340,497	8,381	92,998
November	703,981	267,622	330,570	9,241	96,549
December	776,693	302,944	358,872	10,339	104,538
Year to Date					
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,406,758	3,771,496	4,381,789	106,589	1,146,884
Rolling 12 Months Ending in December					
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,406,758	3,771,496	4,381,789	106,589	1,146,884

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

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2003-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	136,421	9,168	121,984	3,280	1,989
2004	143,844	11,250	125,848	4,081	2,665
2005	141,899	11,490	123,064	4,797	2,548
2006	160,033	16,617	136,108	6,644	664
2007	166,774	17,442	144,104	4,598	630
2008	195,777	20,465	169,547	5,235	530
2009	206,792	19,583	180,689	5,931	589
2010	218,331	19,975	192,428	5,535	393
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	298,196	31,047	236,004	27,895	3,250
2011					
January	18,885	1,725	14,677	2,454	30
February	17,636	1,598	13,612	2,400	26
March	19,016	1,703	14,660	2,626	28
April	17,861	1,677	13,752	2,402	30
May	18,908	1,728	14,628	2,518	33
June	19,707	1,755	15,382	2,535	35
July	20,419	1,841	15,878	2,667	33
August	20,779	1,965	16,090	2,687	37
Sept	19,319	1,730	15,116	2,440	33
October	19,291	2,137	14,995	2,126	32
November	20,227	2,107	15,817	2,267	36
December	20,747	2,120	16,249	2,347	32
2012					
January	21,454	1,889	16,999	2,352	214
February	19,337	1,833	15,100	2,200	205
March	20,905	1,976	16,543	2,177	208
April	20,015	2,064	15,557	2,184	210
May	21,031	2,214	16,427	2,177	213
June	20,722	2,082	16,315	2,120	206
July	22,294	2,282	17,649	2,141	221
August	22,490	2,316	17,672	2,293	210
Sept	21,151	2,055	16,702	2,208	185
October	22,392	2,264	17,625	2,292	211
November	21,528	2,102	16,887	2,317	223
December	23,056	2,115	18,488	2,213	240
2013					
January	24,990	2,584	19,376	2,716	NM
February	21,769	2,232	17,024	2,234	NM
March	24,822	2,492	19,513	2,527	NM
April	22,833	2,393	18,395	1,793	251
May	25,017	2,693	20,025	2,069	NM
June	25,727	2,720	20,512	2,242	253
July	25,753	2,642	20,601	2,257	NM
August	25,255	2,678	20,060	2,270	NM
Sept	24,971	2,661	19,840	2,228	NM
October	25,321	2,631	19,887	2,513	290
November	24,535	2,529	19,307	2,406	293
December	27,202	2,791	21,463	2,639	NM
Year to Date					
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	298,196	31,047	236,004	27,895	3,250
Rolling 12 Months Ending in December					
2012	256,376	25,193	201,965	26,672	2,545
2013	298,196	31,047	236,004	27,895	NM

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

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2003-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	993	0	116	0	876
2004	2,174	0	735	10	1,429
2005	1,923	0	965	435	522
2006	2,051	0	525	1,094	433
2007	1,988	0	386	1,102	501
2008	1,025	0	454	433	138
2009	793	0	545	176	72
2010	1,623	0	1,195	370	58
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	4,793	0	4,172	493	129
2011					
January	312	0	276	29	7
February	280	0	246	28	6
March	274	0	237	31	6
April	239	0	203	29	7
May	238	0	200	30	8
June	246	0	209	29	8
July	252	0	217	28	8
August	282	0	245	28	9
Sept	281	0	244	30	8
October	307	0	266	33	8
November	171	0	132	30	8
December	313	0	279	26	7
2012					
January	307	0	272	31	4
February	292	0	258	29	4
March	243	0	209	30	5
April	254	0	221	28	5
May	265	0	230	29	5
June	212	0	179	28	5
July	295	0	260	29	6
August	260	0	229	25	6
Sept	285	0	256	24	5
October	299	0	265	28	6
November	186	0	149	32	5
December	291	0	260	27	5
2013					
January	574	0	503	55	NM
February	447	0	389	46	NM
March	558	0	496	46	NM
April	300	0	261	37	2
May	327	0	287	31	NM
June	340	0	293	34	13
July	342	0	295	36	NM
August	335	0	289	35	NM
Sept	303	0	262	32	NM
October	415	0	361	44	10
November	385	0	330	47	8
December	468	0	406	50	NM
Year to Date					
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	4,793	0	4,172	493	129
Rolling 12 Months Ending in December					
2012	3,189	0	2,788	340	61
2013	4,793	0	4,172	493	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2012 and prior years are final. Values for 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.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	137,414	9,168	122,100	3,280	2,865
2004	146,018	11,250	126,584	4,091	4,093
2005	143,822	11,490	124,030	5,232	3,070
2006	162,084	16,617	136,632	7,738	1,096
2007	168,762	17,442	144,490	5,699	1,131
2008	196,802	20,465	170,001	5,668	668
2009	207,585	19,583	181,234	6,106	661
2010	219,954	19,975	193,623	5,905	451
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	302,989	31,047	240,176	28,388	3,378
2011					
January	19,197	1,725	14,952	2,483	37
February	17,916	1,598	13,858	2,428	32
March	19,290	1,703	14,897	2,656	34
April	18,100	1,677	13,954	2,431	37
May	19,146	1,728	14,829	2,548	41
June	19,954	1,755	15,592	2,564	43
July	20,672	1,841	16,095	2,695	40
August	21,061	1,965	16,335	2,715	46
Sept	19,600	1,730	15,360	2,470	41
October	19,597	2,137	15,261	2,159	40
November	20,398	2,107	15,949	2,298	45
December	21,060	2,120	16,527	2,374	39
2012					
January	21,761	1,889	17,271	2,382	218
February	19,629	1,833	15,358	2,229	209
March	21,149	1,976	16,752	2,207	213
April	20,269	2,064	15,777	2,212	216
May	21,295	2,214	16,658	2,206	218
June	20,934	2,082	16,494	2,147	211
July	22,588	2,282	17,909	2,170	227
August	22,750	2,316	17,901	2,317	216
Sept	21,436	2,055	16,958	2,232	190
October	22,691	2,264	17,890	2,320	217
November	21,714	2,102	17,036	2,349	227
December	23,347	2,115	18,747	2,240	245
2013					
January	25,565	2,584	19,879	2,771	NM
February	22,216	2,232	17,413	2,280	NM
March	25,379	2,492	20,010	2,573	NM
April	23,134	2,393	18,656	1,831	254
May	25,344	2,693	20,312	2,100	NM
June	26,067	2,720	20,806	2,276	265
July	26,095	2,642	20,896	2,292	NM
August	25,590	2,678	20,349	2,305	NM
Sept	25,274	2,661	20,102	2,260	NM
October	25,736	2,631	20,248	2,557	300
November	24,920	2,529	19,637	2,452	301
December	27,670	2,791	21,869	2,689	NM
Year to Date					
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	302,989	31,047	240,176	28,388	3,378
Rolling 12 Months Ending in December					
2012	259,564	25,193	204,753	27,012	2,606
2013	302,989	31,047	240,176	28,388	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2003-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	21,196	695	18,300	2,087	115
2004	19,587	444	17,308	1,811	24
2005	19,370	560	17,033	1,753	25
2006	19,629	500	17,343	1,761	25
2007	19,576	553	17,116	1,785	122
2008	19,805	509	17,487	1,809	0
2009	19,669	465	17,048	2,155	0
2010	19,437	402	16,802	2,233	0
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	15,876	456	13,191	2,220	9
2011					
January	1,282	26	1,100	156	0
February	1,206	23	1,046	136	0
March	1,412	29	1,229	154	0
April	1,387	31	1,201	156	0
May	1,440	36	1,227	177	0
June	1,482	38	1,274	170	0
July	1,514	36	1,305	173	1
August	1,481	37	1,274	170	1
Sept	1,429	36	1,226	166	1
October	1,445	34	1,241	169	1
November	1,422	30	1,226	165	1
December	1,472	31	1,275	164	1
2012					
January	1,361	30	1,147	183	1
February	1,274	27	1,067	179	1
March	1,380	36	1,151	192	0
April	1,362	38	1,134	189	1
May	1,485	41	1,235	207	1
June	1,473	37	1,238	196	1
July	1,519	35	1,284	199	1
August	1,468	40	1,232	195	1
Sept	1,389	30	1,161	197	1
October	1,407	38	1,174	194	1
November	1,398	34	1,180	182	1
December	1,454	31	1,231	190	1
2013					
January	1,240	32	1,037	170	NM
February	1,126	30	927	168	1
March	1,321	31	1,094	195	NM
April	1,286	43	1,060	182	1
May	1,379	43	1,156	179	NM
June	1,402	40	1,175	186	0
July	1,432	44	1,195	193	0
August	1,349	40	1,119	189	NM
Sept	1,304	38	1,082	183	0
October	1,307	41	1,076	189	1
November	1,254	40	1,028	186	1
December	1,477	35	1,242	199	1
Year to Date					
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	15,876	456	13,191	2,220	9
Rolling 12 Months Ending in December					
2012	16,968	418	14,235	2,304	12
2013	15,876	456	13,191	2,220	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2003-December 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	1,358	0	311	865	182
2004	2,743	0	651	1,628	464
2005	2,719	0	623	1,536	560
2006	2,840	0	725	1,595	520
2007	2,219	0	768	1,136	315
2008	2,328	0	806	1,514	8
2009	2,426	0	823	1,466	137
2010	2,287	0	819	1,316	152
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,985	0	617	1,200	168
2011					
January	158	0	73	79	6
February	146	0	62	78	6
March	167	0	68	86	12
April	146	0	48	86	12
May	175	0	69	92	13
June	177	0	63	101	12
July	167	0	60	95	12
August	185	0	58	110	17
Sept	180	0	62	102	16
October	174	0	61	96	18
November	187	0	56	114	17
December	181	0	61	107	13
2012					
January	162	0	42	105	15
February	154	0	40	98	15
March	176	0	61	100	15
April	163	0	43	104	17
May	163	0	39	106	18
June	158	0	39	102	16
July	168	0	40	113	15
August	173	0	42	115	16
Sept	166	0	46	104	16
October	177	0	46	114	17
November	156	0	44	98	14
December	170	0	41	114	15
2013					
January	181	0	53	113	NM
February	166	0	49	104	14
March	170	0	56	100	NM
April	169	0	49	107	14
May	146	0	38	95	NM
June	173	0	55	103	15
July	171	0	53	103	14
August	158	0	51	93	NM
Sept	153	0	46	93	13
October	167	0	55	97	15
November	156	0	54	88	14
December	175	0	58	103	15
Year to Date					
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,985	0	617	1,200	168
Rolling 12 Months Ending in December					
2012	1,986	0	522	1,273	190
2013	1,985	0	617	1,200	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-December 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	22,554	695	18,611	2,952	296
2004	22,330	444	17,959	3,439	488
2005	22,089	560	17,655	3,289	584
2006	22,469	500	18,068	3,356	545
2007	21,796	553	17,885	2,921	437
2008	22,134	509	18,294	3,323	8
2009	22,095	465	17,872	3,622	137
2010	21,725	402	17,621	3,549	152
2011	19,016	388	15,367	3,103	158
2012	18,954	418	14,757	3,577	203
2013	17,862	456	13,808	3,420	177
2011					
January	1,441	26	1,173	235	6
February	1,352	23	1,108	214	6
March	1,579	29	1,298	240	12
April	1,534	31	1,248	242	12
May	1,615	36	1,296	270	13
June	1,659	38	1,338	271	12
July	1,681	36	1,365	268	13
August	1,667	37	1,332	279	18
Sept	1,609	36	1,288	268	16
October	1,619	34	1,302	265	18
November	1,609	30	1,283	279	17
December	1,653	31	1,336	272	14
2012					
January	1,523	30	1,189	288	16
February	1,427	27	1,106	278	16
March	1,557	36	1,212	293	15
April	1,525	38	1,177	293	18
May	1,648	41	1,274	313	20
June	1,631	37	1,277	299	18
July	1,688	35	1,325	311	16
August	1,641	40	1,274	310	17
Sept	1,555	30	1,207	301	18
October	1,583	38	1,220	308	18
November	1,554	34	1,224	280	15
December	1,623	31	1,272	304	16
2013					
January	1,421	32	1,090	284	NM
February	1,292	30	976	271	15
March	1,491	31	1,150	295	NM
April	1,455	43	1,109	289	15
May	1,526	43	1,195	275	NM
June	1,575	40	1,230	289	15
July	1,603	44	1,248	297	15
August	1,507	40	1,171	282	NM
Sept	1,456	38	1,129	276	14
October	1,474	41	1,131	286	16
November	1,410	40	1,082	274	15
December	1,652	35	1,300	302	16
Year to Date					
2011	19,016	388	15,367	3,103	158
2012	18,954	418	14,757	3,577	203
2013	17,862	456	13,808	3,420	177
Rolling 12 Months Ending in December					
2012	18,954	418	14,757	3,577	203
2013	17,862	456	13,808	3,420	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	536	295	82.0%	108	105	427	189	0	0	2	1
Connecticut	122	38	217.0%	0	0	122	38	0	0	0	0
Maine	2	1	64.0%	0	0	1	1	0	0	1	1
Massachusetts	304	150	102.0%	0	0	304	149	0	0	1	1
New Hampshire	108	105	2.8%	108	105	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	3,971	3,777	5.1%	NM	0	3,942	3,756	1	0	28	20
New Jersey	69	45	55.0%	0	0	69	45	0	0	0	0
New York	278	180	55.0%	NM	0	271	174	0	0	6	5
Pennsylvania	3,624	3,553	2.0%	0	0	3,602	3,537	1	0	21	15
East North Central	18,355	16,480	11.0%	12,987	11,650	5,265	4,730	5	8	98	92
Illinois	4,964	4,563	8.8%	570	586	4,337	3,920	2	3	56	53
Indiana	4,348	4,226	2.9%	4,077	3,980	267	241	3	3	1	1
Michigan	2,800	2,676	4.6%	2,761	2,644	23	19	0	1	16	11
Ohio	3,866	3,368	15.0%	3,218	2,809	639	550	NM	0	8	10
Wisconsin	2,377	1,647	44.0%	2,360	1,630	0	0	NM	0	17	17
West North Central	12,592	12,658	-0.5%	12,438	12,493	0	0	7	7	147	159
Iowa	1,940	1,975	-1.7%	1,853	1,895	0	0	4	3	83	76
Kansas	1,632	1,619	0.8%	1,632	1,619	0	0	0	0	0	0
Minnesota	1,488	1,526	-2.5%	1,458	1,490	0	0	0	1	30	35
Missouri	3,835	3,907	-1.8%	3,830	3,901	0	0	2	3	3	3
Nebraska	1,485	1,429	3.9%	1,461	1,392	0	0	0	0	24	38
North Dakota	2,039	2,004	1.8%	2,031	1,996	0	0	0	0	7	7
South Dakota	175	199	-12.0%	175	199	0	0	0	0	0	0
South Atlantic	10,078	9,071	11.0%	8,382	7,359	1,636	1,659	4	2	57	51
Delaware	58	47	23.0%	0	0	58	47	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,646	1,460	13.0%	1,619	1,454	23	0	0	0	NM	5
Georgia	2,003	1,267	58.0%	1,995	1,255	0	0	0	0	9	12
Maryland	606	558	8.7%	0	0	601	553	NM	1	3	4
North Carolina	1,348	1,527	-12.0%	1,289	1,463	53	58	2	1	5	5
South Carolina	857	919	-6.8%	851	914	0	0	0	0	6	5
Virginia	919	541	70.0%	867	512	44	18	NM	0	9	10
West Virginia	2,641	2,754	-4.1%	1,761	1,760	858	984	0	0	22	10
East South Central	7,185	7,577	-5.2%	6,880	7,198	278	355	NM	0	26	24
Alabama	1,959	1,976	-0.9%	1,954	1,970	0	2	0	0	5	4
Kentucky	3,581	3,492	2.5%	3,581	3,492	0	0	0	0	0	0
Mississippi	507	455	11.0%	229	102	278	353	0	0	0	0
Tennessee	1,138	1,653	-31.0%	1,116	1,634	0	0	NM	0	21	19
West South Central	14,043	12,622	11.0%	6,997	6,605	7,032	5,998	0	0	15	19
Arkansas	1,782	1,509	18.0%	1,507	1,287	274	220	0	0	1	3
Louisiana	1,088	1,427	-24.0%	458	885	630	543	0	0	0	0
Oklahoma	1,753	1,537	14.0%	1,597	1,374	142	147	0	0	14	16
Texas	9,420	8,149	16.0%	3,435	3,060	5,985	5,089	0	0	0	0
Mountain	9,616	9,985	-3.7%	8,724	8,882	871	1,081	0	0	21	22
Arizona	2,041	1,984	2.9%	2,041	1,984	0	0	0	0	0	0
Colorado	1,690	1,763	-4.1%	1,687	1,760	NM	3	0	0	NM	1
Idaho	2	3	-36.0%	0	0	0	0	0	0	2	3
Montana	741	963	-23.0%	NM	25	717	937	0	0	NM	1
Nevada	276	252	9.6%	198	188	78	64	0	0	0	0
New Mexico	982	1,317	-25.0%	982	1,317	0	0	0	0	0	0
Utah	1,430	1,270	13.0%	1,397	1,230	NM	40	0	0	0	0
Wyoming	2,453	2,435	0.8%	2,395	2,379	NM	37	0	0	18	19
Pacific Contiguous	797	637	25.0%	228	207	562	422	0	0	7	7
California	11	28	-59.0%	0	0	NM	22	0	0	6	6
Oregon	228	207	9.8%	228	207	0	0	0	0	0	0
Washington	558	401	39.0%	0	0	557	400	0	0	1	1
Pacific Noncontiguous	112	115	-3.0%	18	18	83	85	9	10	NM	3
Alaska	46	48	-3.4%	18	18	19	21	9	10	0	0
Hawaii	65	67	-2.8%	0	0	64	64	0	0	NM	3
U.S. Total	77,283	73,217	5.6%	56,761	54,516	20,096	18,275	25	27	401	398

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 for 2013 are preliminary. Values for 2012 are final. 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 Coal for Electricity Generation by State, by Sector, Year-to-Date through December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	2,808	1,787	57.0%	616	520	2,178	1,257	0	0	14	10
Connecticut	419	297	41.0%	0	0	419	297	0	0	0	0
Maine	15	11	33.0%	0	0	7	6	0	0	8	5
Massachusetts	1,758	959	83.0%	0	0	1,752	954	0	0	6	5
New Hampshire	616	520	19.0%	616	520	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	44,048	44,000	0.1%	NM	6	43,780	43,734	6	4	251	256
New Jersey	854	833	2.5%	0	0	854	833	0	0	0	0
New York	2,341	2,158	8.5%	NM	6	2,262	2,083	0	0	69	70
Pennsylvania	40,853	41,009	-0.4%	0	0	40,664	40,819	6	4	182	186
East North Central	195,859	182,280	7.4%	138,770	128,058	55,927	53,050	83	97	1,078	1,076
Illinois	52,645	49,162	7.1%	6,261	6,377	45,735	42,132	23	30	627	623
Indiana	46,575	46,587	0.0%	43,781	43,475	2,745	3,062	35	36	14	14
Michigan	31,961	29,796	7.3%	31,561	29,449	215	212	22	28	162	107
Ohio	40,770	37,242	9.5%	33,458	29,475	7,233	7,645	2	2	78	121
Wisconsin	23,907	19,494	23.0%	23,709	19,283	0	0	1	1	197	210
West North Central	138,704	135,575	2.3%	137,044	133,859	0	0	80	64	1,579	1,651
Iowa	20,545	21,638	-5.1%	19,610	20,747	0	0	51	43	884	848
Kansas	18,902	17,759	6.4%	18,902	17,759	0	0	0	0	0	0
Minnesota	13,952	13,704	1.8%	13,626	13,384	0	0	0	1	326	319
Missouri	44,639	42,386	5.3%	44,576	42,340	0	0	29	21	33	26
Nebraska	16,051	15,274	5.1%	15,796	14,884	0	0	0	0	255	390
North Dakota	22,683	22,862	-0.8%	22,602	22,795	0	0	0	0	81	68
South Dakota	1,931	1,950	-1.0%	1,931	1,950	0	0	0	0	0	0
South Atlantic	117,822	116,543	1.1%	96,949	96,679	20,227	19,242	35	31	611	591
Delaware	733	677	8.4%	0	0	733	677	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	20,682	19,699	5.0%	20,087	19,080	548	567	0	0	47	52
Georgia	20,739	20,985	-1.2%	20,634	20,836	0	0	0	0	106	149
Maryland	6,828	6,981	-2.2%	0	0	6,770	6,919	21	19	37	43
North Carolina	19,056	20,761	-8.2%	18,318	20,040	677	661	9	8	51	52
South Carolina	10,036	11,706	-14.0%	9,973	11,622	0	17	0	0	62	67
Virginia	9,650	6,213	55.0%	9,049	5,634	485	451	5	4	111	124
West Virginia	30,098	29,521	2.0%	18,888	19,468	11,014	9,950	0	0	196	103
East South Central	86,780	84,979	2.1%	83,306	81,613	3,169	3,081	6	4	299	281
Alabama	24,435	23,056	6.0%	24,383	22,993	0	15	0	0	52	47
Kentucky	39,520	38,978	1.4%	39,520	38,978	0	0	0	0	0	0
Mississippi	5,867	5,240	12.0%	2,698	2,175	3,169	3,066	0	0	0	0
Tennessee	16,959	17,705	-4.2%	16,706	17,466	0	0	6	4	247	234
West South Central	154,035	147,598	4.4%	78,913	76,768	74,920	70,624	0	0	201	207
Arkansas	18,787	17,048	10.0%	16,454	14,571	2,312	2,451	0	0	22	25
Louisiana	13,789	14,747	-6.5%	6,769	8,106	7,018	6,640	0	0	NM	0
Oklahoma	18,972	18,499	2.6%	17,596	17,115	1,198	1,201	0	0	178	182
Texas	102,487	97,305	5.3%	38,095	36,974	64,392	60,331	0	0	0	0
Mountain	112,534	107,089	5.1%	101,313	96,176	10,732	10,421	0	0	489	493
Arizona	23,298	21,519	8.3%	23,298	21,461	0	0	0	0	0	58
Colorado	18,833	19,025	-1.0%	18,793	18,983	35	36	0	0	5	5
Idaho	17	18	-2.4%	0	0	0	0	0	0	17	18
Montana	9,392	9,064	3.6%	254	248	9,130	8,809	0	0	9	7
Nevada	2,933	2,258	30.0%	2,188	1,630	745	628	0	0	0	0
New Mexico	14,270	14,452	-1.3%	14,270	14,452	0	0	0	0	0	0
Utah	15,825	14,304	11.0%	15,188	13,639	368	445	0	0	269	220
Wyoming	27,966	26,449	5.7%	27,323	25,763	454	502	0	0	189	184
Pacific Contiguous	7,009	4,596	53.0%	2,183	1,583	4,744	2,930	0	0	83	83
California	388	502	-23.0%	0	0	315	428	0	0	73	74
Oregon	2,183	1,583	38.0%	2,183	1,583	0	0	0	0	0	0
Washington	4,438	2,511	77.0%	0	0	4,429	2,502	0	0	10	9
Pacific Noncontiguous	1,192	1,287	-7.4%	185	206	889	958	99	105	18	17
Alaska	493	530	-7.0%	185	206	209	219	99	105	0	0
Hawaii	699	757	-7.7%	0	0	680	739	0	0	18	17
U.S. Total	860,790	825,734	4.2%	639,290	615,467	216,566	205,295	309	307	4,624	4,665

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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 Petroleum Liquids for Electricity Generation by State, by Sector, December 2013 and December 2012 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	517	37	NM	42	3	461	28	NM	4	NM	2
Connecticut	135	11	NM	NM	0	133	10	NM	0	NM	0
Maine	88	14	542.0%	NM	0	85	13	NM	0	NM	0
Massachusetts	NM	10	NM	20	1	NM	5	NM	2	NM	2
New Hampshire	NM	1	NM	20	1	37	0	NM	0	NM	0
Rhode Island	NM	1	NM	0	1	12	0	NM	0	0	0
Vermont	NM	1	NM	NM	0	0	0	NM	1	0	0
Middle Atlantic	NM	73	NM	53	8	NM	58	NM	1	NM	7
New Jersey	NM	2	NM	NM	0	NM	1	NM	0	NM	0
New York	87	28	207.0%	52	7	NM	14	NM	0	NM	6
Pennsylvania	NM	43	NM	NM	0	NM	42	NM	0	NM	0
East North Central	96	107	-9.8%	83	91	NM	15	NM	0	NM	1
Illinois	8	10	-18.0%	5	4	3	6	NM	0	NM	0
Indiana	27	17	61.0%	26	16	NM	0	NM	0	1	1
Michigan	25	18	34.0%	24	18	0	0	0	0	1	0
Ohio	31	58	-46.0%	23	49	8	9	NM	0	NM	0
Wisconsin	NM	4	NM	NM	4	NM	0	NM	0	NM	0
West North Central	96	49	95.0%	92	49	4	0	NM	0	NM	0
Iowa	37	19	88.0%	36	19	NM	0	NM	0	NM	0
Kansas	17	8	124.0%	17	8	0	0	0	0	0	0
Minnesota	NM	1	NM	10	1	4	0	NM	0	NM	0
Missouri	NM	16	NM	NM	16	NM	0	NM	0	0	0
Nebraska	4	1	227.0%	4	1	0	0	0	0	0	0
North Dakota	7	3	147.0%	7	3	0	0	NM	0	NM	0
South Dakota	NM	1	NM	NM	1	NM	0	NM	0	0	0
South Atlantic	268	137	96.0%	148	91	85	18	NM	16	9	12
Delaware	NM	2	NM	0	0	NM	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	65	29	124.0%	63	26	NM	1	0	0	NM	2
Georgia	12	11	9.7%	9	4	NM	1	NM	0	3	5
Maryland	NM	27	NM	NM	1	74	10	NM	16	0	0
North Carolina	32	19	69.0%	31	17	NM	1	NM	0	NM	1
South Carolina	10	11	-9.1%	8	10	0	0	NM	0	2	1
Virginia	16	16	2.5%	10	11	5	3	NM	0	NM	2
West Virginia	28	21	30.0%	25	21	3	0	0	0	0	0
East South Central	91	68	34.0%	87	62	NM	0	NM	0	NM	5
Alabama	NM	21	NM	9	16	NM	0	0	0	NM	5
Kentucky	29	23	24.0%	29	23	0	0	0	0	0	0
Mississippi	NM	1	NM	NM	1	0	0	0	0	0	0
Tennessee	47	22	116.0%	47	22	0	0	NM	0	NM	0
West South Central	51	35	48.0%	15	12	35	21	NM	0	NM	1
Arkansas	9	7	29.0%	8	4	1	3	0	0	0	0
Louisiana	8	14	-45.0%	1	4	5	8	0	0	1	1
Oklahoma	3	1	184.0%	3	1	0	0	NM	0	0	0
Texas	32	13	145.0%	2	2	29	10	NM	0	NM	0
Mountain	35	41	-15.0%	32	37	NM	3	NM	0	NM	0
Arizona	4	4	19.0%	4	4	0	0	NM	0	0	0
Colorado	NM	5	NM	NM	5	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	NM	2	NM	NM	0	NM	2	0	0	0	0
Nevada	3	4	-25.0%	3	3	0	1	0	0	0	0
New Mexico	14	12	9.8%	14	12	NM	0	0	0	NM	0
Utah	NM	6	NM	2	6	NM	0	0	0	NM	0
Wyoming	7	7	-2.6%	7	7	0	0	0	0	NM	0
Pacific Contiguous	NM	14	NM	NM	7	3	4	NM	0	3	3
California	NM	7	NM	4	5	NM	2	NM	0	NM	0
Oregon	NM	1	NM	1	1	0	0	NM	0	0	0
Washington	NM	6	NM	NM	1	1	2	NM	0	2	3
Pacific Noncontiguous	1,002	1,486	-33.0%	859	986	NM	469	NM	3	NM	28
Alaska	113	191	-41.0%	110	180	0	0	NM	2	2	9
Hawaii	889	1,294	-31.0%	749	806	NM	469	0	0	NM	19
U.S. Total	2,353	2,045	15.0%	1,417	1,345	852	617	NM	23	43	60

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	1,935	891	117.0%	294	119	1,523	650	82	80	36	41
Connecticut	556	259	114.0%	6	8	543	247	NM	0	NM	4
Maine	446	197	127.0%	NM	0	424	176	NM	6	15	14
Massachusetts	652	325	101.0%	123	30	477	226	37	46	15	22
New Hampshire	190	58	230.0%	134	46	41	0	15	11	NM	0
Rhode Island	61	31	98.0%	20	29	38	0	NM	1	0	0
Vermont	NM	22	NM	10	6	0	0	NM	15	0	0
Middle Atlantic	2,518	1,720	46.0%	888	642	1,533	986	NM	22	78	71
New Jersey	169	77	119.0%	NM	9	159	67	NM	1	NM	1
New York	1,689	1,053	60.0%	881	633	724	338	NM	17	72	65
Pennsylvania	660	590	12.0%	NM	0	650	582	NM	4	NM	4
East North Central	1,184	1,262	-6.2%	948	1,058	212	182	NM	3	20	18
Illinois	141	137	2.9%	54	49	87	88	NM	0	NM	0
Indiana	257	217	18.0%	247	208	NM	0	NM	1	10	8
Michigan	266	281	-5.5%	258	273	0	0	2	2	6	6
Ohio	445	526	-15.0%	321	433	121	90	NM	0	NM	3
Wisconsin	74	100	-26.0%	69	95	4	4	NM	0	1	1
West North Central	646	634	1.8%	632	617	9	11	NM	2	3	3
Iowa	188	204	-7.9%	184	199	3	4	NM	0	NM	0
Kansas	113	78	44.0%	113	78	0	0	0	0	0	0
Minnesota	70	62	13.0%	62	53	5	6	NM	2	2	2
Missouri	143	163	-12.0%	143	163	NM	0	NM	0	0	0
Nebraska	47	43	9.3%	47	43	0	0	0	0	0	0
North Dakota	65	66	-1.0%	64	64	0	0	NM	0	1	1
South Dakota	20	18	13.0%	19	17	NM	1	NM	0	0	0
South Atlantic	3,031	3,416	-11.0%	2,227	2,539	500	535	181	149	122	194
Delaware	44	46	-3.2%	NM	1	43	44	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	890	1,262	-29.0%	849	1,206	NM	20	0	0	31	36
Georgia	173	232	-25.0%	127	126	NM	3	2	3	41	99
Maryland	504	409	23.0%	12	15	312	243	178	143	1	7
North Carolina	398	352	13.0%	376	330	13	10	NM	0	9	12
South Carolina	208	216	-4.0%	188	196	0	4	NM	0	20	16
Virginia	545	624	-13.0%	409	417	115	182	1	2	20	23
West Virginia	270	250	7.8%	265	249	5	2	0	0	0	0
East South Central	671	757	-11.0%	612	691	2	4	NM	0	57	62
Alabama	162	198	-18.0%	107	138	2	4	0	0	53	57
Kentucky	232	232	-0.2%	232	232	0	0	0	0	0	0
Mississippi	25	29	-13.0%	23	26	0	0	0	0	3	3
Tennessee	252	297	-15.0%	251	295	0	0	NM	0	NM	2
West South Central	486	415	17.0%	255	126	205	268	NM	1	25	20
Arkansas	192	56	240.0%	164	32	26	23	0	0	1	2
Louisiana	95	73	30.0%	24	23	50	35	0	0	21	16
Oklahoma	19	22	-12.0%	19	21	0	0	NM	0	NM	1
Texas	180	264	-32.0%	48	51	129	210	NM	1	NM	2
Mountain	402	433	-7.3%	361	382	37	45	0	0	4	6
Arizona	80	77	4.0%	80	76	0	0	NM	0	0	1
Colorado	25	31	-21.0%	24	31	1	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	28	31	-11.0%	NM	0	28	31	0	0	0	0
Nevada	35	41	-15.0%	28	30	6	11	0	0	0	0
New Mexico	102	88	17.0%	102	86	NM	1	0	0	NM	0
Utah	57	71	-19.0%	55	67	NM	2	0	0	NM	2
Wyoming	75	95	-21.0%	72	92	0	0	0	0	3	3
Pacific Contiguous	148	166	-11.0%	76	85	31	47	NM	2	39	33
California	86	97	-12.0%	59	61	NM	32	NM	1	10	3
Oregon	NM	12	NM	10	12	0	0	NM	0	0	0
Washington	52	57	-8.3%	NM	12	15	15	NM	0	29	30
Pacific Noncontiguous	11,730	12,910	-9.1%	10,134	11,261	1,464	1,382	15	12	118	254
Alaska	1,220	1,710	-29.0%	1,144	1,615	0	0	9	9	66	86
Hawaii	10,511	11,200	-6.2%	8,990	9,646	1,464	1,382	5	4	52	168
U.S. Total	22,751	22,604	0.6%	16,429	17,521	5,515	4,110	305	272	501	702

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

Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 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	5	NM	0	0	0	0	0	0	NM	5
New Jersey	NM	1	NM	0	0	0	0	0	0	NM	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	4	NM	0	0	0	0	0	0	NM	4
East North Central	145	44	229.0%	88	0	52	39	0	0	6	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	43	0	NM	43	0	0	0	0	0	0	0
Michigan	45	4	NM	39	0	3	3	0	0	3	1
Ohio	49	36	35.0%	0	0	49	36	0	0	0	0
Wisconsin	8	4	90.0%	5	0	0	0	0	0	3	4
West North Central	0	0	17.0%	0	0	0	0	0	0	0	0
Iowa	0	0	17.0%	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	29	7	322.0%	26	3	0	0	0	0	3	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	26	3	691.0%	26	3	0	0	0	0	0	0
Georgia	3	4	-13.0%	0	0	0	0	0	0	3	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	43	57	-24.0%	43	57	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	43	57	-24.0%	43	57	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	139	178	-22.0%	116	110	1	0	0	0	22	68
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	123	117	5.6%	116	110	0	0	0	0	8	7
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	16	61	-74.0%	0	0	1	0	0	0	14	61
Mountain	16	16	-0.3%	0	0	16	16	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	16	-0.3%	0	0	16	16	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	378	308	23.0%	272	170	69	56	0	0	36	82

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Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 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	76	56	35.0%	0	0	0	0	0	0	76	56
New Jersey	NM	11	NM	0	0	0	0	0	0	NM	11
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	51	46	11.0%	0	0	0	0	0	0	51	46
East North Central	1,091	801	36.0%	464	236	552	502	0	0	75	64
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	343	204	68.0%	343	204	0	0	0	0	0	0
Michigan	151	53	186.0%	91	0	32	34	0	0	29	19
Ohio	523	468	12.0%	0	0	520	468	0	0	3	0
Wisconsin	74	76	-2.4%	31	31	0	0	0	0	43	45
West North Central	1	6	-78.0%	0	5	0	0	1	1	0	0
Iowa	1	6	-78.0%	0	5	0	0	1	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	793	298	166.0%	757	246	0	0	0	0	36	52
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	757	246	208.0%	757	246	0	0	0	0	0	0
Georgia	36	52	-31.0%	0	0	0	0	0	0	36	52
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	499	542	-7.9%	499	542	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	499	542	-7.9%	499	542	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	2,232	1,741	28.0%	1,689	1,076	47	25	0	0	497	640
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,815	1,155	57.0%	1,689	1,076	0	0	0	0	126	79
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	418	586	-29.0%	0	0	47	25	0	0	371	561
Mountain	172	172	0.1%	0	0	172	172	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	172	172	0.1%	0	0	172	172	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	28	58	-52.0%	0	0	28	58	0	0	0	0
California	28	58	-52.0%	0	0	28	58	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	4,893	3,675	33.0%	3,409	2,105	798	756	1	1	684	812

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 for 2013 are preliminary. Values for 2012 are final. 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 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, December 2013 and December 2012 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	24,059	28,479	-16.0%	127	95	21,416	25,939	769	734	1,746	1,710
Connecticut	8,385	9,904	-15.0%	29	3	7,802	9,322	NM	347	NM	232
Maine	3,834	2,939	30.0%	0	0	2,382	1,532	NM	19	1,426	1,388
Massachusetts	7,158	8,562	-16.0%	93	88	6,610	8,073	358	319	NM	81
New Hampshire	2,435	3,507	-31.0%	0	0	2,412	3,488	NM	9	NM	9
Rhode Island	2,242	3,563	-37.0%	0	0	2,210	3,524	NM	38	0	0
Vermont	4	4	2.0%	4	4	0	0	0	0	0	0
Middle Atlantic	80,781	75,856	6.5%	9,861	10,000	69,367	64,337	752	701	801	818
New Jersey	16,789	11,304	49.0%	0	26	16,358	10,896	NM	70	314	311
New York	35,015	34,460	1.6%	9,861	9,972	24,448	23,806	543	537	162	145
Pennsylvania	28,977	30,092	-3.7%	0	2	28,560	29,634	NM	94	324	362
East North Central	35,860	31,546	14.0%	13,522	12,316	19,996	17,675	1,358	720	984	835
Illinois	2,919	2,577	13.0%	173	107	1,816	1,974	772	416	159	80
Indiana	6,285	6,422	-2.1%	4,661	4,541	1,391	1,666	NM	30	209	186
Michigan	8,641	4,888	77.0%	2,121	1,114	5,799	3,113	264	205	457	455
Ohio	13,590	12,936	5.1%	4,075	3,704	9,183	9,137	NM	51	NM	44
Wisconsin	4,425	4,723	-6.3%	2,492	2,850	1,808	1,785	NM	18	NM	70
West North Central	12,521	8,702	44.0%	11,274	7,798	918	580	NM	237	138	87
Iowa	1,412	1,119	26.0%	1,378	1,087	NM	0	NM	2	NM	31
Kansas	1,512	636	138.0%	1,482	622	0	0	0	0	30	14
Minnesota	5,077	4,849	4.7%	4,107	4,162	757	418	NM	234	NM	36
Missouri	3,158	1,869	69.0%	2,969	1,703	161	162	28	2	NM	2
Nebraska	NM	55	NM	NM	55	0	0	NM	0	NM	0
North Dakota	NM	5	NM	NM	0	0	0	0	0	NM	5
South Dakota	1,027	169	509.0%	1,027	169	0	0	0	0	0	0
South Atlantic	134,047	147,850	-9.3%	109,607	113,867	22,059	31,709	NM	150	2,098	2,124
Delaware	3,181	4,036	-21.0%	0	6	2,534	3,402	0	0	647	627
District of Columbia	NM	78	NM	0	0	0	0	NM	78	0	0
Florida	71,934	84,293	-15.0%	68,371	71,702	2,768	11,799	NM	12	785	780
Georgia	18,704	25,794	-27.0%	16,566	17,215	1,802	8,076	0	0	336	503
Maryland	2,469	1,284	92.0%	0	0	2,263	1,202	NM	53	NM	29
North Carolina	19,028	11,635	64.0%	12,975	9,732	5,994	1,857	7	7	52	39
South Carolina	5,574	7,395	-25.0%	5,018	6,842	457	491	0	0	100	62
Virginia	12,924	13,292	-2.8%	6,645	8,369	6,136	4,839	0	0	143	83
West Virginia	141	43	225.0%	32	0	104	42	0	0	NM	1
East South Central	50,018	57,338	-13.0%	30,097	32,806	17,601	22,311	NM	124	2,188	2,096
Alabama	27,688	31,901	-13.0%	10,129	10,929	16,876	20,227	0	0	682	745
Kentucky	719	643	12.0%	503	600	48	5	0	0	168	38
Mississippi	19,213	19,625	-2.1%	17,209	16,245	677	2,079	NM	7	1,318	1,295
Tennessee	2,398	5,169	-54.0%	2,256	5,032	0	0	NM	118	19	19
West South Central	192,876	163,903	18.0%	56,068	46,902	95,994	76,995	424	420	40,391	39,586
Arkansas	6,386	5,186	23.0%	1,780	1,042	4,417	4,024	NM	0	188	119
Louisiana	40,134	38,971	3.0%	14,699	16,832	7,721	4,585	NM	20	17,691	17,534
Oklahoma	21,777	14,935	46.0%	16,626	12,170	5,091	2,730	NM	0	60	35
Texas	124,580	104,811	19.0%	22,963	16,858	78,764	65,656	401	400	22,452	21,898
Mountain	57,344	38,449	49.0%	32,709	24,971	23,203	12,138	281	181	1,151	1,159
Arizona	17,414	7,088	146.0%	6,363	3,610	10,958	3,445	92	34	0	0
Colorado	8,781	5,539	59.0%	4,706	3,224	4,045	2,301	10	0	NM	14
Idaho	3,230	685	372.0%	1,838	167	1,324	443	0	0	67	75
Montana	NM	316	NM	NM	303	NM	13	0	0	0	0
Nevada	14,690	15,303	-4.0%	10,930	11,159	3,676	3,901	NM	52	NM	192
New Mexico	6,386	5,111	25.0%	4,009	3,343	2,305	1,709	NM	59	0	0
Utah	5,991	4,073	47.0%	4,345	3,133	841	308	NM	36	757	595
Wyoming	354	333	6.4%	NM	32	NM	18	0	0	282	283
Pacific Contiguous	103,687	75,012	38.0%	36,696	25,282	59,167	42,136	1,243	1,211	6,580	6,383
California	81,121	66,795	21.0%	23,100	22,228	50,338	37,211	1,201	1,116	6,481	6,241
Oregon	12,545	5,877	113.0%	5,208	1,186	7,235	4,508	NM	94	65	89
Washington	10,021	2,340	328.0%	8,387	1,868	1,594	417	NM	2	34	53
Pacific Noncontiguous	3,034	3,037	-0.1%	2,983	2,989	0	0	NM	0	NM	48
Alaska	3,034	3,037	-0.1%	2,983	2,989	0	0	NM	0	NM	48
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	694,225	630,173	10.0%	302,944	277,026	329,721	293,821	5,435	4,479	56,125	54,847

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	386,048	460,887	-16.0%	2,585	3,652	355,581	428,781	8,479	8,630	19,403	19,824
Connecticut	112,627	120,380	-6.4%	114	69	106,140	113,620	3,821	3,952	2,552	2,739
Maine	36,720	44,424	-17.0%	0	0	20,880	28,456	NM	307	15,550	15,662
Massachusetts	159,772	184,330	-13.0%	2,072	2,792	152,731	176,497	3,795	3,749	1,174	1,293
New Hampshire	29,900	50,678	-41.0%	355	754	29,289	49,655	NM	139	NM	131
Rhode Island	46,985	61,037	-23.0%	0	0	46,541	60,553	444	483	0	0
Vermont	44	38	16.0%	44	38	0	0	0	0	0	0
Middle Atlantic	997,221	1,096,021	-9.0%	123,181	131,110	857,011	946,544	8,004	8,003	9,024	10,364
New Jersey	209,216	219,175	-4.5%	NM	320	204,205	213,482	1,320	1,380	3,486	3,993
New York	437,733	491,430	-11.0%	122,959	130,766	307,441	353,376	5,613	5,443	1,721	1,845
Pennsylvania	350,272	385,415	-9.1%	NM	24	345,366	379,686	1,071	1,180	3,817	4,525
East North Central	459,398	638,823	-28.0%	169,930	232,311	264,879	379,014	13,968	14,395	10,621	13,103
Illinois	58,361	95,068	-39.0%	5,302	12,659	43,107	72,451	7,950	7,729	2,001	2,228
Indiana	75,487	113,236	-33.0%	52,252	85,667	20,257	24,183	292	318	2,687	3,068
Michigan	100,886	169,806	-41.0%	27,117	41,177	66,627	119,531	2,634	2,874	4,508	6,224
Ohio	162,218	173,754	-6.6%	51,822	45,449	106,634	124,273	2,910	3,159	852	872
Wisconsin	62,447	86,961	-28.0%	33,437	47,358	28,253	38,576	181	315	575	711
West North Central	138,828	170,587	-19.0%	119,082	144,889	16,032	20,583	1,921	3,050	1,793	2,066
Iowa	13,963	17,124	-18.0%	13,700	16,508	NM	0	43	55	NM	560
Kansas	25,160	33,262	-24.0%	24,484	32,520	0	0	0	0	676	742
Minnesota	52,170	58,725	-11.0%	41,995	47,262	8,480	9,074	1,083	1,901	613	488
Missouri	37,258	51,047	-27.0%	28,906	38,436	7,551	11,508	791	1,090	NM	13
Nebraska	5,268	7,867	-33.0%	5,080	7,696	0	0	NM	4	NM	167
North Dakota	99	97	2.2%	NM	1	0	0	0	0	93	97
South Dakota	4,911	2,465	99.0%	4,911	2,465	0	0	0	0	0	0
South Atlantic	1,866,319	2,027,116	-7.9%	1,491,461	1,556,238	345,361	444,508	3,088	3,250	26,409	23,120
Delaware	49,766	60,033	-17.0%	NM	87	39,730	53,163	0	0	9,978	6,783
District of Columbia	989	1,019	-3.0%	0	0	0	0	989	1,019	0	0
Florida	1,035,191	1,143,253	-9.5%	956,535	1,036,033	69,355	97,848	165	166	9,135	9,207
Georgia	284,204	311,419	-8.7%	216,086	182,391	63,905	125,140	0	0	4,214	3,888
Maryland	25,938	51,189	-49.0%	0	0	23,680	48,313	1,897	2,023	361	852
North Carolina	201,652	151,311	33.0%	133,598	127,498	67,403	23,368	33	42	617	403
South Carolina	93,631	116,711	-20.0%	79,612	98,325	13,143	17,592	NM	0	871	794
Virginia	172,061	189,760	-9.3%	105,088	111,469	65,808	77,159	0	0	1,165	1,132
West Virginia	2,887	2,421	19.0%	484	435	2,337	1,925	0	0	67	62
East South Central	643,603	813,127	-21.0%	365,395	439,019	251,362	346,672	1,444	1,454	25,401	25,982
Alabama	341,064	409,036	-17.0%	108,685	114,320	223,715	285,876	0	0	8,664	8,840
Kentucky	16,374	33,068	-50.0%	12,420	27,707	2,186	3,487	0	0	1,769	1,874
Mississippi	249,088	306,475	-19.0%	208,750	234,031	25,461	57,309	101	103	14,776	15,031
Tennessee	37,077	64,548	-43.0%	35,540	62,961	0	0	1,343	1,351	193	236
West South Central	2,319,878	2,572,269	-9.8%	721,230	824,116	1,142,995	1,293,055	5,849	6,077	449,804	449,020
Arkansas	89,086	123,878	-28.0%	26,924	24,399	60,560	98,125	NM	7	1,596	1,348
Louisiana	452,640	498,772	-9.2%	187,141	225,881	70,731	79,084	246	255	194,522	193,552
Oklahoma	248,724	318,424	-22.0%	189,176	232,526	58,855	85,234	86	60	607	605
Texas	1,529,427	1,631,194	-6.2%	317,989	341,311	952,849	1,030,613	5,510	5,755	253,079	253,516
Mountain	638,657	654,440	-2.4%	377,473	394,561	245,094	242,649	3,069	3,086	13,022	14,144
Arizona	207,254	229,825	-9.8%	87,523	111,256	118,666	117,416	1,065	1,115	0	38
Colorado	87,473	84,984	2.9%	48,599	48,631	38,625	36,116	52	28	196	210
Idaho	24,782	13,685	81.0%	12,436	4,394	11,892	8,827	0	0	454	464
Montana	4,906	5,370	-8.6%	4,646	5,145	NM	224	0	0	0	0
Nevada	180,409	188,769	-4.4%	134,675	136,828	43,126	48,990	661	629	1,947	2,322
New Mexico	73,492	72,592	1.2%	48,543	48,015	24,135	23,734	812	839	2	4
Utah	56,907	55,880	1.8%	40,629	39,975	8,183	7,163	480	476	7,616	8,266
Wyoming	3,434	3,335	3.0%	NM	317	NM	179	0	0	2,807	2,840
Pacific Contiguous	1,028,626	1,011,056	1.7%	367,737	336,272	574,807	584,454	13,774	15,153	72,308	75,178
California	848,155	889,837	-4.7%	262,861	276,436	500,672	524,909	13,340	14,552	71,282	73,940
Oregon	101,667	81,995	24.0%	36,452	27,956	64,191	52,659	415	570	608	810
Washington	78,804	39,224	101.0%	68,424	31,880	9,943	6,885	20	31	417	428
Pacific Noncontiguous	33,904	40,383	-16.0%	33,421	39,758	0	0	NM	18	464	606
Alaska	33,904	40,383	-16.0%	33,421	39,758	0	0	NM	18	464	606
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	8,512,483	9,484,710	-10.0%	3,771,496	4,101,927	4,053,122	4,686,260	59,615	63,116	628,250	633,407

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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 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, December 2013 and December 2012 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	1,134	787	44.0%	0	0	1,067	744	NM	43	0	0
Connecticut	NM	47	NM	0	0	NM	47	0	0	0	0
Maine	NM	41	NM	0	0	NM	41	0	0	0	0
Massachusetts	NM	296	NM	0	0	NM	296	0	0	0	0
New Hampshire	NM	149	NM	0	0	NM	105	NM	43	0	0
Rhode Island	NM	198	NM	0	0	NM	198	0	0	0	0
Vermont	NM	56	NM	0	0	NM	56	0	0	0	0
Middle Atlantic	5,221	4,424	18.0%	0	0	5,188	4,398	NM	26	0	0
New Jersey	1,154	769	50.0%	0	0	1,154	769	0	0	0	0
New York	1,714	1,388	24.0%	0	0	1,714	1,388	0	0	0	0
Pennsylvania	2,352	2,268	3.7%	0	0	2,320	2,242	NM	26	0	0
East North Central	6,276	5,040	25.0%	713	516	5,498	4,483	NM	17	NM	24
Illinois	1,805	1,128	60.0%	0	0	1,805	1,128	0	0	0	0
Indiana	706	524	35.0%	669	500	0	0	0	0	NM	24
Michigan	2,003	1,518	32.0%	0	0	2,003	1,518	0	0	0	0
Ohio	NM	858	NM	NM	0	NM	858	0	0	0	0
Wisconsin	1,463	1,012	45.0%	NM	16	1,413	979	NM	17	0	0
West North Central	1,130	719	57.0%	NM	235	796	484	0	0	0	0
Iowa	NM	135	NM	0	0	NM	135	0	0	0	0
Kansas	NM	96	NM	0	0	NM	96	0	0	0	0
Minnesota	NM	283	NM	NM	66	NM	218	0	0	0	0
Missouri	NM	118	NM	NM	82	NM	36	0	0	0	0
Nebraska	NM	87	NM	NM	87	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	4,307	4,444	-3.1%	529	458	3,228	3,510	NM	260	NM	216
Delaware	NM	137	NM	0	0	NM	137	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	698	762	-8.5%	183	166	515	597	0	0	0	0
Georgia	NM	442	NM	0	0	NM	371	NM	71	0	0
Maryland	NM	357	NM	0	0	NM	205	NM	152	0	0
North Carolina	674	1,069	-37.0%	0	0	674	1,056	0	13	0	0
South Carolina	657	529	24.0%	NM	284	NM	28	0	0	NM	216
Virginia	1,388	1,123	24.0%	0	8	1,357	1,092	NM	23	0	0
West Virginia	NM	25	NM	0	0	NM	25	0	0	0	0
East South Central	NM	294	NM	NM	162	NM	131	0	0	0	0
Alabama	NM	15	NM	0	0	NM	15	0	0	0	0
Kentucky	NM	162	NM	NM	162	0	0	0	0	0	0
Mississippi	0	13	-100.0%	0	0	0	13	0	0	0	0
Tennessee	NM	103	NM	0	0	NM	103	0	0	0	0
West South Central	1,815	1,770	2.5%	0	0	1,731	1,693	NM	78	0	0
Arkansas	NM	128	NM	0	0	NM	128	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	1,665	1,642	1.4%	0	0	1,581	1,564	NM	78	0	0
Mountain	NM	410	NM	NM	87	NM	324	0	0	0	0
Arizona	NM	140	NM	NM	64	NM	77	0	0	0	0
Colorado	NM	50	NM	0	0	NM	50	0	0	0	0
Idaho	NM	69	NM	0	23	NM	46	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	42	-100.0%	0	0	0	42	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	110	NM	0	0	NM	110	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,526	5,167	26.0%	841	658	3,535	2,720	2,150	1,790	0	0
California	5,583	4,569	22.0%	276	328	3,217	2,497	2,090	1,745	0	0
Oregon	519	374	39.0%	NM	122	NM	207	NM	45	0	0
Washington	NM	224	NM	NM	208	NM	16	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	27,202	23,056	18.0%	2,791	2,115	21,463	18,488	2,639	2,213	NM	240

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	11,797	9,595	23.0%	0	0	11,135	9,074	661	520	0	0
Connecticut	778	595	31.0%	0	0	778	595	0	0	0	0
Maine	679	518	31.0%	0	0	679	518	0	0	0	0
Massachusetts	4,428	3,603	23.0%	0	0	4,428	3,603	0	0	0	0
New Hampshire	2,266	1,790	27.0%	0	0	1,605	1,270	661	520	0	0
Rhode Island	2,929	2,409	22.0%	0	0	2,929	2,409	0	0	0	0
Vermont	716	679	5.4%	0	0	716	679	0	0	0	0
Middle Atlantic	56,866	51,169	11.0%	0	0	56,524	50,867	NM	302	0	0
New Jersey	12,100	9,691	25.0%	0	0	12,100	9,691	0	0	0	0
New York	19,490	16,418	19.0%	0	0	19,490	16,418	0	0	0	0
Pennsylvania	25,276	25,060	0.9%	0	0	24,934	24,758	NM	302	0	0
East North Central	76,920	63,904	20.0%	8,881	6,497	67,403	56,893	NM	210	365	303
Illinois	19,403	16,204	20.0%	0	0	19,403	16,204	0	0	0	0
Indiana	8,787	6,601	33.0%	8,422	6,297	0	0	0	0	365	303
Michigan	20,900	18,536	13.0%	0	0	20,900	18,536	0	0	0	0
Ohio	11,756	9,784	20.0%	232	0	11,524	9,784	0	0	0	0
Wisconsin	16,075	12,780	26.0%	227	200	15,576	12,369	NM	210	0	0
West North Central	11,779	9,301	27.0%	3,468	2,903	8,311	6,398	0	0	0	0
Iowa	2,611	2,021	29.0%	0	0	2,611	2,021	0	0	0	0
Kansas	1,581	1,205	31.0%	0	0	1,581	1,205	0	0	0	0
Minnesota	4,332	3,489	24.0%	814	768	3,518	2,720	0	0	0	0
Missouri	1,815	1,488	22.0%	1,214	1,037	601	452	0	0	0	0
Nebraska	1,440	1,098	31.0%	1,440	1,098	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	45,141	41,593	8.5%	5,572	4,763	33,731	32,235	2,953	2,353	2,885	2,242
Delaware	1,715	2,426	-29.0%	0	0	1,715	2,426	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7,387	7,839	-5.8%	1,961	1,718	5,426	6,122	0	0	0	0
Georgia	3,515	2,924	20.0%	0	0	2,911	2,452	604	472	0	0
Maryland	3,821	3,374	13.0%	0	0	1,788	1,797	2,034	1,577	0	0
North Carolina	7,065	6,497	8.7%	0	0	7,065	6,461	0	36	0	0
South Carolina	6,904	5,490	26.0%	3,611	2,953	408	295	0	0	2,885	2,242
Virginia	14,439	12,779	13.0%	0	92	14,124	12,420	NM	267	0	0
West Virginia	294	262	12.0%	0	0	294	262	0	0	0	0
East South Central	4,040	3,898	3.6%	2,976	2,398	1,064	1,500	0	0	0	0
Alabama	281	226	24.0%	0	0	281	226	0	0	0	0
Kentucky	2,976	2,398	24.0%	2,976	2,398	0	0	0	0	0	0
Mississippi	0	48	-100.0%	0	0	0	48	0	0	0	0
Tennessee	783	1,226	-36.0%	0	0	783	1,226	0	0	0	0
West South Central	18,862	15,086	25.0%	0	0	18,063	14,429	799	657	0	0
Arkansas	1,565	1,193	31.0%	0	0	1,565	1,193	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17,297	13,893	24.0%	0	0	16,498	13,237	799	657	0	0
Mountain	4,233	4,328	-2.2%	920	948	3,312	3,380	0	0	0	0
Arizona	1,410	1,367	3.2%	920	728	490	639	0	0	0	0
Colorado	702	565	24.0%	0	0	702	565	0	0	0	0
Idaho	568	741	-23.0%	0	220	568	521	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	402	-100.0%	0	0	0	402	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,552	1,253	24.0%	0	0	1,552	1,253	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	68,559	57,502	19.0%	9,229	7,684	36,463	27,187	22,867	22,630	0	0
California	58,726	50,347	17.0%	3,338	3,549	33,145	24,663	22,244	22,134	0	0
Oregon	5,411	4,165	30.0%	1,744	1,360	3,045	2,309	623	496	0	0
Washington	4,421	2,990	48.0%	4,147	2,775	273	215	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	298,196	256,376	16.0%	31,047	25,193	236,004	201,965	27,895	26,672	3,250	2,545

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

Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	326	337	-3.0%	0	0	310	321	17	15	0	0
Connecticut	113	117	-3.4%	0	0	113	117	0	0	0	0
Maine	25	33	-23.0%	0	0	NM	18	17	15	0	0
Massachusetts	174	172	0.8%	0	0	174	172	0	0	0	0
New Hampshire	NM	14	NM	0	0	NM	14	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	453	472	-4.0%	0	0	358	369	96	103	0	0
New Jersey	120	119	1.2%	0	0	89	88	31	30	0	0
New York	170	181	-5.6%	0	0	129	132	42	48	0	0
Pennsylvania	163	173	-5.9%	0	0	139	148	23	25	0	0
East North Central	19	22	-16.0%	3	3	0	0	16	19	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-7.5%	0	0	0	0	1	1	0	0
Michigan	15	19	-17.0%	0	0	0	0	15	19	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-12.0%	3	3	0	0	0	0	0	0
West North Central	53	51	4.0%	32	28	19	21	NM	2	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	53	51	4.0%	32	28	19	21	NM	2	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	522	479	9.1%	0	0	488	447	34	32	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	376	325	16.0%	0	0	376	325	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	59	70	-16.0%	0	0	59	70	NM	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	88	84	4.2%	0	0	54	52	34	32	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	1	1	-15.0%	0	0	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	1	-15.0%	0	0	0	0	0	0	1	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	0	NM	0	0	NM	0	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	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	NM	0	NM	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	67	73	-7.5%	0	0	67	73	0	0	0	0
California	44	48	-8.2%	0	0	44	48	0	0	0	0
Oregon	NM	11	NM	0	0	NM	11	0	0	0	0
Washington	NM	13	NM	0	0	NM	13	0	0	0	0
Pacific Noncontiguous	35	18	89.0%	0	0	0	0	35	18	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	35	18	89.0%	0	0	0	0	35	18	0	0
U.S. Total	1,477	1,454	1.6%	35	31	1,242	1,231	199	190	1	1

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

Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through December 2013 and December 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	3,671	4,041	-9.1%	0	0	3,491	3,838	180	203	0	0
Connecticut	1,331	1,415	-5.9%	0	0	1,331	1,415	0	0	0	0
Maine	273	440	-38.0%	0	0	93	237	180	203	0	0
Massachusetts	1,921	2,017	-4.8%	0	0	1,921	2,017	0	0	0	0
New Hampshire	146	169	-13.0%	0	0	146	169	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	5,029	5,512	-8.8%	0	0	3,964	4,315	1,065	1,198	0	0
New Jersey	1,304	1,367	-4.6%	0	0	959	1,015	345	351	0	0
New York	1,877	2,077	-9.6%	0	0	1,425	1,505	453	572	0	0
Pennsylvania	1,848	2,069	-11.0%	0	0	1,580	1,795	268	274	0	0
East North Central	235	272	-13.0%	34	37	0	0	201	234	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	11	12	-13.0%	0	0	0	0	11	12	0	0
Michigan	190	222	-14.0%	0	0	0	0	190	222	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	34	37	-8.6%	34	37	0	0	0	0	0	0
West North Central	638	630	1.3%	422	380	200	229	16	21	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	638	630	1.3%	422	380	200	229	16	21	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	5,180	5,429	-4.6%	0	0	4,801	5,041	379	388	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	3,411	3,654	-6.7%	0	0	3,411	3,654	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	768	737	4.2%	0	0	768	737	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	1,001	1,038	-3.5%	0	0	622	650	379	388	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	9	12	-29.0%	0	0	0	0	0	0	9	12
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	9	12	-29.0%	0	0	0	0	0	0	9	12
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	3	3	-7.0%	0	0	3	3	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	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	3	3	-7.0%	0	0	3	3	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	733	810	-9.5%	0	0	733	810	0	0	0	0
California	489	515	-5.1%	0	0	489	515	0	0	0	0
Oregon	92	120	-23.0%	0	0	92	120	0	0	0	0
Washington	152	175	-13.0%	0	0	152	175	0	0	0	0
Pacific Noncontiguous	379	260	46.0%	0	0	0	0	379	260	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	379	260	46.0%	0	0	0	0	379	260	0	0
U.S. Total	15,876	16,968	-6.4%	456	418	13,191	14,235	2,220	2,304	9	12

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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 - December 2013

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum 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	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,973	31,045	390	120,888	21,906	303	27,085	9,139	86
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	180,091	34,660	409	144,615	25,518	324	35,476	9,142	85
February	186,866	34,431	374	150,246	25,311	293	36,620	9,119	81
March	195,380	34,552	453	157,444	25,463	351	37,935	9,089	102
April	202,265	34,375	457	161,926	25,356	332	40,339	9,019	125
May	203,137	33,973	406	162,992	25,046	270	40,146	8,926	136
June	197,924	33,747	458	158,366	24,964	287	39,558	8,783	171
July	183,958	33,502	406	148,517	24,947	216	35,442	8,555	190
August	178,537	32,619	336	144,975	24,297	198	33,562	8,322	139
Sept	182,020	32,316	353	147,916	24,175	267	34,104	8,141	86
October	186,396	32,182	406	151,418	24,078	339	34,978	8,104	67
November	188,291	32,045	416	152,864	23,982	346	35,428	8,062	70
December	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013, End of Month Stocks									
January	178,747	31,163	442	145,522	23,229	358	33,224	7,934	84
February	175,325	30,880	442	143,950	22,863	362	31,375	8,016	80
March	171,518	31,678	406	141,849	23,459	323	29,669	8,219	83
April	172,654	31,052	455	142,970	22,945	387	29,684	8,107	68
May	176,670	30,894	442	144,709	22,813	348	31,961	8,081	95
June	170,534	30,626	407	139,574	22,586	303	30,960	8,040	105
July	159,536	29,924	394	131,879	22,094	279	27,658	7,829	115
August	154,119	30,328	260	127,058	22,231	183	27,061	8,097	77
Sept	152,185	30,215	309	125,368	21,707	191	26,817	8,509	118
October	153,352	30,487	291	125,321	21,734	214	28,031	8,752	77
November	155,754	31,170	338	126,278	21,773	250	29,477	9,397	87
December	147,973	31,045	390	120,888	21,906	303	27,085	9,139	86

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

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	December 2013	December 2012	Percentage Change	December 2013	December 2012	Percentage Change	December 2013	December 2012	Percentage Change
New England	1,046	1,030	1.6%	4,024	2,483	62.0%	0	0	--
Connecticut	W	W	W	1,480	1,300	14.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,591	837	90.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	37	51	-27.0%	0	0	--
Middle Atlantic	6,209	7,553	-18.0%	4,613	5,496	-16.0%	W	W	W
New Jersey	1,045	926	13.0%	788	1,084	-27.0%	0	0	--
New York	353	556	-36.0%	3,162	3,498	-9.6%	0	0	--
Pennsylvania	4,811	6,070	-21.0%	663	914	-27.0%	W	W	W
East North Central	28,225	36,139	-22.0%	1,211	1,223	-1.0%	86	56	54.0%
Illinois	6,294	8,931	-30.0%	95	118	-19.0%	0	0	--
Indiana	8,015	9,127	-12.0%	182	117	56.0%	0	0	--
Michigan	6,097	6,729	-9.4%	403	439	-8.3%	W	W	W
Ohio	4,430	6,340	-30.0%	313	316	-1.1%	W	W	W
Wisconsin	3,390	5,012	-32.0%	219	234	-6.1%	W	W	W
West North Central	22,876	30,554	-25.0%	985	1,052	-6.4%	0	0	--
Iowa	6,744	8,580	-21.0%	142	152	-6.5%	0	0	--
Kansas	3,168	3,741	-15.0%	164	165	-0.7%	0	0	--
Minnesota	W	2,691	W	145	168	-14.0%	0	0	--
Missouri	7,160	10,230	-30.0%	297	316	-6.0%	0	0	--
Nebraska	2,530	3,321	-24.0%	123	132	-6.5%	0	0	--
North Dakota	983	W	W	42	36	15.0%	0	0	--
South Dakota	W	W	W	71	83	-14.0%	0	0	--
South Atlantic	32,261	38,859	-17.0%	12,640	13,603	-7.1%	W	W	W
Delaware	W	W	W	360	392	-8.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	W	W	W	6,443	7,128	-9.6%	W	W	W
Georgia	7,992	9,970	-20.0%	895	908	-1.5%	0	0	--
Maryland	1,327	1,544	-14.0%	703	826	-15.0%	0	0	--
North Carolina	W	7,164	W	1,130	1,110	1.8%	0	0	--
South Carolina	5,115	W	W	606	650	-6.7%	0	W	W
Virginia	W	2,118	W	2,331	2,440	-4.5%	0	0	--
West Virginia	5,410	5,643	-4.1%	172	150	15.0%	W	W	W
East South Central	16,864	19,657	-14.0%	1,969	1,928	2.1%	W	W	W
Alabama	4,272	6,123	-30.0%	301	279	8.0%	0	0	--
Kentucky	7,963	8,417	-5.4%	258	257	0.2%	W	W	W
Mississippi	1,427	1,964	-27.0%	588	559	5.2%	0	0	--
Tennessee	3,203	3,153	1.6%	821	832	-1.3%	0	0	--
West South Central	23,391	28,807	-19.0%	2,299	2,548	-9.8%	W	W	W
Arkansas	3,253	4,181	-22.0%	W	245	W	0	0	--
Louisiana	3,790	3,342	13.0%	645	662	-2.6%	W	W	W
Oklahoma	3,088	4,739	-35.0%	W	209	W	0	0	--
Texas	13,261	16,545	-20.0%	1,330	1,432	-7.1%	0	W	W
Mountain	15,843	20,385	-22.0%	627	654	-4.1%	W	W	W
Arizona	2,645	4,235	-38.0%	190	209	-9.1%	0	0	--
Colorado	3,700	4,131	-10.0%	119	129	-7.7%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	639	W	W	180	179	0.3%	0	0	--
New Mexico	W	W	W	45	49	-8.0%	0	0	--
Utah	4,064	4,737	-14.0%	46	NM	NM	0	0	--
Wyoming	2,896	3,962	-27.0%	30	29	5.0%	0	0	--
Pacific Contiguous	W	W	W	364	395	-7.7%	W	W	W
California	W	W	W	188	NM	NM	W	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	2,311	2,842	-19.0%	0	0	--
Alaska	W	W	W	48	279	-83.0%	0	0	--
Hawaii	W	W	W	2,263	2,562	-12.0%	0	0	--
U.S. Total	147,973	185,116	-20.0%	31,045	32,224	-3.7%	390	495	-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 for 2013 are preliminary. Values for 2012 are final. 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, December 2013 and 2012

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012
Coal (Thousand Tons)							
New England	1,046	1,030	1.6%	W	W	W	W
Middle Atlantic	6,209	7,553	-17.8%	0	W	6,209	W
East North Central	28,225	36,139	-21.9%	22,130	27,069	6,095	9,070
West North Central	22,876	30,554	-25.1%	22,876	30,554	0	0
South Atlantic	32,261	38,859	-17.0%	29,226	35,527	3,034	3,331
East South Central	16,864	19,657	-14.2%	16,864	19,657	0	0
West South Central	23,391	28,807	-18.8%	13,691	17,047	9,700	11,760
Mountain	15,843	20,385	-22.3%	14,710	W	1,134	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**147,973**	**185,116**	**-20.1%**	**120,888**	**150,942**	**27,085**	**34,174**
Petroleum Liquids (Thousand Barrels)							
New England	4,024	2,483	62.0%	628	464	3,396	2,020
Middle Atlantic	4,613	5,496	-16.1%	1,975	2,482	2,639	3,014
East North Central	1,211	1,223	-1.0%	W	1,007	W	217
West North Central	985	1,052	-6.4%	959	1,020	26	31
South Atlantic	12,640	13,603	-7.1%	10,496	11,314	2,145	2,289
East South Central	1,969	1,928	2.1%	W	W	W	W
West South Central	2,299	2,548	-9.8%	1,733	1,953	566	595
Mountain	627	654	-4.1%	W	W	W	W
Pacific Contiguous	364	395	-7.7%	W	W	W	W
Pacific Noncontiguous	2,311	2,842	-18.7%	W	W	W	W
U.S. Total	**31,045**	**32,224**	**-3.7%**	**21,906**	**23,875**	**9,139**	**8,349**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	86	56	54.1%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	0	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**390**	**495**	**-21.2%**	**303**	**414**	**86**	**81**

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 - December 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	86,437	93,833	4,846	185,116
2013	72,963	69,996	5,014	147,973
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	83,807	91,263	5,021	180,091
February	87,674	94,462	4,729	186,866
March	90,520	100,126	4,734	195,380
April	93,508	103,798	4,960	202,265
May	94,058	103,893	5,187	203,137
June	92,348	100,431	5,146	197,924
July	83,754	95,299	4,906	183,958
August	80,888	92,705	4,944	178,537
Sept	82,766	94,464	4,789	182,020
October	86,510	95,156	4,730	186,396
November	87,622	95,917	4,752	188,291
December	86,437	93,833	4,846	185,116
2013, End of Month Stocks				
January	83,389	90,707	4,651	178,747
February	81,674	89,169	4,482	175,325
March	80,360	86,403	4,755	171,518
April	82,410	85,237	5,007	172,654
May	84,105	86,420	6,145	176,670
June	81,649	82,805	6,080	170,534
July	75,586	78,290	5,660	159,536
August	72,684	75,942	5,493	154,119
Sept	71,739	74,966	5,481	152,185
October	73,687	74,261	5,405	153,352
November	74,861	75,637	5,256	155,754
December	72,963	69,996	5,014	147,973

Notes: See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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 - December 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	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,570,755	803,206	2.35	45.50	1.30	91.3	123,567	20,348	20.59	125.06	0.46	79.2
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	1,480,587	77,241	2.37	45.47	1.19	106.2	11,646	1,937	21.66	130.26	0.51	77.9
February	1,338,494	69,194	2.38	46.12	1.29	106.8	8,226	1,372	22.16	132.92	0.50	76.8
March	1,274,079	65,492	2.39	46.59	1.25	110.9	9,681	1,593	22.29	135.43	0.51	84.0
April	1,176,104	59,906	2.42	47.54	1.30	112.7	7,788	1,302	23.58	141.17	0.59	71.4
May	1,254,371	64,477	2.42	47.01	1.29	100.3	8,596	1,445	23.02	136.98	0.56	69.0
June	1,294,346	67,090	2.36	45.52	1.29	91.7	12,141	2,007	22.01	133.16	0.52	79.2
July	1,403,271	72,850	2.40	46.22	1.19	82.7	12,495	2,064	20.43	123.72	0.54	71.1
August	1,504,806	77,652	2.40	46.47	1.23	92.1	10,040	1,672	21.12	126.85	0.50	74.8
Sept	1,383,347	71,970	2.38	45.68	1.20	101.4	8,209	1,357	21.91	132.56	0.48	76.1
October	1,397,904	72,425	2.36	45.57	1.23	106.5	8,718	1,451	22.23	133.66	0.41	72.8
November	1,388,563	71,846	2.36	45.63	1.25	100.5	8,623	1,441	22.30	133.48	0.45	76.8
December	1,369,707	71,041	2.36	45.60	1.27	94.9	10,773	1,824	20.63	121.91	0.55	79.7
2013												
January	1,314,386	68,094	2.35	45.29	1.27	88.8	10,661	1,769	21.01	126.70	0.50	57.1
February	1,201,145	61,998	2.35	45.46	1.35	90.3	10,741	1,749	21.01	129.18	0.46	84.3
March	1,262,552	64,822	2.35	45.86	1.35	90.0	14,178	2,306	20.16	123.96	0.46	126.8
April	1,202,488	61,226	2.38	46.69	1.36	98.2	6,085	1,017	21.53	128.87	0.51	54.7
May	1,300,089	66,503	2.37	46.38	1.32	100.4	8,589	1,416	20.71	125.63	0.50	70.4
June	1,292,065	66,654	2.36	45.77	1.26	87.0	6,973	1,164	20.97	125.63	0.50	60.8
July	1,364,276	71,348	2.32	44.27	1.20	84.2	10,653	1,765	20.51	123.78	0.48	59.6
August	1,435,848	74,510	2.33	44.91	1.27	89.3	11,956	1,956	19.69	120.38	0.44	96.8
Sept	1,331,684	68,838	2.35	45.38	1.29	92.9	9,869	1,624	20.16	122.60	0.38	89.7
October	1,286,635	66,005	2.35	45.73	1.34	97.2	10,093	1,665	20.85	126.36	0.43	97.5
November	1,285,565	66,194	2.33	45.34	1.30	98.1	12,749	2,094	20.10	122.55	0.46	116.7
December	1,294,022	67,013	2.34	45.21	1.29	84.9	11,021	1,823	21.22	128.15	0.43	69.6
Year to Date												
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	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,570,755	803,206	2.35	45.50	1.30	91.3	123,567	20,348	20.59	125.06	0.46	79.2

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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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - December 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	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	129,737	4,555	2.16	61.50	5.43	75.5	8,677,544	8,463,303	4.33	4.44	90.0	3.10
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	11,219	393	2.43	69.57	5.15	64.9	702,012	687,733	3.69	3.77	91.4	2.86
February	8,815	304	2.30	67.01	5.34	64.6	695,018	680,275	3.34	3.42	91.7	2.77
March	9,788	344	1.90	54.10	5.67	102.7	724,404	709,072	2.99	3.05	91.6	2.69
April	9,077	317	2.11	60.29	5.30	106.0	774,136	755,344	2.71	2.78	92.9	2.61
May	8,583	300	2.57	73.30	5.51	86.8	866,898	847,784	2.94	3.00	92.5	2.70
June	10,175	351	2.32	67.41	5.65	92.3	933,407	912,633	3.11	3.18	92.4	2.76
July	7,560	264	2.41	69.46	5.73	62.0	1,134,111	1,108,411	3.43	3.51	92.3	2.92
August	8,618	301	2.45	70.17	5.73	63.8	1,050,429	1,027,710	3.50	3.58	91.8	2.89
Sept	11,925	417	2.39	68.43	5.65	96.9	856,022	837,053	3.41	3.49	92.2	2.81
October	9,915	348	2.00	56.95	5.64	87.5	726,388	710,327	3.84	3.93	92.1	2.91
November	10,964	384	2.05	58.34	5.59	88.3	628,800	614,906	4.25	4.35	90.3	2.99
December	13,029	458	2.06	58.45	5.66	107.6	655,067	640,143	4.21	4.31	90.7	3.01
2013												
January	9,901	348	2.02	57.79	5.64	66.2	674,846	658,835	4.38	4.49	89.1	3.09
February	9,560	336	W	W	5.42	76.3	605,664	591,385	4.39	4.50	89.0	W
March	8,081	284	W	W	5.50	59.7	647,612	631,717	4.29	4.40	89.2	W
April	11,010	387	2.26	64.50	5.37	85.8	606,715	591,713	4.67	4.78	89.8	3.16
May	11,519	403	2.32	66.15	5.39	76.7	662,786	645,559	4.62	4.75	90.4	3.16
June	11,292	398	2.39	67.99	5.09	73.9	779,828	760,011	4.42	4.54	91.0	3.15
July	11,964	418	2.27	64.99	5.46	75.9	943,799	919,088	4.20	4.31	90.8	3.12
August	10,669	372	2.23	64.10	5.40	66.1	935,780	913,083	3.91	4.00	90.7	3.00
Sept	12,082	422	2.15	61.43	5.39	81.2	787,778	770,983	4.08	4.17	90.8	3.02
October	11,948	422	2.11	59.82	5.39	81.7	681,492	664,318	4.11	4.21	90.1	3.00
November	9,462	332	1.98	56.57	5.45	79.0	640,042	623,987	4.19	4.30	88.6	3.01
December	12,249	433	1.99	56.11	5.69	84.9	711,200	692,624	4.91	5.04	89.2	3.28
Year to Date												
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	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	129,737	4,555	2.16	61.50	5.43	75.5	8,677,544	8,463,303	4.33	4.44	90.0	3.10

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See the Technical Notes for fuel conversion factors.

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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - December 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	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,479,647	586,469	2.38	46.58	1.23	91.7	78,306	12,850	21.12	128.71	0.43	78.2
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	1,065,584	54,942	2.39	46.44	1.14	105.0	8,221	1,366	21.73	130.71	0.42	91.4
February	977,965	50,084	2.41	47.06	1.22	106.8	5,975	995	22.16	133.14	0.38	79.9
March	948,751	48,359	2.44	47.94	1.21	111.4	7,907	1,294	22.94	140.22	0.42	95.1
April	873,863	43,906	2.49	49.64	1.27	110.0	6,007	1,002	23.78	142.55	0.48	74.8
May	929,247	47,009	2.47	48.73	1.25	100.2	6,122	1,029	23.35	138.90	0.46	71.4
June	952,000	48,574	2.42	47.38	1.20	90.4	9,006	1,481	22.42	136.33	0.47	85.5
July	1,051,379	53,700	2.44	47.70	1.15	83.3	9,357	1,538	20.71	126.01	0.40	75.7
August	1,118,779	56,932	2.43	47.75	1.16	92.6	7,640	1,266	21.17	127.71	0.40	79.3
Sept	1,011,975	51,891	2.43	47.40	1.12	100.7	6,246	1,026	21.88	133.24	0.37	80.2
October	1,013,074	51,751	2.40	47.07	1.16	105.5	6,497	1,074	22.21	134.37	0.29	78.3
November	999,479	51,032	2.40	46.93	1.17	99.5	5,800	970	22.46	134.34	0.34	75.6
December	997,447	51,264	2.39	46.58	1.19	94.0	7,253	1,212	21.36	127.87	0.42	90.1
2013												
January	956,945	49,199	2.38	46.24	1.18	88.2	7,457	1,236	21.07	127.14	0.41	71.2
February	889,847	45,484	2.39	46.73	1.27	92.6	6,212	1,007	21.33	131.54	0.40	83.0
March	939,284	47,836	2.38	46.67	1.27	91.8	9,920	1,607	20.43	126.12	0.45	126.0
April	895,136	45,281	2.42	47.74	1.28	99.2	3,814	635	21.99	131.96	0.45	50.2
May	949,381	48,270	2.41	47.32	1.24	99.8	5,991	983	20.89	127.31	0.47	72.9
June	956,723	48,779	2.39	46.96	1.21	87.0	4,697	784	21.30	127.70	0.43	61.2
July	1,021,070	52,643	2.34	45.45	1.17	85.7	7,139	1,182	20.82	125.77	0.44	63.9
August	1,060,523	54,375	2.37	46.24	1.21	88.4	8,381	1,353	19.78	122.53	0.45	95.1
Sept	964,553	49,265	2.38	46.63	1.22	92.5	4,862	792	21.66	132.99	0.34	67.7
October	947,064	48,221	2.37	46.51	1.28	97.3	6,119	1,008	21.97	133.42	0.40	83.8
November	949,052	48,528	2.37	46.37	1.22	97.6	6,293	1,033	21.60	131.57	0.41	82.7
December	950,070	48,587	2.37	46.37	1.23	85.6	7,421	1,230	21.90	132.08	0.43	86.8
Year to Date												
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	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,479,647	586,469	2.38	46.58	1.23	91.7	78,306	12,850	21.12	128.71	0.43	78.2

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - December 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	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.10	60.05	5.34	101.6	3,736,948	3,654,627	4.50	4.60	96.9	2.98
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	7,379	255	2.45	71.02	4.81	85.9	279,420	274,897	4.05	4.12	96.4	2.85
February	6,359	217	2.46	71.86	5.19	94.5	273,306	268,688	3.72	3.79	97.7	2.78
March	5,557	194	1.93	55.37	5.76	181.7	293,402	288,321	3.39	3.45	97.6	2.79
April	4,870	169	1.98	57.09	5.08	140.6	323,371	315,071	3.12	3.21	98.1	2.76
May	4,136	143	2.75	79.88	5.42	95.2	376,312	368,744	3.27	3.33	97.8	2.79
June	5,504	188	2.40	70.40	5.87	110.8	400,778	392,707	3.42	3.49	97.4	2.84
July	3,695	127	2.64	76.56	5.84	70.0	491,080	480,504	3.64	3.72	97.7	2.92
August	5,434	188	2.62	75.86	5.63	110.5	444,330	435,215	3.80	3.88	97.3	2.91
Sept	8,450	294	2.50	71.95	5.53	162.9	356,511	349,654	3.74	3.82	97.4	2.85
October	7,203	251	2.07	59.25	5.53	161.4	304,602	298,960	4.18	4.26	98.1	2.90
November	6,304	221	2.00	57.04	5.51	126.3	262,811	257,894	4.49	4.58	97.3	2.91
December	7,891	276	2.05	58.55	5.55	162.2	277,655	272,801	4.47	4.55	98.5	2.94
2013												
January	6,816	237	1.97	56.67	5.52	93.7	288,755	282,814	4.37	4.46	98.1	2.94
February	7,272	254	2.05	58.54	5.32	115.4	259,966	254,812	4.30	4.39	98.0	2.91
March	5,449	190	2.00	57.27	5.37	80.5	280,493	274,440	4.44	4.54	98.0	2.99
April	8,309	291	2.23	63.79	5.23	133.8	257,094	251,642	4.89	4.99	98.0	3.02
May	8,610	301	2.28	65.22	5.28	83.5	286,257	279,472	4.84	4.96	98.4	3.05
June	8,302	291	2.36	67.19	4.88	83.7	343,902	336,201	4.65	4.76	96.8	3.05
July	9,006	314	2.25	64.47	5.35	93.2	405,204	395,665	4.38	4.49	95.5	3.00
August	7,910	274	2.15	62.01	5.24	82.6	415,031	406,236	4.15	4.24	95.5	2.96
Sept	10,687	373	2.09	59.92	5.32	114.6	343,087	335,876	4.36	4.45	96.3	2.96
October	9,457	333	2.06	58.58	5.37	114.9	293,607	287,021	4.41	4.51	97.0	2.93
November	7,486	262	1.87	53.23	5.41	120.6	262,233	256,260	4.46	4.56	95.8	2.91
December	9,784	343	1.84	52.48	5.75	125.9	301,318	294,189	4.95	5.07	97.1	3.09
Year to Date												
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	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.10	60.05	5.34	101.6	3,736,948	3,654,627	4.50	4.60	96.9	2.98

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Notes:
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Values for 2012 and prior years are final. Values for 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - December 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	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	3,890,699	207,886	2.21	41.37	1.49	94.9	43,238	7,170	19.69	118.82	0.45	109.3
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	388,350	21,060	2.26	41.77	1.31	115.4	2,714	456	22.60	134.74	0.30	105.3
February	337,872	18,053	2.27	42.45	1.46	113.6	1,746	295	23.54	139.55	0.43	98.9
March	301,945	16,043	2.19	41.20	1.38	115.8	893	151	24.81	146.34	0.43	63.0
April	279,069	14,935	2.14	39.96	1.36	128.0	1,229	210	25.16	147.95	0.44	77.7
May	301,903	16,397	2.21	40.78	1.39	104.1	1,913	324	23.65	139.61	0.42	75.9
June	319,532	17,466	2.14	39.18	1.56	98.3	2,573	433	21.63	128.42	0.44	71.3
July	327,180	17,996	2.24	40.71	1.31	82.4	2,341	397	20.68	121.95	0.56	61.1
August	359,430	19,491	2.25	41.57	1.42	92.8	1,813	310	21.95	128.49	0.44	73.6
Sept	347,329	18,971	2.17	39.83	1.41	106.6	1,531	262	W	W	0.48	81.4
October	360,456	19,549	2.19	40.38	1.41	113.1	1,785	306	23.25	135.64	0.43	87.1
November	365,210	19,708	2.22	41.11	1.46	106.7	2,446	410	22.75	135.68	0.40	108.5
December	348,160	18,669	2.24	41.72	1.50	101.0	2,937	518	19.60	110.92	0.51	73.8
2013												
January	340,941	18,161	2.22	41.69	1.51	95.5	2,933	489	21.08	126.71	0.54	47.7
February	296,408	15,858	2.18	40.82	1.57	89.1	4,331	709	20.66	126.55	0.51	115.4
March	306,254	16,226	2.25	42.38	1.58	89.6	4,003	658	19.62	119.28	0.41	193.9
April	291,480	15,251	2.22	42.45	1.61	101.1	2,062	348	W	W	0.44	95.8
May	333,182	17,460	2.23	42.66	1.54	107.9	2,398	401	20.47	122.55	0.43	94.5
June	319,506	17,178	2.22	41.35	1.41	90.9	2,041	343	20.50	122.16	0.43	80.9
July	325,945	17,938	2.19	39.79	1.28	83.2	3,347	557	20.01	120.25	0.46	64.6
August	358,153	19,383	2.17	40.08	1.42	95.5	3,431	579	19.52	115.72	0.39	152.7
Sept	350,561	18,838	2.20	41.01	1.48	97.9	4,937	820	18.63	112.25	0.40	173.0
October	322,743	17,045	2.24	42.38	1.50	102.6	3,890	644	19.12	115.46	0.47	190.2
November	318,976	16,898	2.19	41.26	1.51	105.8	6,387	1,049	18.51	113.03	0.49	283.7
December	326,549	17,650	2.21	40.93	1.45	87.0	3,478	573	19.70	119.32	0.41	60.6
Year to Date												
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	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	3,890,699	207,886	2.21	41.37	1.49	94.9	43,238	7,170	19.69	118.82	0.45	109.3

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See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - December 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	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	63.3	4,190,714	4,080,785	4.25	4.36	93.1	W
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	2,378	84	0.75	21.66	5.78	81.3	349,484	341,570	3.44	3.52	93.9	2.83
February	2,027	71	W	W	5.74	80.6	354,095	345,712	3.08	3.15	93.6	W
March	2,331	81	W	W	5.72	113.6	361,777	353,324	2.65	2.72	93.3	W
April	1,925	67	W	W	5.46	145.3	381,808	373,193	2.34	2.40	94.9	W
May	1,868	65	W	W	5.66	105.2	421,157	411,534	2.68	2.74	94.5	W
June	2,609	90	1.52	44.78	5.17	153.1	460,670	449,871	2.85	2.92	94.4	2.59
July	2,447	86	1.37	40.26	5.40	119.6	568,098	555,197	3.28	3.35	94.2	2.89
August	1,096	38	1.02	29.88	5.35	39.1	533,502	520,978	3.25	3.32	93.6	2.84
Sept	832	29	W	W	5.05	40.7	431,134	420,686	3.17	3.25	94.8	W
October	951	33	W	W	5.25	45.2	351,334	342,548	3.63	3.72	94.0	W
November	2,194	76	W	W	5.33	120.2	296,103	288,823	4.16	4.26	91.8	W
December	2,364	82	W	W	5.58	125.5	301,391	293,201	4.03	4.14	90.9	W
2013												
January	1,444	52	0.00	0.00	5.37	64.1	324,443	315,935	4.56	4.68	92.8	3.33
February	1,424	51	0.00	0.00	5.39	70.3	286,512	279,141	4.69	4.81	91.6	3.44
March	1,474	53	0.00	0.00	5.36	67.4	304,053	296,416	4.35	4.46	92.3	3.31
April	1,507	54	W	W	5.44	73.0	291,416	283,497	4.56	4.68	93.0	W
May	1,628	57	W	W	5.43	111.6	314,292	305,531	4.47	4.60	92.9	W
June	1,541	54	W	W	5.43	77.8	371,688	361,468	4.22	4.34	93.5	W
July	1,543	54	W	W	5.37	66.2	474,886	461,576	4.07	4.18	93.9	W
August	951	34	W	W	5.36	32.6	456,115	444,009	3.69	3.79	93.9	W
Sept	118	4	W	W	5.22	5.9	384,536	376,720	3.84	3.91	94.0	W
October	1,492	53	W	W	5.33	70.0	325,798	317,076	3.87	3.98	93.1	W
November	1,490	52	W	W	5.43	74.2	313,805	305,625	4.04	4.14	92.5	W
December	1,538	55	W	W	5.42	70.6	343,171	333,790	5.02	5.17	93.0	W
Year to Date												
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	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	63.3	4,190,714	4,080,785	4.25	4.36	93.1	W

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - December 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	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0
2013	3,507	151	W	W	3.05	10.7	0	0	--	--	--	0.0
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	399	17	W	W	2.86	11.3	10	2	23.14	133.20	0.00	2.2
February	394	17	3.62	83.49	2.90	12.7	2	0	W	W	0.00	1.7
March	416	18	3.50	81.68	2.65	14.0	2	0	W	W	0.00	1.5
April	523	22	W	W	1.62	21.2	14	3	W	W	0.00	13.8
May	409	18	3.71	85.51	2.70	16.4	5	1	W	W	0.00	3.3
June	291	13	W	W	2.57	11.7	48	8	W	W	0.00	30.3
July	239	10	W	W	2.87	8.6	21	4	W	W	0.00	6.5
August	464	21	W	W	2.69	17.1	47	8	W	W	0.00	24.8
Sept	241	11	W	W	3.13	9.9	19	3	W	W	0.00	16.5
October	159	7	W	W	3.53	6.9	42	7	W	W	0.00	31.5
November	380	17	W	W	3.19	13.5	18	3	W	W	0.00	10.1
December	511	22	2.94	67.86	3.21	15.7	18	3	W	W	0.00	10.3
2013												
January	390	17	W	W	2.99	11.3	0	0	--	--	--	0.0
February	394	17	W	W	3.07	12.0	0	0	--	--	--	0.0
March	489	21	W	W	2.74	15.5	0	0	--	--	--	0.0
April	241	10	W	W	3.04	9.6	0	0	--	--	--	0.0
May	383	17	W	W	2.96	14.6	0	0	--	--	--	0.0
June	355	16	W	W	2.91	14.7	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.6	0	0	--	--	--	0.0
August	386	17	W	W	2.82	15.8	0	0	--	--	--	0.0
Sept	143	6	W	W	3.37	6.2	0	0	--	--	--	0.0
October	61	3	W	W	3.34	2.7	0	0	--	--	--	0.0
November	202	9	W	W	3.52	7.4	0	0	--	--	--	0.0
December	254	11	W	W	3.45	8.3	0	0	--	--	--	0.0
Year to Date												
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	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0
2013	3,507	151	W	W	3.05	10.7	0	0	--	--	--	0.0

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2003 - December 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	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	5.1	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	0	0	--	--	--	0.0	1,688	1,657	6.82	6.95	18.1	W
February	0	0	--	--	--	0.0	1,758	1,727	6.32	6.43	19.6	W
March	0	0	--	--	--	0.0	1,587	1,560	6.24	6.35	17.6	W
April	0	0	--	--	--	0.0	1,465	1,438	5.45	5.55	16.9	W
May	0	0	--	--	--	0.0	1,230	1,208	5.51	5.61	13.7	W
June	0	0	--	--	--	0.0	1,265	1,244	5.49	5.58	12.9	W
July	0	0	--	--	--	0.0	1,530	1,507	5.30	5.39	12.4	W
August	0	0	--	--	--	0.0	1,273	1,255	5.79	5.88	11.9	W
Sept	0	0	--	--	--	0.0	1,495	1,477	5.25	5.32	15.9	W
October	0	0	--	--	--	0.0	1,733	1,705	5.47	5.56	19.8	W
November	0	0	--	--	--	0.0	1,593	1,565	6.41	6.52	18.9	W
December	0	0	--	--	--	0.0	1,698	1,666	6.17	6.29	20.1	W
2013												
January	0	0	--	--	--	0.0	330	327	W	W	3.5	W
February	0	0	--	--	--	0.0	361	357	W	W	4.2	W
March	0	0	--	--	--	0.0	382	378	W	W	4.3	W
April	0	0	--	--	--	0.0	375	371	W	W	4.7	W
May	0	0	--	--	--	0.0	467	464	W	W	5.7	W
June	0	0	--	--	--	0.0	404	401	W	W	4.9	W
July	0	0	--	--	--	0.0	445	440	W	W	4.5	W
August	0	0	--	--	--	0.0	414	411	W	W	4.3	W
Sept	0	0	--	--	--	0.0	560	554	W	W	6.6	W
October	0	0	--	--	--	0.0	633	629	W	W	7.5	W
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W
December	0	0	--	--	--	0.0	599	592	W	W	5.7	W
Year to Date												
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	5.1	W

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

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - December 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	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8
2013	196,902	8,700	W	W	1.51	44.4	2,023	328	18.42	113.46	1.66	14.6
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	26,254	1,221	W	W	1.35	60.6	700	113	17.49	108.36	1.64	23.6
February	22,263	1,040	2.99	63.96	1.36	56.8	503	82	W	W	1.46	37.0
March	22,967	1,071	3.06	65.58	1.23	63.6	879	147	W	W	1.15	54.3
April	22,649	1,044	W	W	1.37	70.5	538	87	W	W	1.47	44.5
May	22,811	1,053	3.07	66.43	1.42	67.4	556	91	W	W	1.40	45.8
June	22,523	1,037	W	W	1.45	66.8	515	84	W	W	1.52	50.8
July	24,473	1,143	W	W	1.30	66.8	776	125	W	W	1.63	74.9
August	26,133	1,208	W	W	1.36	70.9	540	88	W	W	1.62	47.6
Sept	23,802	1,098	W	W	1.24	71.5	413	66	W	W	1.71	40.5
October	24,214	1,117	W	W	1.28	70.4	394	64	W	W	1.58	25.8
November	23,495	1,089	W	W	1.32	66.0	359	58	W	W	1.54	31.5
December	23,589	1,085	3.02	65.67	1.30	61.9	565	91	W	W	1.67	43.2
2013												
January	16,110	717	W	W	1.42	41.5	271	44	18.59	114.45	1.76	17.1
February	14,495	639	W	W	1.54	39.9	199	33	18.09	110.10	1.38	16.3
March	16,525	739	W	W	1.41	43.1	255	41	18.33	114.33	1.69	22.5
April	15,631	684	W	W	1.54	44.6	209	34	W	W	1.73	16.6
May	17,144	757	W	W	1.47	48.0	200	32	18.00	112.37	1.65	15.3
June	15,481	682	W	W	1.36	43.2	234	38	18.49	114.07	1.83	21.3
July	17,052	759	W	W	1.50	45.8	167	27	17.47	108.96	1.84	14.0
August	16,786	736	W	W	1.51	46.2	143	24	18.57	112.14	1.82	12.4
Sept	16,427	728	W	W	1.58	47.1	70	12	18.34	110.96	1.45	8.3
October	16,767	736	W	W	1.56	44.7	84	14	19.32	119.82	0.80	9.3
November	17,334	760	W	W	1.65	45.2	69	12	20.57	123.01	0.99	7.6
December	17,149	765	W	W	1.61	43.4	122	20	19.07	117.04	1.57	10.1
Year to Date												
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	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8
2013	196,902	8,700	W	W	1.51	44.4	2,023	328	18.42	113.46	1.66	14.6

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - December 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	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	14,500	517	W	W	6.08	30.3	744,385	722,441	W	W	63.0	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	1,461	54	3.34	91.14	5.57	26.5	71,420	69,608	3.21	3.30	73.8	W
February	428	16	W	W	5.31	10.5	65,859	64,147	2.85	2.93	72.2	W
March	1,900	68	W	W	5.33	44.1	67,637	65,868	2.58	2.66	72.5	W
April	2,282	82	W	W	5.64	61.4	67,492	65,641	2.34	2.41	72.7	W
May	2,579	93	W	W	5.53	69.1	68,198	66,297	2.38	2.46	69.8	W
June	2,062	73	2.59	72.74	5.79	48.2	70,695	68,812	2.65	2.73	70.4	W
July	1,419	51	2.58	71.62	6.07	29.9	73,402	71,204	2.94	3.04	66.4	W
August	2,088	75	2.60	72.32	6.13	37.0	71,324	70,263	3.12	3.17	67.1	W
Sept	2,643	95	W	W	6.16	53.0	66,883	65,236	2.83	2.91	68.3	W
October	1,760	63	W	W	6.27	38.0	68,718	67,113	3.20	3.28	71.8	W
November	2,466	88	W	W	6.01	44.7	68,292	66,625	3.61	3.71	71.7	W
December	2,773	100	W	W	6.05	52.9	74,324	72,475	3.81	3.91	74.0	W
2013												
January	1,642	59	2.23	62.30	6.34	31.0	61,318	59,759	W	W	58.9	W
February	863	31	W	W	6.39	21.1	58,825	57,075	W	W	62.7	W
March	1,159	41	W	W	6.25	25.7	62,684	60,482	W	W	61.7	W
April	1,194	43	W	W	6.25	26.6	57,831	56,203	W	W	62.7	W
May	1,281	45	W	W	6.08	39.7	61,770	60,091	W	W	64.4	W
June	1,450	52	W	W	5.91	43.4	63,835	61,941	W	W	66.9	W
July	1,415	50	W	W	6.27	37.7	63,264	61,407	W	W	63.2	W
August	1,807	63	W	W	6.14	50.7	64,219	62,428	W	W	63.4	W
Sept	1,277	45	W	W	5.96	36.4	59,596	57,833	W	W	63.5	W
October	998	36	W	W	5.60	24.3	61,454	59,591	W	W	64.1	W
November	486	17	W	W	6.03	13.2	63,475	61,578	W	W	63.8	W
December	927	35	W	W	5.52	22.2	66,113	64,053	W	W	61.3	W
Year to Date												
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	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	14,500	517	W	W	6.08	30.3	744,385	722,441	W	W	63.0	W

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See Glossary for definitions.
Values for 2012 and prior years are final. Values for 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, December 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	391	198	98.0%	50	56	337	140	0	0	4	2
Connecticut	82	14	480.0%	0	0	82	14	0	0	0	0
Maine	10	6	77.0%	0	0	6	4	0	0	4	2
Massachusetts	248	122	103.0%	0	0	248	122	0	0	0	0
New Hampshire	50	56	-9.7%	50	56	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,847	3,753	-24.0%	0	0	2,800	3,672	0	0	47	81
New Jersey	95	70	34.0%	0	0	95	70	0	0	0	0
New York	170	325	-48.0%	0	0	137	292	0	0	33	33
Pennsylvania	2,582	3,358	-23.0%	0	0	2,568	3,309	0	0	14	48
East North Central	15,682	14,749	6.3%	10,160	9,899	5,256	4,581	0	11	266	258
Illinois	5,191	4,670	11.0%	533	493	4,483	3,975	0	9	175	193
Indiana	3,238	3,029	6.9%	2,988	2,826	250	203	0	0	0	0
Michigan	2,442	2,438	0.1%	2,398	2,396	33	31	0	2	11	10
Ohio	3,021	2,836	6.5%	2,505	2,437	489	372	0	0	27	27
Wisconsin	1,791	1,776	0.9%	1,738	1,748	0	0	0	0	54	28
West North Central	10,502	11,616	-9.6%	10,372	11,323	0	0	11	12	118	281
Iowa	1,463	1,975	-26.0%	1,345	1,794	0	0	0	0	118	181
Kansas	1,499	1,278	17.0%	1,499	1,278	0	0	0	0	0	0
Minnesota	1,032	1,254	-18.0%	1,032	1,216	0	0	0	0	0	38
Missouri	3,358	3,711	-9.5%	3,347	3,699	0	0	11	12	0	0
Nebraska	1,084	1,260	-14.0%	1,084	1,198	0	0	0	0	0	62
North Dakota	1,881	1,935	-2.8%	1,881	1,935	0	0	0	0	0	0
South Dakota	184	202	-9.0%	184	202	0	0	0	0	0	0
South Atlantic	9,362	10,286	-9.0%	7,435	7,799	1,782	2,272	0	0	146	215
Delaware	81	88	-8.6%	0	0	81	88	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,715	1,578	8.7%	1,665	1,557	51	0	0	0	0	21
Georgia	1,514	1,888	-20.0%	1,476	1,861	0	0	0	0	38	27
Maryland	543	864	-37.0%	0	0	512	830	0	0	32	34
North Carolina	1,167	1,566	-26.0%	1,167	1,480	0	55	0	0	0	30
South Carolina	789	912	-14.0%	779	888	0	0	0	0	10	24
Virginia	913	689	33.0%	831	529	44	114	0	0	38	46
West Virginia	2,640	2,701	-2.3%	1,517	1,484	1,095	1,184	0	0	28	33
East South Central	7,122	7,874	-9.5%	6,714	7,302	278	435	0	0	130	137
Alabama	2,031	1,815	12.0%	2,031	1,807	0	0	0	0	0	8
Kentucky	3,269	3,358	-2.7%	3,269	3,358	0	0	0	0	0	0
Mississippi	446	617	-28.0%	168	182	278	435	0	0	0	0
Tennessee	1,377	2,083	-34.0%	1,246	1,954	0	0	0	0	130	129
West South Central	11,902	12,884	-7.6%	6,064	6,696	5,838	6,148	0	0	0	40
Arkansas	1,557	1,541	1.0%	1,362	1,278	195	263	0	0	0	0
Louisiana	938	1,083	-13.0%	349	721	589	362	0	0	0	0
Oklahoma	1,660	1,581	5.0%	1,581	1,434	79	107	0	0	0	40
Texas	7,747	8,679	-11.0%	2,772	3,263	4,975	5,416	0	0	0	0
Mountain	8,324	8,928	-6.8%	7,618	7,927	705	994	0	0	0	7
Arizona	1,772	1,760	0.7%	1,772	1,760	0	0	0	0	0	0
Colorado	1,547	1,557	-0.7%	1,547	1,557	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	615	882	-30.0%	0	25	615	857	0	0	0	0
Nevada	90	73	24.0%	0	11	90	62	0	0	0	0
New Mexico	959	1,338	-28.0%	959	1,338	0	0	0	0	0	0
Utah	1,037	995	4.2%	1,037	956	0	32	0	0	0	7
Wyoming	2,304	2,322	-0.8%	2,304	2,278	0	43	0	0	0	0
Pacific Contiguous	820	694	18.0%	174	263	593	368	0	0	53	63
California	53	74	-28.0%	0	0	0	21	0	0	53	53
Oregon	174	263	-34.0%	174	263	0	0	0	0	0	0
Washington	593	357	66.0%	0	0	593	347	0	0	0	10
Pacific Noncontiguous	62	59	3.9%	0	0	62	59	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	62	59	3.9%	0	0	62	59	0	0	0	0
U.S. Total	67,013	71,041	-5.7%	48,587	51,264	17,650	18,669	11	22	765	1,085

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	2,838	1,146	148.0%	726	353	2,084	773	0	0	28	19
Connecticut	320	41	671.0%	0	0	320	41	0	0	0	0
Maine	66	51	29.0%	0	0	38	32	0	0	28	19
Massachusetts	1,726	700	147.0%	0	0	1,726	700	0	0	0	0
New Hampshire	726	353	106.0%	726	353	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	36,293	43,998	-18.0%	0	0	35,856	43,082	0	0	437	916
New Jersey	1,105	1,059	4.3%	0	0	1,105	1,059	0	0	0	0
New York	2,467	2,218	11.0%	0	0	2,127	1,884	0	0	341	333
Pennsylvania	32,721	40,721	-20.0%	0	0	32,625	40,138	0	0	96	583
East North Central	184,272	182,345	1.1%	121,038	117,309	60,321	61,732	58	111	2,855	3,193
Illinois	59,202	61,119	-3.1%	6,391	6,163	50,924	52,682	0	42	1,887	2,232
Indiana	36,377	36,672	-0.8%	33,792	33,943	2,585	2,729	0	0	0	0
Michigan	28,450	29,547	-3.7%	28,110	29,218	172	214	58	69	110	46
Ohio	37,671	35,005	7.6%	30,780	28,628	6,641	6,108	0	0	250	269
Wisconsin	22,572	20,003	13.0%	21,964	19,357	0	0	0	0	608	646
West North Central	128,410	139,220	-7.8%	127,020	135,816	0	0	94	81	1,296	3,323
Iowa	18,705	24,436	-23.0%	17,409	22,264	0	0	0	0	1,296	2,172
Kansas	18,424	17,919	2.8%	18,424	17,919	0	0	0	0	0	0
Minnesota	12,126	13,125	-7.6%	12,126	12,729	0	0	0	0	0	396
Missouri	41,053	43,850	-6.4%	40,959	43,768	0	0	94	81	0	0
Nebraska	14,627	15,368	-4.8%	14,627	14,613	0	0	0	0	0	755
North Dakota	21,687	22,708	-4.5%	21,687	22,708	0	0	0	0	0	0
South Dakota	1,788	1,813	-1.4%	1,788	1,813	0	0	0	0	0	0
South Atlantic	109,831	118,709	-7.5%	87,605	94,956	20,605	21,351	0	0	1,622	2,402
Delaware	614	645	-4.9%	0	0	614	645	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19,522	18,400	6.1%	18,766	17,388	756	770	0	0	0	242
Georgia	19,015	23,258	-18.0%	18,651	22,863	0	0	0	0	364	395
Maryland	6,828	7,025	-2.8%	0	0	6,490	6,634	0	0	337	390
North Carolina	15,038	19,811	-24.0%	15,038	18,726	0	699	0	0	0	386
South Carolina	9,130	11,606	-21.0%	8,981	11,400	0	27	0	0	149	179
Virginia	9,458	6,528	45.0%	8,426	5,327	578	728	0	0	454	473
West Virginia	30,226	31,436	-3.8%	17,742	19,252	12,167	11,847	0	0	318	337
East South Central	85,200	89,288	-4.6%	79,925	83,677	3,685	3,940	0	0	1,589	1,670
Alabama	22,526	24,639	-8.6%	22,526	24,544	0	0	0	0	0	94
Kentucky	38,710	39,483	-2.0%	38,710	39,483	0	0	0	0	0	0
Mississippi	5,783	6,590	-12.0%	2,098	2,651	3,685	3,940	0	0	0	0
Tennessee	18,181	18,576	-2.1%	16,591	16,999	0	0	0	0	1,589	1,576
West South Central	146,186	152,230	-4.0%	74,424	77,882	71,762	73,848	0	0	0	500
Arkansas	17,641	16,969	4.0%	15,558	14,503	2,083	2,466	0	0	0	0
Louisiana	13,990	15,586	-10.0%	7,094	8,073	6,896	7,513	0	0	0	0
Oklahoma	17,005	19,605	-13.0%	15,904	17,871	1,101	1,233	0	0	0	500
Texas	97,550	100,071	-2.5%	35,868	37,435	61,682	62,636	0	0	0	0
Mountain	103,100	108,207	-4.7%	94,133	97,626	8,740	10,142	0	0	227	438
Arizona	21,589	23,238	-7.1%	21,589	23,029	0	0	0	0	0	208
Colorado	18,056	18,687	-3.4%	18,056	18,687	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	7,954	8,808	-9.7%	0	248	7,954	8,560	0	0	0	0
Nevada	2,268	2,215	2.4%	1,482	1,580	786	635	0	0	0	0
New Mexico	14,153	14,604	-3.1%	14,153	14,604	0	0	0	0	0	0
Utah	14,043	13,834	1.5%	13,816	13,159	0	445	0	0	227	230
Wyoming	25,037	26,821	-6.7%	25,037	26,319	0	502	0	0	0	0
Pacific Contiguous	6,348	5,375	18.0%	1,597	1,826	4,105	2,806	0	0	646	743
California	793	935	-15.0%	0	0	148	292	0	0	646	643
Oregon	1,597	1,826	-13.0%	1,597	1,826	0	0	0	0	0	0
Washington	3,957	2,615	51.0%	0	0	3,957	2,514	0	0	0	100
Pacific Noncontiguous	728	667	9.1%	0	0	728	667	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	728	667	9.1%	0	0	728	667	0	0	0	0
U.S. Total	803,206	841,183	-4.5%	586,469	609,445	207,886	218,341	151	192	8,700	13,206

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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, December 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	254	139	83.0%	6	3	246	129	0	3	2	3
Connecticut	106	23	358.0%	0	2	106	21	0	0	0	0
Maine	91	3	NM	0	0	89	1	0	0	2	3
Massachusetts	41	112	-63.0%	4	1	38	107	0	3	0	0
New Hampshire	7	0	NM	2	0	5	0	0	0	0	0
Rhode Island	8	0	--	0	0	8	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	104	171	-40.0%	3	0	98	171	0	0	3	0
New Jersey	2	86	-97.0%	0	0	2	86	0	0	0	0
New York	62	60	3.3%	3	0	56	60	0	0	3	0
Pennsylvania	39	25	56.0%	0	0	39	25	0	0	0	0
East North Central	201	125	61.0%	184	108	13	13	0	0	4	3
Illinois	10	9	4.3%	4	3	6	6	0	0	0	0
Indiana	99	16	514.0%	99	14	0	0	0	0	0	2
Michigan	20	16	30.0%	19	15	0	0	0	0	1	1
Ohio	46	83	-44.0%	38	75	5	7	0	0	3	0
Wisconsin	26	1	NM	24	1	1	0	0	0	0	0
West North Central	95	50	91.0%	95	50	0	0	0	0	0	0
Iowa	25	26	-5.0%	25	26	0	0	0	0	0	0
Kansas	30	6	445.0%	30	6	0	0	0	0	0	0
Minnesota	5	1	308.0%	5	1	0	0	0	0	0	0
Missouri	13	13	0.4%	13	13	0	0	0	0	0	0
Nebraska	6	0	--	6	0	0	0	0	0	0	0
North Dakota	13	3	282.0%	13	3	0	0	0	0	0	0
South Dakota	3	0	--	3	0	0	0	0	0	0	0
South Atlantic	228	357	-36.0%	192	251	26	24	0	0	11	81
Delaware	2	2	11.0%	0	0	2	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	66	217	-70.0%	66	166	0	0	0	0	0	51
Georgia	18	20	-10.0%	11	13	0	3	0	0	7	5
Maryland	14	21	-33.0%	0	0	14	19	0	0	0	2
North Carolina	69	19	272.0%	69	16	0	0	0	0	0	3
South Carolina	14	46	-69.0%	11	27	0	0	0	0	3	19
Virginia	13	8	57.0%	2	6	10	1	0	0	1	2
West Virginia	32	24	35.0%	32	24	0	0	0	0	0	0
East South Central	63	91	-31.0%	63	91	0	0	0	0	0	0
Alabama	6	10	-47.0%	6	10	0	0	0	0	0	0
Kentucky	19	25	-25.0%	19	25	0	0	0	0	0	0
Mississippi	23	0	NM	23	0	0	0	0	0	0	0
Tennessee	15	56	-72.0%	15	56	0	0	0	0	0	0
West South Central	21	35	-40.0%	11	16	11	20	0	0	0	0
Arkansas	9	17	-45.0%	8	13	2	4	0	0	0	0
Louisiana	7	7	3.7%	3	0	4	7	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	5	12	-56.0%	0	3	5	9	0	0	0	0
Mountain	27	34	-21.0%	26	31	1	3	0	0	0	0
Arizona	5	6	-8.8%	5	6	0	0	0	0	0	0
Colorado	1	2	-60.0%	1	2	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	2	-59.0%	0	0	1	2	0	0	0	0
Nevada	4	5	-26.0%	3	4	0	1	0	0	0	0
New Mexico	8	10	-23.0%	8	10	0	0	0	0	0	0
Utah	3	3	9.9%	3	3	0	0	0	0	0	0
Wyoming	6	8	-18.0%	6	8	0	0	0	0	0	0
Pacific Contiguous	1	10	-90.0%	0	6	1	1	0	0	0	2
California	0	1	-100.0%	0	1	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	8	-89.0%	0	5	1	1	0	0	0	2
Pacific Noncontiguous	829	812	2.1%	651	655	178	157	0	0	0	0
Alaska	0	104	-100.0%	0	104	0	0	0	0	0	0
Hawaii	829	709	17.0%	651	551	178	157	0	0	0	0
U.S. Total	1,823	1,824	0.0%	1,230	1,212	573	518	0	3	20	91

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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) December 2013 and 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	3,173	560	466.0%	421	20	2,727	365	0	39	25	138
Connecticut	594	161	268.0%	0	3	594	158	0	0	0	0
Maine	898	151	496.0%	0	0	873	13	0	0	25	138
Massachusetts	1,296	238	445.0%	154	6	1,143	193	0	39	0	0
New Hampshire	354	9	NM	268	9	86	0	0	0	0	0
Rhode Island	31	0	--	0	0	31	0	0	0	0	0
Vermont	0	1	-100.0%	0	1	0	0	0	0	0	0
Middle Atlantic	2,046	1,562	31.0%	442	548	1,582	1,002	0	0	22	11
New Jersey	52	124	-58.0%	0	0	52	124	0	0	0	0
New York	1,546	1,022	51.0%	442	548	1,084	471	0	0	21	4
Pennsylvania	447	415	7.8%	0	0	446	407	0	0	1	8
East North Central	1,234	1,149	7.4%	986	926	216	174	0	0	31	49
Illinois	129	131	-1.3%	40	36	89	95	0	0	0	0
Indiana	318	230	38.0%	318	207	0	0	0	0	0	23
Michigan	226	215	5.3%	212	201	0	0	0	0	14	13
Ohio	462	518	-11.0%	322	432	124	75	0	0	15	11
Wisconsin	99	56	76.0%	94	51	3	4	0	0	2	1
West North Central	491	542	-9.5%	491	541	0	0	0	0	0	1
Iowa	124	187	-34.0%	124	187	0	0	0	0	0	0
Kansas	103	73	41.0%	103	73	0	0	0	0	0	0
Minnesota	43	27	60.0%	43	26	0	0	0	0	0	1
Missouri	101	158	-36.0%	101	158	0	0	0	0	0	0
Nebraska	35	29	20.0%	35	29	0	0	0	0	0	0
North Dakota	75	63	19.0%	75	63	0	0	0	0	0	0
South Dakota	10	5	105.0%	10	5	0	0	0	0	0	0
South Atlantic	2,617	3,217	-19.0%	1,983	1,960	386	371	0	5	248	881
Delaware	22	34	-35.0%	0	0	22	34	0	0	0	0
District of Columbia	0	7	-100.0%	0	0	0	7	0	0	0	0
Florida	834	948	-12.0%	826	699	8	14	0	0	0	234
Georgia	240	398	-40.0%	145	228	4	8	0	0	91	162
Maryland	193	218	-11.0%	0	0	193	142	0	0	0	77
North Carolina	345	432	-20.0%	296	274	49	7	0	0	0	150
South Carolina	250	469	-47.0%	124	246	0	0	0	0	126	223
Virginia	436	455	-4.1%	296	266	109	149	0	5	31	35
West Virginia	296	257	15.0%	296	247	0	10	0	0	0	0
East South Central	626	471	33.0%	624	466	1	1	0	0	2	4
Alabama	131	107	22.0%	130	102	1	1	0	0	0	4
Kentucky	189	211	-10.0%	189	211	0	0	0	0	0	0
Mississippi	41	22	88.0%	39	22	0	0	0	0	2	0
Tennessee	265	132	102.0%	265	132	0	0	0	0	0	0
West South Central	284	293	-3.3%	106	122	177	171	0	0	0	0
Arkansas	63	74	-14.0%	33	47	30	26	0	0	0	0
Louisiana	64	50	26.0%	14	17	50	33	0	0	0	0
Oklahoma	13	14	-4.6%	13	14	0	0	0	0	0	0
Texas	144	156	-7.6%	46	44	98	111	0	0	0	0
Mountain	363	396	-8.3%	342	347	21	48	0	0	0	2
Arizona	97	77	25.0%	97	76	0	0	0	0	0	2
Colorado	4	10	-57.0%	4	10	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	36	-59.0%	0	0	15	36	0	0	0	0
Nevada	34	40	-14.0%	28	30	6	10	0	0	0	0
New Mexico	96	95	1.7%	96	95	0	0	0	0	0	0
Utah	47	53	-11.0%	47	52	0	1	0	0	0	0
Wyoming	70	85	-18.0%	70	85	0	0	0	0	0	0
Pacific Contiguous	40	96	-59.0%	25	43	14	44	0	0	0	9
California	0	50	-100.0%	0	17	0	30	0	0	0	2
Oregon	6	14	-55.0%	6	14	0	0	0	0	0	0
Washington	34	33	0.8%	19	12	14	14	0	0	0	7
Pacific Noncontiguous	9,474	11,176	-15.0%	7,429	9,278	2,045	1,898	0	0	0	0
Alaska	0	965	-100.0%	0	965	0	0	0	0	0	0
Hawaii	9,474	10,211	-7.2%	7,429	8,313	2,045	1,898	0	0	0	0
U.S. Total	20,348	19,464	4.5%	12,850	14,252	7,170	4,073	0	43	328	1,095

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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, December 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 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	12	-100.0%	0	0	0	0	0	0	0	12
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	12	-100.0%	0	0	0	0	0	0	0	12
East North Central	110	70	58.0%	42	0	55	58	0	0	12	12
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	-100.0%	0	0	0	0	0	0	0	0
Michigan	48	5	811.0%	42	0	6	5	0	0	0	0
Ohio	50	53	-5.2%	0	0	50	53	0	0	0	0
Wisconsin	12	12	5.0%	0	0	0	0	0	0	12	12
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	119	97	23.0%	96	74	0	0	0	0	23	23
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	96	74	30.0%	96	74	0	0	0	0	0	0
Georgia	23	23	-1.8%	0	0	0	0	0	0	23	23
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	46	56	-18.0%	46	56	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	46	56	-18.0%	46	56	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	159	199	-20.0%	159	146	0	0	0	0	0	53
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	159	146	8.5%	159	146	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	53	-100.0%	0	0	0	0	0	0	0	53
Mountain	0	25	-100.0%	0	0	0	25	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	25	-100.0%	0	0	0	25	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	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	433	458	-5.4%	343	276	55	82	0	0	35	100

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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) December 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 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	106	-100.0%	0	0	0	0	0	0	0	106
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	106	-100.0%	0	0	0	0	0	0	0	106
East North Central	860	893	-3.7%	143	248	575	507	0	0	143	138
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	204	-100.0%	0	204	0	0	0	0	0	0
Michigan	151	36	320.0%	122	0	29	36	0	0	0	0
Ohio	546	471	16.0%	0	0	546	471	0	0	0	0
Wisconsin	163	182	-10.0%	20	44	0	0	0	0	143	138
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	1,235	741	67.0%	1,103	563	0	0	0	0	132	178
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	1,103	563	96.0%	1,103	563	0	0	0	0	0	0
Georgia	132	178	-26.0%	0	0	0	0	0	0	132	178
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	535	532	0.6%	535	532	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	535	532	0.6%	535	532	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	1,926	1,649	17.0%	1,683	1,178	0	35	0	0	243	436
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,683	1,178	43.0%	1,683	1,178	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	243	471	-48.0%	0	0	0	35	0	0	243	436
Mountain	0	251	-100.0%	0	0	0	251	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	251	-100.0%	0	0	0	251	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	8	-100.0%	0	0	0	8	0	0	0	0
California	0	8	-100.0%	0	0	0	8	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	4,555	4,180	9.0%	3,463	2,521	575	801	0	0	517	858

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

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, December 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	22,381	27,483	-19.0%	74	95	21,000	25,730	0	370	1,307	1,288
Connecticut	7,751	9,262	-16.0%	0	3	7,751	9,259	0	0	0	0
Maine	3,699	2,833	31.0%	0	0	2,391	1,545	0	0	1,307	1,288
Massachusetts	6,309	8,395	-25.0%	73	88	6,235	7,938	0	370	0	0
New Hampshire	2,412	3,488	-31.0%	0	0	2,412	3,488	0	0	0	0
Rhode Island	2,210	3,500	-37.0%	0	0	2,210	3,500	0	0	0	0
Vermont	0	4	-100.0%	0	4	0	0	0	0	0	0
Middle Atlantic	77,210	70,892	8.9%	8,726	8,472	68,332	62,193	0	0	153	226
New Jersey	16,296	10,610	54.0%	0	0	16,296	10,610	0	0	0	0
New York	32,438	30,837	5.2%	8,726	8,472	23,645	22,296	0	0	67	69
Pennsylvania	28,476	29,444	-3.3%	0	0	28,391	29,287	0	0	85	157
East North Central	33,611	32,256	4.2%	12,774	12,166	20,016	18,236	560	974	261	880
Illinois	1,673	2,496	-33.0%	171	94	1,497	1,840	0	551	5	11
Indiana	6,331	7,031	-10.0%	4,658	4,498	1,673	2,083	0	0	0	450
Michigan	8,288	5,214	59.0%	1,735	1,185	5,911	3,440	560	423	81	166
Ohio	13,389	12,537	6.8%	4,267	3,677	9,104	8,854	0	0	19	6
Wisconsin	3,929	4,979	-21.0%	1,942	2,713	1,830	2,018	0	0	157	247
West North Central	10,614	8,998	18.0%	9,559	8,196	1,024	616	32	2	0	184
Iowa	1,291	1,860	-31.0%	1,291	1,854	0	0	0	0	0	6
Kansas	813	596	36.0%	813	596	0	0	0	0	0	0
Minnesota	4,447	4,704	-5.5%	3,601	4,063	846	465	0	0	0	177
Missouri	2,989	1,674	79.0%	2,779	1,521	178	151	32	2	0	0
Nebraska	195	61	221.0%	195	60	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	881	102	765.0%	881	102	0	0	0	0	0	0
South Atlantic	131,782	142,541	-7.5%	109,535	114,245	20,153	23,742	0	0	2,095	4,554
Delaware	3,465	4,401	-21.0%	0	0	2,547	3,380	0	0	917	1,021
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	69,240	77,657	-11.0%	68,099	71,941	1,142	4,373	0	0	0	1,343
Georgia	19,199	26,949	-29.0%	16,591	17,307	1,757	8,011	0	0	851	1,632
Maryland	2,195	1,179	86.0%	0	0	2,148	1,137	0	0	47	41
North Carolina	18,937	11,520	64.0%	12,943	9,652	5,994	1,857	0	0	0	11
South Carolina	5,147	6,907	-25.0%	5,073	6,824	39	20	0	0	35	63
Virginia	13,466	13,867	-2.9%	6,806	8,506	6,416	4,917	0	0	244	443
West Virginia	135	61	122.0%	24	15	111	46	0	0	0	0
East South Central	48,577	57,639	-16.0%	31,053	33,073	17,501	22,196	0	0	23	2,370
Alabama	25,771	30,688	-16.0%	9,043	9,474	16,728	20,114	0	0	0	1,100
Kentucky	574	760	-24.0%	526	760	48	0	0	0	0	0
Mississippi	19,935	21,046	-5.3%	19,210	17,701	725	2,082	0	0	0	1,263
Tennessee	2,297	5,146	-55.0%	2,274	5,139	0	0	0	0	23	7
West South Central	221,353	193,882	14.0%	55,889	46,915	109,516	90,645	0	320	55,948	56,000
Arkansas	6,683	5,676	18.0%	1,616	1,003	5,067	4,673	0	0	0	0
Louisiana	41,566	40,982	1.4%	14,606	16,743	8,321	6,145	0	0	18,639	18,094
Oklahoma	21,734	14,890	46.0%	16,672	12,239	5,061	2,651	0	0	0	0
Texas	151,369	132,334	14.0%	22,995	16,931	91,067	77,176	0	320	37,308	37,906
Mountain	52,161	35,500	47.0%	31,368	23,985	20,761	10,938	0	0	32	577
Arizona	17,112	7,003	144.0%	6,314	3,592	10,798	3,411	0	0	0	0
Colorado	8,476	5,222	62.0%	4,527	3,087	3,950	2,135	0	0	0	0
Idaho	2,976	581	412.0%	1,688	162	1,288	419	0	0	0	0
Montana	0	1	-100.0%	0	1	0	0	0	0	0	0
Nevada	13,359	14,454	-7.6%	11,125	11,309	2,234	3,145	0	0	0	0
New Mexico	5,371	4,355	23.0%	3,433	2,763	1,938	1,592	0	0	0	0
Utah	4,859	3,325	46.0%	4,273	3,042	554	234	0	0	32	50
Wyoming	9	559	-98.0%	9	30	0	2	0	0	0	527
Pacific Contiguous	92,706	68,538	35.0%	32,984	23,237	55,488	38,905	0	0	4,234	6,397
California	71,158	59,671	19.0%	19,759	20,252	47,165	33,440	0	0	4,234	5,979
Oregon	12,345	5,786	113.0%	5,228	1,209	7,116	4,574	0	0	0	4
Washington	9,204	3,081	199.0%	7,997	1,776	1,207	891	0	0	0	414
Pacific Noncontiguous	2,227	2,415	-7.8%	2,227	2,415	0	0	0	0	0	0
Alaska	2,227	2,415	-7.8%	2,227	2,415	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	692,624	640,143	8.2%	294,189	272,801	333,790	293,201	592	1,666	64,053	72,475

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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) December 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	364,346	440,421	-17.0%	1,600	3,652	348,497	419,062	0	3,636	14,249	14,072
Connecticut	104,666	112,084	-6.6%	0	71	104,666	112,012	0	0	0	0
Maine	35,119	42,374	-17.0%	0	0	20,871	28,302	0	0	14,249	14,072
Massachusetts	148,736	175,314	-15.0%	1,245	2,789	147,491	168,890	0	3,636	0	0
New Hampshire	29,644	50,408	-41.0%	355	754	29,289	49,655	0	0	0	0
Rhode Island	46,180	60,203	-23.0%	0	0	46,180	60,203	0	0	0	0
Vermont	0	37	-100.0%	0	37	0	0	0	0	0	0
Middle Atlantic	942,982	1,024,559	-8.0%	107,551	109,942	833,671	912,518	0	0	1,761	2,099
New Jersey	197,536	200,570	-1.5%	0	0	197,536	200,570	0	0	0	0
New York	403,374	447,049	-9.8%	107,551	109,942	295,119	336,374	0	0	704	734
Pennsylvania	342,072	376,940	-9.3%	0	0	341,016	375,574	0	0	1,056	1,366
East North Central	431,386	621,882	-31.0%	159,075	225,621	265,275	374,934	4,573	9,274	2,464	12,054
Illinois	40,430	78,693	-49.0%	4,963	12,147	35,408	61,024	0	5,479	59	42
Indiana	74,306	117,031	-37.0%	50,691	83,545	23,614	25,956	0	0	0	7,530
Michigan	101,483	175,163	-42.0%	23,931	39,101	72,016	129,602	4,573	3,795	964	2,665
Ohio	156,480	163,870	-4.5%	51,699	45,366	104,684	118,387	0	0	96	117
Wisconsin	58,688	87,126	-33.0%	27,791	45,462	29,552	39,964	0	0	1,346	1,699
West North Central	120,294	157,891	-24.0%	102,957	133,673	16,444	20,546	878	1,217	15	2,455
Iowa	16,324	18,348	-11.0%	16,309	18,302	0	0	0	0	15	46
Kansas	15,622	26,639	-41.0%	15,622	26,639	0	0	0	0	0	0
Minnesota	46,856	56,036	-16.0%	37,365	44,549	9,491	9,571	0	0	0	1,916
Missouri	33,989	47,085	-28.0%	26,158	34,892	6,953	10,976	878	1,217	0	0
Nebraska	3,762	8,141	-54.0%	3,762	7,648	0	0	0	0	0	493
North Dakota	0	1	-100.0%	0	1	0	0	0	0	0	0
South Dakota	3,742	1,642	128.0%	3,742	1,642	0	0	0	0	0	0
South Atlantic	1,841,596	2,020,211	-8.8%	1,491,430	1,562,634	320,154	410,674	0	0	30,012	46,903
Delaware	55,626	65,059	-14.0%	0	0	39,547	52,550	0	0	16,079	12,508
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,006,580	1,122,939	-10.0%	957,981	1,034,639	48,599	74,051	0	0	0	14,249
Georgia	289,741	328,446	-12.0%	216,929	190,029	63,283	124,927	0	0	9,529	13,491
Maryland	22,352	47,231	-53.0%	0	0	21,759	45,325	0	0	593	1,906
North Carolina	200,509	150,372	33.0%	132,935	126,867	67,403	23,368	0	0	171	138
South Carolina	86,913	109,809	-21.0%	76,653	97,550	9,897	11,902	0	0	364	357
Virginia	177,042	193,993	-8.7%	106,493	113,146	67,272	76,593	0	0	3,277	4,254
West Virginia	2,833	2,362	20.0%	439	403	2,394	1,959	0	0	0	0
East South Central	617,361	807,339	-24.0%	366,789	432,604	250,417	348,415	0	0	154	26,321
Alabama	317,172	395,377	-20.0%	94,531	100,108	222,641	282,985	0	0	0	12,284
Kentucky	14,602	31,026	-53.0%	12,417	27,812	2,186	3,214	0	0	0	0
Mississippi	250,869	317,211	-21.0%	225,279	241,231	25,590	62,216	0	0	0	13,764
Tennessee	34,717	63,726	-46.0%	34,562	63,453	0	0	0	0	154	272
West South Central	2,638,458	2,896,365	-8.9%	710,420	812,628	1,299,423	1,445,605	0	3,881	628,615	634,252
Arkansas	90,794	128,030	-29.0%	23,486	23,235	67,308	104,796	0	0	0	0
Louisiana	470,733	531,471	-11.0%	184,864	223,287	80,339	96,745	0	0	205,530	211,438
Oklahoma	246,500	313,960	-21.0%	188,776	229,849	57,723	83,441	0	0	0	671
Texas	1,830,431	1,922,904	-4.8%	313,294	336,257	1,094,053	1,160,623	0	3,881	423,085	422,143
Mountain	581,422	611,904	-5.0%	362,079	382,271	218,798	223,404	0	0	545	6,229
Arizona	203,770	227,210	-10.0%	86,166	111,161	117,604	115,891	0	0	0	159
Colorado	81,620	80,575	1.3%	45,549	46,149	36,071	34,427	0	0	0	0
Idaho	22,741	12,738	79.0%	11,262	4,395	11,479	8,343	0	0	0	0
Montana	0	19	-100.0%	0	8	0	10	0	0	0	0
Nevada	163,416	177,682	-8.0%	136,667	138,470	26,748	39,212	0	0	0	0
New Mexico	64,705	64,840	-0.2%	42,839	43,108	21,866	21,732	0	0	0	0
Utah	45,088	43,553	3.5%	39,513	38,681	5,029	3,776	0	0	545	1,096
Wyoming	82	5,287	-98.0%	82	301	0	12	0	0	0	4,974
Pacific Contiguous	900,774	917,681	-1.8%	328,042	307,298	528,106	541,480	0	0	44,626	68,903
California	731,572	793,427	-7.8%	228,572	250,913	458,374	477,250	0	0	44,626	65,265
Oregon	100,738	81,111	24.0%	36,742	28,231	63,995	52,846	0	0	0	34
Washington	68,465	43,143	59.0%	62,728	28,155	5,737	11,384	0	0	0	3,604
Pacific Noncontiguous	24,685	33,135	-26.0%	24,685	33,135	0	0	0	0	0	0
Alaska	24,685	33,135	-26.0%	24,685	33,135	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	8,463,303	9,531,389	-11.0%	3,654,627	4,003,457	4,080,785	4,696,637	5,450	18,008	722,441	813,288

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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, December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012
New England	W	3.41	W	4.01	4.30	W	3.03
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.01	4.30	-6.7%	4.01	4.30	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.64	2.47	6.9%	--	--	2.64	2.47
New Jersey	3.96	W	W	--	--	3.96	W
New York	3.27	W	W	--	--	3.27	W
Pennsylvania	2.56	2.37	8.0%	--	--	2.56	2.37
East North Central	2.27	2.34	-3.0%	2.39	2.48	2.00	2.00
Illinois	1.92	1.91	0.5%	2.00	1.98	1.91	1.90
Indiana	W	W	W	2.54	2.55	W	W
Michigan	W	W	W	2.54	2.73	W	W
Ohio	W	W	W	2.23	2.40	W	W
Wisconsin	2.27	2.31	-1.7%	2.27	2.31	--	--
West North Central	1.74	1.73	0.6%	1.74	1.73	--	--
Iowa	1.64	1.47	12.0%	1.64	1.47	--	--
Kansas	1.74	1.84	-5.4%	1.74	1.84	--	--
Minnesota	1.98	2.04	-2.9%	1.98	2.04	--	--
Missouri	1.85	1.83	1.1%	1.85	1.83	--	--
Nebraska	1.37	1.54	-11.0%	1.37	1.54	--	--
North Dakota	1.62	1.49	8.7%	1.62	1.49	--	--
South Dakota	2.06	2.03	1.5%	2.06	2.03	--	--
South Atlantic	3.17	3.33	-4.8%	3.29	3.38	2.69	3.16
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	3.42	W	3.44	3.42	W	--
Georgia	3.18	3.29	-3.3%	3.18	3.29	--	--
Maryland	3.29	3.87	-15.0%	--	--	3.29	3.87
North Carolina	3.80	3.74	1.6%	3.80	3.79	--	2.55
South Carolina	3.66	3.85	-4.9%	3.66	3.85	--	--
Virginia	W	W	W	3.10	3.31	W	W
West Virginia	2.50	2.69	-7.1%	2.70	2.78	2.22	2.57
East South Central	W	W	W	2.53	2.58	W	W
Alabama	2.75	2.86	-3.8%	2.75	2.86	--	--
Kentucky	2.39	2.36	1.3%	2.39	2.36	--	--
Mississippi	W	W	W	3.95	4.46	W	W
Tennessee	2.38	2.55	-6.7%	2.38	2.55	--	--
West South Central	2.03	2.02	0.5%	2.16	2.22	1.88	1.79
Arkansas	W	W	W	2.39	2.49	W	W
Louisiana	W	W	W	2.82	3.15	W	W
Oklahoma	W	W	W	1.98	1.92	W	W
Texas	1.91	1.87	2.1%	2.07	2.05	1.82	1.75
Mountain	W	1.80	W	2.00	1.85	W	1.34
Arizona	2.13	2.13	0.0%	2.13	2.13	--	--
Colorado	1.94	1.85	4.9%	1.94	1.85	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.50	W	W
Nevada	W	W	W	--	2.50	W	W
New Mexico	2.45	2.15	14.0%	2.45	2.15	--	--
Utah	2.05	1.95	5.1%	2.05	1.95	--	--
Wyoming	1.71	W	W	1.71	1.38	--	W
Pacific Contiguous	W	W	W	1.91	1.89	W	W
California	--	W	W	--	--	--	W
Oregon	1.91	1.89	1.1%	1.91	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.33	2.35	-0.9%	2.37	2.39	2.21	2.24

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	3.66	3.59	1.9%	4.21	4.07	3.45	3.34
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.21	4.07	3.4%	4.21	4.07	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.50	3.6%	--	--	2.59	2.50
New Jersey	3.87	4.05	-4.4%	--	--	3.87	4.05
New York	3.02	3.12	-3.2%	--	--	3.02	3.12
Pennsylvania	2.52	2.43	3.7%	--	--	2.52	2.43
East North Central	2.28	2.37	-3.8%	2.42	2.53	1.95	2.05
Illinois	1.88	1.93	-2.6%	2.06	2.08	1.86	1.91
Indiana	W	W	W	2.53	2.59	W	W
Michigan	W	W	W	2.65	2.78	W	W
Ohio	W	W	W	2.24	2.41	W	W
Wisconsin	2.32	2.37	-2.1%	2.32	2.37	--	--
West North Central	1.75	1.72	1.7%	1.75	1.72	--	--
Iowa	1.62	1.48	9.5%	1.62	1.48	--	--
Kansas	1.77	1.83	-3.3%	1.77	1.83	--	--
Minnesota	2.00	1.98	1.0%	2.00	1.98	--	--
Missouri	1.89	1.85	2.2%	1.89	1.85	--	--
Nebraska	1.42	1.55	-8.4%	1.42	1.55	--	--
North Dakota	1.58	1.49	6.0%	1.58	1.49	--	--
South Dakota	2.00	2.19	-8.7%	2.00	2.19	--	--
South Atlantic	3.21	3.35	-4.2%	3.32	3.45	2.76	2.92
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.41	3.49	W	W
Georgia	3.17	3.47	-8.6%	3.17	3.47	--	--
Maryland	3.43	3.62	-5.2%	--	--	3.43	3.62
North Carolina	3.87	3.77	2.7%	3.87	3.82	--	2.59
South Carolina	3.75	W	W	3.75	3.97	--	W
Virginia	W	W	W	3.26	3.61	W	W
West Virginia	2.49	2.54	-2.0%	2.68	2.70	2.19	2.27
East South Central	W	W	W	2.52	2.69	W	W
Alabama	2.79	3.01	-7.3%	2.79	3.01	--	--
Kentucky	2.36	2.42	-2.5%	2.36	2.42	--	--
Mississippi	W	W	W	3.95	4.45	W	W
Tennessee	2.39	2.61	-8.4%	2.39	2.61	--	--
West South Central	2.09	2.00	4.5%	2.25	2.12	1.91	1.87
Arkansas	W	W	W	2.40	2.25	W	W
Louisiana	W	W	W	2.90	2.87	W	W
Oklahoma	W	W	W	2.02	1.97	W	W
Texas	1.97	1.88	4.8%	2.15	1.99	1.86	1.82
Mountain	W	1.84	W	1.95	1.87	W	1.42
Arizona	2.07	2.07	0.0%	2.07	2.07	--	--
Colorado	1.91	1.84	3.8%	1.91	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.61	W	W
Nevada	W	W	W	2.74	2.55	W	W
New Mexico	2.31	2.18	6.0%	2.31	2.18	--	--
Utah	2.04	1.92	6.3%	2.04	1.92	--	--
Wyoming	1.55	W	W	1.55	1.45	--	W
Pacific Contiguous	W	W	W	1.96	1.89	W	W
California	W	W	W	--	--	W	W
Oregon	1.96	1.89	3.7%	1.96	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.34	2.37	-1.3%	2.38	2.43	2.21	2.21

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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, December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012
New England	W	W	W	22.28	23.33	W	W
Connecticut	W	23.77	W	--	22.80	W	24.92
Maine	W	W	W	--	--	W	W
Massachusetts	18.78	W	W	21.94	24.06	18.50	W
New Hampshire	W	24.62	W	22.83	24.62	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	23.35	19.53	20.0%	24.64	25.99	23.28	19.52
New Jersey	22.86	W	W	--	--	22.86	W
New York	24.82	W	W	24.64	25.99	24.89	W
Pennsylvania	23.04	23.12	-0.3%	--	--	23.04	23.12
East North Central	24.20	23.03	5.1%	24.32	22.95	22.57	23.64
Illinois	W	24.03	W	22.67	24.47	W	23.82
Indiana	26.20	23.30	12.0%	26.20	23.30	--	--
Michigan	21.72	22.46	-3.3%	21.72	22.46	--	--
Ohio	22.38	22.98	-2.6%	22.34	22.93	22.66	23.50
Wisconsin	W	22.53	W	22.07	22.53	W	--
West North Central	22.32	22.28	0.2%	22.32	22.28	--	--
Iowa	22.21	22.44	-1.0%	22.21	22.44	--	--
Kansas	22.01	22.78	-3.4%	22.01	22.78	--	--
Minnesota	22.70	23.87	-4.9%	22.70	23.87	--	--
Missouri	22.03	21.51	2.4%	22.03	21.51	--	--
Nebraska	22.18	--	--	22.18	--	--	--
North Dakota	23.20	22.36	3.8%	23.20	22.36	--	--
South Dakota	23.34	--	--	23.34	--	--	--
South Atlantic	23.11	20.52	13.0%	23.16	20.34	22.77	22.44
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	18.82	W	24.04	18.82	W	--
Georgia	23.43	W	W	23.43	24.37	--	W
Maryland	W	W	W	--	--	W	W
North Carolina	22.37	W	W	22.37	23.66	--	W
South Carolina	22.75	24.12	-5.7%	22.75	24.12	--	--
Virginia	W	W	W	21.15	20.88	W	W
West Virginia	23.26	22.71	2.4%	23.26	22.71	--	--
East South Central	21.67	22.13	-2.1%	21.67	22.13	--	--
Alabama	21.81	22.39	-2.6%	21.81	22.39	--	--
Kentucky	21.88	23.15	-5.5%	21.88	23.15	--	--
Mississippi	21.60	22.97	-6.0%	21.60	22.97	--	--
Tennessee	21.48	21.61	-0.6%	21.48	21.61	--	--
West South Central	22.15	22.83	-3.0%	21.88	22.64	22.43	22.99
Arkansas	W	W	W	21.88	22.60	W	W
Louisiana	W	W	W	21.83	--	W	W
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	24.02	22.80	W	W
Mountain	W	W	W	23.97	22.15	W	W
Arizona	24.76	20.09	23.0%	24.76	20.09	--	--
Colorado	24.19	12.24	98.0%	24.19	12.24	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.41	24.48	W	W
New Mexico	23.70	24.95	-5.0%	23.70	24.95	--	--
Utah	23.47	W	W	23.47	19.27	--	W
Wyoming	23.70	21.23	12.0%	23.70	21.23	--	--
Pacific Contiguous	W	W	W	--	24.51	W	W
California	--	25.53	--	--	25.53	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	24.31	W	W
Pacific Noncontiguous	W	W	W	20.80	21.23	W	W
Alaska	--	22.56	--	--	22.56	--	--
Hawaii	W	W	W	20.80	21.01	W	W
U.S. Total	21.24	20.87	1.8%	21.90	21.36	19.70	19.60

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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) December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	17.85	18.64	-4.2%	18.60	21.43	17.73	18.47
Connecticut	W	W	W	--	23.87	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	18.14	17.17	5.6%	21.91	17.45	17.66	17.16
New Hampshire	W	23.23	W	16.84	23.23	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	24.11	--	--	24.11	--	--
Middle Atlantic	20.43	W	W	21.96	21.01	19.99	W
New Jersey	21.37	19.77	8.1%	--	--	21.37	19.77
New York	19.92	W	W	21.96	21.01	19.07	W
Pennsylvania	22.16	21.84	1.5%	--	--	22.16	21.84
East North Central	23.15	23.10	0.2%	23.16	22.98	23.11	23.73
Illinois	W	W	W	23.49	24.35	W	W
Indiana	23.98	23.19	3.4%	23.98	23.19	--	--
Michigan	W	W	W	22.67	22.67	W	W
Ohio	22.93	23.06	-0.6%	22.87	23.03	23.09	23.22
Wisconsin	W	W	W	22.39	22.00	W	W
West North Central	22.62	22.37	1.1%	22.62	22.37	--	--
Iowa	22.55	22.91	-1.6%	22.55	22.91	--	--
Kansas	22.41	22.93	-2.3%	22.41	22.93	--	--
Minnesota	23.14	23.76	-2.6%	23.14	23.76	--	--
Missouri	22.25	20.42	9.0%	22.25	20.42	--	--
Nebraska	22.39	22.96	-2.5%	22.39	22.96	--	--
North Dakota	23.24	23.80	-2.4%	23.24	23.80	--	--
South Dakota	23.32	20.69	13.0%	23.32	20.69	--	--
South Atlantic	W	W	W	20.71	21.38	W	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	W	W	19.38	20.16	W	W
Georgia	W	W	W	23.39	24.24	W	W
Maryland	21.81	22.67	-3.8%	--	--	21.81	22.67
North Carolina	W	W	W	22.55	23.18	W	W
South Carolina	23.10	21.36	8.1%	23.10	21.36	--	--
Virginia	W	W	W	17.88	18.74	W	W
West Virginia	23.43	W	W	23.43	23.34	--	W
East South Central	W	W	W	22.50	22.62	W	W
Alabama	W	W	W	22.30	22.81	W	W
Kentucky	22.62	22.92	-1.3%	22.62	22.92	--	--
Mississippi	21.57	22.22	-2.9%	21.57	22.22	--	--
Tennessee	22.64	22.08	2.5%	22.64	22.08	--	--
West South Central	22.24	22.72	-2.1%	22.25	22.88	22.24	22.59
Arkansas	W	W	W	22.06	22.99	W	W
Louisiana	W	W	W	21.99	22.37	W	W
Oklahoma	22.33	22.77	-1.9%	22.33	22.77	--	--
Texas	W	W	W	22.44	23.00	W	W
Mountain	W	23.32	W	23.84	23.86	W	19.01
Arizona	24.30	23.41	3.8%	24.30	23.41	--	--
Colorado	23.60	W	W	23.60	16.94	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.32	25.23	W	W
New Mexico	24.42	25.77	-5.2%	24.42	25.77	--	--
Utah	22.34	W	W	22.34	23.55	--	W
Wyoming	23.30	22.40	4.0%	23.30	22.40	--	--
Pacific Contiguous	W	W	W	23.23	24.93	W	W
California	--	26.89	--	--	26.89	--	--
Oregon	22.05	22.68	-2.8%	22.05	22.68	--	--
Washington	W	W	W	23.60	24.73	W	W
Pacific Noncontiguous	W	W	W	20.74	22.12	W	W
Alaska	--	23.40	--	--	23.40	--	--
Hawaii	W	W	W	20.74	21.99	W	W
U.S. Total	20.62	22.16	-6.9%	21.12	22.11	19.69	22.34

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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, December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.45	--	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	1.45	--	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.24	2.43	-7.8%	2.24	2.43	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.24	2.43	-7.8%	2.24	2.43	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.74	1.84	-5.4%	1.74	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.74	1.84	-5.4%	1.74	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.72	1.93	-11.0%	1.72	1.93	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.72	1.93	-11.0%	1.72	1.93	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.84	2.05	W	W

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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) December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.48	4.10	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.56	--	--	4.56	--	--
Michigan	W	W	W	1.43	--	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.75	1.69	3.6%	1.75	1.69	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.58	2.58	0.0%	2.58	2.58	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.58	2.58	0.0%	2.58	2.58	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.81	1.83	-1.1%	1.81	1.83	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.81	1.83	-1.1%	1.81	1.83	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.93	W	W	1.93	1.99	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.93	1.99	-3.0%	1.93	1.99	--	--
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	2.13	W	2.10	2.30	W	0.82

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, December 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013	December 2012	Percentage Change	December 2013	December 2012	December 2013	December 2012
New England	11.03	5.72	93.0%	16.08	6.05	11.01	5.72
Connecticut	9.43	5.89	60.0%	--	14.84	9.43	5.88
Maine	W	W	W	--	--	W	W
Massachusetts	12.58	5.49	129.0%	16.13	5.83	12.54	5.48
New Hampshire	W	12.00	W	7.89	12.00	W	--
Rhode Island	11.38	W	W	--	--	11.38	W
Vermont	--	5.06	--	--	5.06	--	--
Middle Atlantic	5.14	4.53	13.0%	5.97	5.45	5.01	4.37
New Jersey	4.72	4.57	3.3%	--	--	4.72	4.57
New York	5.84	5.06	15.0%	5.97	5.45	5.79	4.88
Pennsylvania	4.56	3.90	17.0%	--	--	4.56	3.90
East North Central	4.49	4.05	11.0%	4.61	4.29	4.41	3.88
Illinois	W	W	W	6.23	5.73	W	W
Indiana	W	W	W	4.64	3.94	W	W
Michigan	5.08	W	W	5.19	7.06	5.04	W
Ohio	3.98	3.76	5.9%	4.05	3.82	3.95	3.73
Wisconsin	4.87	4.01	21.0%	5.14	4.21	4.57	3.72
West North Central	5.23	W	W	5.23	4.12	5.20	W
Iowa	5.93	3.91	52.0%	5.93	3.91	--	--
Kansas	6.00	4.79	25.0%	6.00	4.79	--	--
Minnesota	W	W	W	5.20	3.99	W	W
Missouri	W	W	W	4.82	4.18	W	W
Nebraska	5.78	10.51	-45.0%	5.78	10.51	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	4.83	4.35	11.0%	4.83	4.35	--	--
South Atlantic	5.25	4.73	11.0%	5.28	4.87	5.04	3.85
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	5.43	5.15	5.4%	5.44	5.24	4.19	3.47
Georgia	4.99	4.01	24.0%	4.88	3.97	6.36	4.10
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	5.21	5.04	W	W
South Carolina	4.99	4.24	18.0%	4.99	4.24	--	--
Virginia	4.59	W	W	5.06	4.00	4.08	W
West Virginia	4.20	3.16	33.0%	4.36	3.71	4.16	2.99
East South Central	4.44	3.71	20.0%	4.39	3.71	4.55	3.73
Alabama	4.45	W	W	4.33	3.74	4.55	W
Kentucky	W	6.67	W	8.87	6.67	W	--
Mississippi	W	W	W	4.31	3.59	W	W
Tennessee	4.26	3.60	18.0%	4.26	3.60	--	--
West South Central	4.34	3.70	17.0%	4.44	3.83	4.28	3.62
Arkansas	4.87	3.85	26.0%	5.49	4.62	4.64	3.69
Louisiana	4.22	3.80	11.0%	4.41	3.72	3.83	4.00
Oklahoma	4.48	3.83	17.0%	4.47	3.86	4.53	3.72
Texas	4.30	3.64	18.0%	4.36	3.87	4.29	3.58
Mountain	4.84	W	W	4.87	4.49	4.78	W
Arizona	5.22	4.43	18.0%	5.79	5.21	4.70	3.30
Colorado	W	W	W	5.15	5.08	W	W
Idaho	W	W	W	5.03	7.11	W	W
Montana	--	W	W	--	4.99	--	W
Nevada	W	4.26	W	4.52	4.34	W	3.92
New Mexico	4.63	4.00	16.0%	4.63	4.00	--	--
Utah	4.25	3.91	8.7%	4.25	3.91	--	--
Wyoming	6.98	W	W	6.98	7.72	--	W
Pacific Contiguous	4.95	4.25	16.0%	5.07	4.77	4.85	3.82
California	5.01	4.22	19.0%	5.14	4.64	4.91	3.85
Oregon	W	W	W	4.33	4.04	W	W
Washington	W	W	W	5.40	6.44	W	W
Pacific Noncontiguous	4.78	4.10	17.0%	4.78	4.10	--	--
Alaska	4.78	4.10	17.0%	4.78	4.10	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.98	4.26	17.0%	4.95	4.47	5.02	4.03

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2013 YTD	December 2012 YTD	Percentage Change	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	5.88	3.69	59.0%	7.29	4.73	5.88	3.68
Connecticut	6.06	3.88	56.0%	--	6.45	6.06	3.87
Maine	W	W	W	--	--	W	W
Massachusetts	5.75	3.55	62.0%	6.84	4.47	5.74	3.53
New Hampshire	W	W	W	8.85	5.54	W	W
Rhode Island	5.66	3.86	47.0%	--	--	5.66	3.86
Vermont	--	4.06	--	--	4.06	--	--
Middle Atlantic	4.53	3.52	29.0%	5.03	3.86	4.46	3.46
New Jersey	4.18	3.52	19.0%	--	--	4.18	3.52
New York	5.11	3.85	33.0%	5.03	3.86	5.14	3.84
Pennsylvania	4.02	3.06	31.0%	--	--	4.02	3.06
East North Central	4.12	3.10	33.0%	4.14	3.12	4.12	3.08
Illinois	W	W	W	4.82	3.25	W	W
Indiana	W	W	W	4.04	3.01	W	W
Michigan	4.49	3.16	42.0%	4.43	3.20	4.51	3.15
Ohio	3.82	2.98	28.0%	3.82	2.99	3.82	2.98
Wisconsin	4.37	3.20	37.0%	4.52	3.37	4.21	2.98
West North Central	4.54	W	W	4.55	3.56	4.45	W
Iowa	4.58	3.75	22.0%	4.58	3.75	--	--
Kansas	4.45	3.21	39.0%	4.45	3.21	--	--
Minnesota	W	W	W	4.66	3.71	W	W
Missouri	W	W	W	4.45	3.46	W	W
Nebraska	4.82	3.84	26.0%	4.82	3.84	--	--
North Dakota	--	5.70	--	--	5.70	--	--
South Dakota	4.21	3.43	23.0%	4.21	3.43	--	--
South Atlantic	4.78	4.23	13.0%	4.85	4.42	4.34	3.13
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	5.00	4.72	5.9%	5.06	4.82	3.22	2.56
Georgia	4.38	3.35	31.0%	4.34	3.38	4.54	3.29
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	4.81	4.36	W	W
South Carolina	W	W	W	4.59	3.62	W	W
Virginia	4.13	3.27	26.0%	4.30	3.32	3.85	3.20
West Virginia	4.15	3.24	28.0%	3.81	3.20	4.21	3.25
East South Central	4.00	2.98	34.0%	3.97	2.99	4.06	2.96
Alabama	4.06	3.04	34.0%	4.01	3.12	4.10	3.00
Kentucky	W	W	W	5.74	3.52	W	W
Mississippi	W	W	W	3.89	2.91	W	W
Tennessee	3.79	2.87	32.0%	3.79	2.87	--	--
West South Central	3.89	2.95	32.0%	4.00	3.01	3.82	2.90
Arkansas	4.22	3.12	35.0%	5.17	3.86	3.89	2.95
Louisiana	3.87	2.94	32.0%	3.94	2.98	3.70	2.83
Oklahoma	3.99	2.96	35.0%	4.02	3.03	3.89	2.76
Texas	3.85	2.93	31.0%	3.95	2.97	3.82	2.92
Mountain	4.37	W	W	4.47	3.52	4.13	W
Arizona	4.52	3.43	32.0%	4.96	3.69	4.03	3.09
Colorado	4.71	W	W	4.77	4.01	4.61	W
Idaho	W	W	W	4.35	4.20	W	W
Montana	--	W	W	--	4.06	--	W
Nevada	W	3.39	W	4.29	3.41	W	3.28
New Mexico	4.21	W	W	4.21	3.35	--	W
Utah	3.95	2.93	35.0%	3.95	2.93	--	--
Wyoming	7.16	W	W	7.16	5.86	--	W
Pacific Contiguous	4.30	3.55	21.0%	4.57	3.92	4.08	3.27
California	4.39	3.59	22.0%	4.75	3.97	4.15	3.32
Oregon	W	W	W	3.81	3.09	W	W
Washington	W	W	W	4.47	4.35	W	W
Pacific Noncontiguous	4.70	4.29	9.6%	4.70	4.29	--	--
Alaska	4.70	4.29	9.6%	4.70	4.29	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.38	3.46	27.0%	4.50	3.74	4.25	3.17

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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, December 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	308	0.99	9.2	82	0.09	2.0	0	--	--
Connecticut	0	--	--	82	0.09	2.0	0	--	--
Maine	10	0.82	7.9	0	--	--	0	--	--
Massachusetts	248	0.69	9.7	0	--	--	0	--	--
New Hampshire	50	2.40	7.5	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,501	2.98	10.3	61	0.23	5.4	0	--	--
New Jersey	95	1.56	9.3	0	--	--	0	--	--
New York	109	2.26	9.3	61	0.23	5.4	0	--	--
Pennsylvania	2,297	3.08	10.4	0	--	--	0	--	--
East North Central	6,981	2.95	9.9	8,702	0.25	4.9	0	--	--
Illinois	730	3.58	19.1	4,460	0.21	4.7	0	--	--
Indiana	3,016	2.78	8.8	222	0.28	5.2	0	--	--
Michigan	229	1.67	8.2	2,213	0.30	5.0	0	--	--
Ohio	2,874	3.14	9.3	146	0.32	5.8	0	--	--
Wisconsin	132	2.41	7.7	1,659	0.27	5.3	0	--	--
West North Central	55	3.33	10.7	8,565	0.29	5.2	1,881	0.84	9.9
Iowa	23	3.50	8.0	1,440	0.27	5.0	0	--	--
Kansas	18	3.59	15.6	1,481	0.35	5.2	0	--	--
Minnesota	0	--	--	1,032	0.40	6.3	0	--	--
Missouri	14	2.78	9.1	3,344	0.23	4.9	0	--	--
Nebraska	0	--	--	1,084	0.28	5.5	0	--	--
North Dakota	0	--	--	0	--	--	1,881	0.84	9.9
South Dakota	0	--	--	184	0.40	6.3	0	--	--
South Atlantic	8,253	2.06	10.8	1,058	0.29	4.7	0	--	--
Delaware	81	2.60	8.0	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,715	2.07	8.9	0	--	--	0	--	--
Georgia	501	1.20	10.1	1,013	0.30	4.7	0	--	--
Maryland	494	1.90	10.4	46	0.22	5.0	0	--	--
North Carolina	1,167	1.83	9.4	0	--	--	0	--	--
South Carolina	789	1.53	8.5	0	--	--	0	--	--
Virginia	913	1.04	16.0	0	--	--	0	--	--
West Virginia	2,594	2.82	11.9	0	--	--	0	--	--
East South Central	4,830	2.45	9.7	2,014	0.26	5.2	278	0.54	13.6
Alabama	879	1.56	10.1	1,152	0.25	5.3	0	--	--
Kentucky	3,197	2.83	9.8	72	0.21	5.1	0	--	--
Mississippi	168	1.45	9.8	0	--	--	278	0.54	13.6
Tennessee	585	2.07	8.3	791	0.28	5.1	0	--	--
West South Central	84	2.49	15.1	8,175	0.28	5.2	3,643	1.08	17.2
Arkansas	0	--	--	1,557	0.26	5.4	0	--	--
Louisiana	47	3.36	7.7	833	0.28	5.0	58	0.62	16.1
Oklahoma	37	1.35	24.9	1,623	0.24	5.0	0	--	--
Texas	0	--	--	4,162	0.30	5.3	3,585	1.09	17.2
Mountain	2,390	0.61	14.3	5,934	0.54	8.9	0	--	--
Arizona	557	0.52	10.7	1,215	0.72	10.8	0	--	--
Colorado	312	0.52	10.8	1,234	0.32	5.8	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	615	0.68	8.8	0	--	--
Nevada	0	--	--	90	0.33	5.3	0	--	--
New Mexico	561	0.86	26.1	398	0.78	21.4	0	--	--
Utah	959	0.56	11.9	77	1.12	9.1	0	--	--
Wyoming	0	--	--	2,304	0.49	7.5	0	--	--
Pacific Contiguous	53	0.42	9.0	766	0.44	8.1	0	--	--
California	53	0.42	9.0	0	--	--	0	--	--
Oregon	0	--	--	174	0.34	4.7	0	--	--
Washington	0	--	--	593	0.46	9.0	0	--	--
Pacific Noncontiguous	62	1.15	4.1	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	62	1.15	4.1	0	--	--	0	--	--
U.S. Total	25,516	2.33	10.5	35,358	0.32	5.8	5,803	0.98	14.6

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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, December 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	50	2.40	7.5	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	50	2.40	7.5	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	5,749	2.91	8.9	4,411	0.28	5.1	0	--	--
Illinois	180	3.49	11.2	353	0.21	4.9	0	--	--
Indiana	2,765	2.74	8.7	222	0.28	5.2	0	--	--
Michigan	196	1.78	8.1	2,202	0.30	5.0	0	--	--
Ohio	2,505	3.16	9.1	0	--	--	0	--	--
Wisconsin	104	2.36	7.8	1,634	0.27	5.3	0	--	--
West North Central	21	3.09	14.5	8,469	0.29	5.2	1,881	0.84	9.9
Iowa	0	--	--	1,345	0.27	5.0	0	--	--
Kansas	18	3.59	15.6	1,481	0.35	5.2	0	--	--
Minnesota	0	--	--	1,032	0.40	6.3	0	--	--
Missouri	3	0.49	8.9	3,344	0.23	4.9	0	--	--
Nebraska	0	--	--	1,084	0.28	5.5	0	--	--
North Dakota	0	--	--	0	--	--	1,881	0.84	9.9
South Dakota	0	--	--	184	0.40	6.3	0	--	--
South Atlantic	6,422	1.88	10.5	1,013	0.30	4.7	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,665	2.11	8.8	0	--	--	0	--	--
Georgia	464	1.16	10.0	1,013	0.30	4.7	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,167	1.83	9.4	0	--	--	0	--	--
South Carolina	779	1.54	8.5	0	--	--	0	--	--
Virginia	831	1.00	16.8	0	--	--	0	--	--
West Virginia	1,517	2.49	11.3	0	--	--	0	--	--
East South Central	4,699	2.50	9.7	2,014	0.26	5.2	0	--	--
Alabama	879	1.56	10.1	1,152	0.25	5.3	0	--	--
Kentucky	3,197	2.83	9.8	72	0.21	5.1	0	--	--
Mississippi	168	1.45	9.8	0	--	--	0	--	--
Tennessee	455	2.44	8.3	791	0.28	5.1	0	--	--
West South Central	47	3.36	7.7	5,476	0.26	5.2	541	1.51	21.7
Arkansas	0	--	--	1,362	0.26	5.4	0	--	--
Louisiana	47	3.36	7.7	244	0.32	5.7	58	0.62	16.1
Oklahoma	0	--	--	1,581	0.24	5.0	0	--	--
Texas	0	--	--	2,289	0.26	5.2	483	1.63	22.5
Mountain	2,390	0.61	14.3	5,228	0.53	8.9	0	--	--
Arizona	557	0.52	10.7	1,215	0.72	10.8	0	--	--
Colorado	312	0.52	10.8	1,234	0.32	5.8	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	561	0.86	26.1	398	0.78	21.4	0	--	--
Utah	959	0.56	11.9	77	1.12	9.1	0	--	--
Wyoming	0	--	--	2,304	0.49	7.5	0	--	--
Pacific Contiguous	0	--	--	174	0.34	4.7	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	174	0.34	4.7	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,379	2.20	10.3	26,785	0.33	5.9	2,423	0.97	12.3

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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, December 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	254	0.70	9.6	82	0.09	2.0	0	--	--
Connecticut	0	--	--	82	0.09	2.0	0	--	--
Maine	6	0.82	7.9	0	--	--	0	--	--
Massachusetts	248	0.69	9.7	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,454	3.01	10.3	61	0.23	5.4	0	--	--
New Jersey	95	1.56	9.3	0	--	--	0	--	--
New York	77	2.74	9.5	61	0.23	5.4	0	--	--
Pennsylvania	2,283	3.08	10.4	0	--	--	0	--	--
East North Central	1,037	3.20	16.0	4,219	0.21	4.7	0	--	--
Illinois	422	3.66	27.1	4,061	0.21	4.7	0	--	--
Indiana	250	3.20	10.3	0	--	--	0	--	--
Michigan	22	1.16	8.6	11	0.22	4.7	0	--	--
Ohio	342	2.94	10.7	146	0.32	5.8	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	1,685	2.75	11.5	46	0.22	5.0	0	--	--
Delaware	81	2.60	8.0	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	51	1.00	10.8	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	462	1.87	9.8	46	0.22	5.0	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	44	0.83	9.6	0	--	--	0	--	--
West Virginia	1,048	3.33	12.6	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	278	0.54	13.6
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	278	0.54	13.6
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	37	1.35	24.9	2,700	0.32	5.2	3,102	1.02	16.5
Arkansas	0	--	--	195	0.25	5.6	0	--	--
Louisiana	0	--	--	589	0.26	4.7	0	--	--
Oklahoma	37	1.35	24.9	42	0.24	4.6	0	--	--
Texas	0	--	--	1,874	0.35	5.3	3,102	1.02	16.5
Mountain	0	--	--	705	0.63	8.4	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	615	0.68	8.8	0	--	--
Nevada	0	--	--	90	0.33	5.3	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	593	0.46	9.0	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	593	0.46	9.0	0	--	--
Pacific Noncontiguous	62	1.15	4.1	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	62	1.15	4.1	0	--	--	0	--	--
U.S. Total	5,529	2.83	11.6	8,405	0.30	5.5	3,380	0.98	16.3

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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, December 2013

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	11	3.45	9.2	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	11	3.45	9.2	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	11	3.45	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, December 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	4	0.82	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	4	0.82	7.9	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	47	1.54	9.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	33	1.22	8.8	0	--	--	0	--	--
Pennsylvania	14	2.31	12.1	0	--	--	0	--	--
East North Central	195	3.19	8.5	72	0.36	5.4	0	--	--
Illinois	129	3.49	8.4	46	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	11	0.58	9.0	0	--	--	0	--	--
Ohio	27	3.62	10.1	0	--	--	0	--	--
Wisconsin	28	2.57	7.4	25	0.27	5.2	0	--	--
West North Central	23	3.50	8.0	96	0.22	4.4	0	--	--
Iowa	23	3.50	8.0	96	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	146	1.68	12.1	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	38	1.66	11.3	0	--	--	0	--	--
Maryland	32	2.43	19.4	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	10	0.73	8.8	0	--	--	0	--	--
Virginia	38	1.87	8.1	0	--	--	0	--	--
West Virginia	28	0.98	12.4	0	--	--	0	--	--
East South Central	130	0.87	8.5	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	130	0.87	8.5	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	53	0.42	9.0	0	--	--	0	--	--
California	53	0.42	9.0	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	597	1.88	9.5	167	0.28	4.8	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 - December 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	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,391,090	1,338,448	954,725	7,525	3,691,789
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	125,881	105,239	79,205	650	310,975
February	107,975	100,080	78,298	629	286,983
March	99,362	102,474	81,298	597	283,731
April	88,103	101,037	81,030	590	270,760
May	100,895	110,800	84,678	595	296,968
June	122,934	118,009	83,619	597	325,160
July	154,579	128,535	87,219	629	370,963
August	147,941	128,106	88,105	633	364,785
Sept	118,831	116,585	82,060	613	318,090
October	96,669	110,471	82,996	599	290,735
November	97,155	101,641	78,847	569	278,212
December	114,188	104,122	78,360	619	297,288
2013					
January	131,354	107,400	78,141	656	317,551
February	112,857	100,722	74,453	649	288,681
March	111,784	103,839	78,097	633	294,352
April	95,297	101,385	77,633	623	274,937
May	94,978	108,883	82,086	619	286,566
June	117,708	117,670	81,411	629	317,418
July	143,438	127,735	83,703	637	355,513
August	137,734	127,369	84,701	634	350,437
Sept	121,114	118,977	80,298	631	321,020
October	98,656	112,171	80,463	589	291,879
November	97,812	103,449	77,536	562	279,359
December	128,357	108,849	76,205	665	314,076
Year to Date					
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,391,090	1,338,448	954,725	7,525	3,691,789
Rolling 12 Months Ending in December					
2012	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,391,090	1,338,448	954,725	7,525	3,691,789

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 2012 and prior years are final. Values for 2013 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; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - December 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	163,280	133,898	65,761	747	363,687
2013	168,546	137,778	65,111	773	372,208
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	14,360	10,352	5,102	64	29,878
February	12,424	9,944	5,052	60	27,479
March	11,621	10,086	5,250	59	27,015
April	10,504	9,919	5,168	60	25,650
May	12,011	11,039	5,528	59	28,637
June	14,863	12,259	5,765	62	32,949
July	18,553	13,354	6,219	67	38,193
August	18,009	13,313	6,239	67	37,629
Sept	14,614	12,238	5,716	66	32,634
October	11,633	11,131	5,491	61	28,316
November	11,418	10,052	5,122	59	26,651
December	13,271	10,212	5,110	64	28,656
2013					
January	15,068	10,515	5,040	67	30,690
February	13,122	10,141	4,923	66	28,253
March	12,972	10,406	5,149	62	28,589
April	11,368	10,100	5,069	62	26,598
May	11,796	11,171	5,497	63	28,527
June	14,758	12,592	5,806	65	33,221
July	18,094	13,747	6,123	67	38,032
August	17,230	13,659	6,144	66	37,098
Sept	15,125	12,564	5,734	67	33,490
October	12,142	11,553	5,468	61	29,223
November	11,827	10,470	5,111	58	27,466
December	15,045	10,861	5,048	68	31,022
Year to Date					
2011	166,714	135,926	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
2013	168,546	137,778	65,111	773	372,208
Rolling 12 Months Ending in December					
2012	163,280	133,898	65,761	747	363,687
2013	168,546	137,778	65,111	773	372,208

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Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2012 and prior years are final. Values for 2013 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; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - December 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	10.09	6.67	10.21	9.84
2013	12.12	10.29	6.82	10.28	10.08
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	11.41	9.84	6.44	9.78	9.61
February	11.51	9.94	6.45	9.61	9.58
March	11.70	9.84	6.46	9.95	9.52
April	11.92	9.82	6.38	10.11	9.47
May	11.90	9.96	6.53	9.97	9.64
June	12.09	10.39	6.89	10.33	10.13
July	12.00	10.39	7.13	10.70	10.30
August	12.17	10.39	7.08	10.53	10.32
Sept	12.30	10.50	6.97	10.74	10.26
October	12.03	10.08	6.62	10.13	9.74
November	11.75	9.89	6.50	10.41	9.58
December	11.62	9.81	6.52	10.28	9.64
2013					
January	11.47	9.79	6.45	10.24	9.66
February	11.63	10.07	6.61	10.23	9.79
March	11.60	10.02	6.59	9.83	9.71
April	11.93	9.96	6.53	9.95	9.67
May	12.42	10.26	6.70	10.16	9.95
June	12.54	10.70	7.13	10.39	10.47
July	12.61	10.76	7.32	10.57	10.70
August	12.51	10.72	7.25	10.38	10.59
Sept	12.49	10.56	7.14	10.60	10.43
October	12.31	10.30	6.80	10.41	10.01
November	12.09	10.12	6.59	10.40	9.83
December	11.72	9.98	6.62	10.17	9.88
Year to Date					
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2013	12.12	10.29	6.82	10.28	10.08
Rolling 12 Months Ending in December					
2012	11.88	10.09	6.67	10.21	9.84
2013	12.12	10.29	6.82	10.28	10.08

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 2012 and prior years are final. Values for 2013 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; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	4,475	4,208	3,717	3,656	2,154	2,253	52	49	10,398	10,166
Connecticut	1,226	1,119	1,078	1,046	275	271	15	15	2,594	2,451
Maine	468	431	348	331	261	235	0	0	1,076	997
Massachusetts	1,873	1,781	1,450	1,450	1,255	1,390	35	32	4,613	4,653
New Hampshire	416	398	374	370	160	160	0	0	950	927
Rhode Island	287	273	297	297	74	70	2	2	660	641
Vermont	205	207	170	163	129	127	0	0	504	497
Middle Atlantic	11,923	11,212	13,017	12,600	5,912	5,641	361	333	31,213	29,786
New Jersey	2,369	2,128	3,066	3,043	570	574	24	20	6,029	5,765
New York	4,353	4,211	6,277	6,038	1,382	1,165	258	235	12,271	11,649
Pennsylvania	5,201	4,874	3,674	3,520	3,959	3,902	79	77	12,913	12,373
East North Central	18,490	16,812	15,525	14,724	15,373	15,617	65	54	49,454	47,207
Illinois	4,449	3,872	4,415	4,114	3,464	3,640	58	48	12,385	11,675
Indiana	3,374	2,911	2,054	1,827	3,715	3,846	2	2	9,146	8,586
Michigan	3,267	3,085	3,212	3,220	2,449	2,282	1	0	8,928	8,588
Ohio	5,184	4,925	3,830	3,679	3,866	3,903	5	4	12,885	12,510
Wisconsin	2,217	2,019	2,014	1,883	1,879	1,946	0	0	6,109	5,847
West North Central	10,717	9,342	8,611	8,135	7,214	7,378	4	4	26,546	24,859
Iowa	1,476	1,302	1,079	1,007	1,650	1,551	0	0	4,205	3,859
Kansas	1,243	1,106	1,246	1,208	896	877	0	0	3,386	3,192
Minnesota	2,275	2,060	1,913	1,870	1,817	1,896	2	2	6,008	5,828
Missouri	3,563	3,011	2,594	2,425	1,299	1,442	2	2	7,458	6,880
Nebraska	1,029	862	810	745	852	942	0	0	2,692	2,549
North Dakota	620	568	556	497	481	455	0	0	1,656	1,520
South Dakota	510	432	411	384	220	216	0	0	1,141	1,031
South Atlantic	30,689	27,552	24,106	23,331	10,620	10,863	109	105	65,523	61,851
Delaware	430	370	340	345	171	193	0	0	941	908
District of Columbia	184	178	688	661	20	18	25	25	916	881
Florida	8,550	7,730	7,276	7,039	1,364	1,325	7	7	17,198	16,102
Georgia	4,818	4,245	3,605	3,501	2,448	2,447	13	13	10,884	10,206
Maryland	2,662	2,377	2,537	2,367	333	345	46	44	5,578	5,133
North Carolina	5,573	4,924	3,557	3,600	1,914	2,100	1	1	11,045	10,625
South Carolina	2,685	2,397	1,594	1,579	2,076	2,176	0	0	6,355	6,153
Virginia	4,564	4,152	3,871	3,633	1,331	1,307	16	15	9,783	9,107
West Virginia	1,222	1,180	638	606	962	951	0	0	2,823	2,738
East South Central	10,952	9,363	7,080	6,192	8,233	10,003	0	0	26,265	25,559
Alabama	2,907	2,516	1,880	1,652	2,720	2,707	0	0	7,507	6,875
Kentucky	2,633	2,295	1,507	1,452	2,451	3,717	0	0	6,591	7,464
Mississippi	1,577	1,342	1,028	974	1,388	1,383	0	0	3,993	3,700
Tennessee	3,834	3,210	2,666	2,113	1,674	2,196	0	0	8,174	7,520
West South Central	18,253	14,881	14,964	14,152	12,676	12,552	2	6	45,895	41,592
Arkansas	1,622	1,340	901	864	1,352	1,294	NM	0	3,875	3,497
Louisiana	2,502	2,106	1,889	1,799	2,520	2,451	1	1	6,912	6,357
Oklahoma	2,302	1,854	1,585	1,541	1,336	1,375	0	0	5,222	4,770
Texas	11,827	9,582	10,589	9,947	7,468	7,433	1	5	29,885	26,967
Mountain	8,286	7,559	7,560	7,462	6,595	6,647	12	10	22,453	21,677
Arizona	2,338	2,207	2,198	2,242	1,046	1,053	0	0	5,583	5,502
Colorado	1,665	1,555	1,640	1,625	1,300	1,247	6	5	4,611	4,432
Idaho	999	854	553	520	526	555	0	0	2,077	1,929
Montana	550	492	427	429	340	348	0	0	1,317	1,269
Nevada	921	815	715	729	1,097	1,067	1	1	2,734	2,612
New Mexico	606	568	711	721	614	608	0	0	1,932	1,896
Utah	886	799	934	862	857	876	6	4	2,683	2,541
Wyoming	320	269	382	335	816	893	0	0	1,517	1,496
Pacific Contiguous	14,115	12,789	13,722	13,336	7,023	6,969	60	59	34,920	33,153
California	7,659	7,141	9,699	9,411	3,782	3,726	58	56	21,198	20,334
Oregon	2,414	2,016	1,416	1,349	923	937	2	2	4,754	4,304
Washington	4,042	3,632	2,608	2,577	2,318	2,306	1	0	8,968	8,515
Pacific Noncontiguous	457	469	547	533	406	436	0	0	1,410	1,438
Alaska	231	236	257	261	112	129	0	0	600	626
Hawaii	226	232	290	272	294	307	0	0	810	812
U.S. Total	128,357	114,188	108,849	104,122	76,205	78,360	665	619	314,076	297,288

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 for 2012 are final. Values for 2013 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	48,064	47,208	44,886	44,864	26,852	27,818	576	566	120,378	120,456
Connecticut	13,093	12,758	13,029	12,976	3,392	3,566	190	193	29,704	29,492
Maine	4,658	4,481	4,098	4,053	3,085	3,027	0	0	11,841	11,561
Massachusetts	20,501	20,313	17,562	17,723	16,066	16,927	360	350	54,490	55,313
New Hampshire	4,531	4,439	4,503	4,478	1,959	1,953	0	0	10,993	10,870
Rhode Island	3,167	3,121	3,666	3,640	926	923	27	24	7,786	7,708
Vermont	2,113	2,095	2,027	1,994	1,422	1,422	0	0	5,563	5,511
Middle Atlantic	133,193	132,231	157,587	157,278	68,950	69,507	4,018	3,910	363,748	362,925
New Jersey	28,546	28,663	38,157	38,340	7,381	7,762	320	287	74,404	75,053
New York	50,588	50,692	76,285	76,018	13,663	13,705	2,865	2,748	143,401	143,163
Pennsylvania	54,060	52,876	43,145	42,920	47,906	48,039	833	875	145,943	144,710
East North Central	187,649	188,641	183,429	183,333	193,314	202,221	645	614	565,037	574,809
Illinois	46,512	46,902	51,025	50,808	43,447	45,277	573	553	141,557	143,540
Indiana	33,070	32,964	24,391	24,022	45,965	48,168	21	20	103,447	105,173
Michigan	33,991	34,461	37,859	38,514	30,613	31,836	6	7	102,470	104,818
Ohio	52,010	52,288	46,820	46,756	49,923	53,379	44	34	148,797	152,457
Wisconsin	22,067	22,026	23,334	23,233	23,366	23,561	0	0	68,767	68,820
West North Central	105,278	102,799	100,933	99,542	87,500	91,325	41	39	293,752	293,706
Iowa	14,467	13,988	12,373	12,210	19,649	19,512	0	0	46,490	45,709
Kansas	13,550	13,797	15,482	15,456	10,659	11,041	0	0	39,691	40,293
Minnesota	22,580	22,060	22,614	22,496	22,178	23,416	19	17	67,390	67,989
Missouri	34,858	34,337	30,933	30,483	16,582	17,594	22	22	82,394	82,435
Nebraska	10,031	9,680	9,378	9,233	10,613	11,915	0	0	30,022	30,828
North Dakota	5,033	4,485	5,485	5,109	5,204	5,124	0	0	15,722	14,717
South Dakota	4,758	4,454	4,668	4,557	2,616	2,724	0	0	12,042	11,734
South Atlantic	342,849	336,757	303,936	303,319	139,175	139,354	1,320	1,293	787,280	780,723
Delaware	4,557	4,522	4,169	4,243	2,507	2,755	0	0	11,234	11,519
District of Columbia	2,034	2,003	8,499	8,713	227	218	325	325	11,086	11,259
Florida	112,897	112,127	91,588	92,038	16,814	16,426	92	84	221,390	220,674
Georgia	54,296	53,660	45,975	45,937	31,235	31,225	156	157	131,663	130,979
Maryland	27,307	26,678	30,144	30,108	3,924	4,500	541	528	61,916	61,814
North Carolina	56,039	54,672	46,818	46,510	26,799	26,896	7	7	129,663	128,085
South Carolina	29,034	28,366	21,188	21,251	28,682	28,164	0	0	78,904	77,781
Virginia	45,109	43,535	47,763	46,757	16,968	17,316	195	188	110,034	107,795
West Virginia	11,576	11,195	7,792	7,763	12,019	11,856	4	4	31,391	30,817
East South Central	117,192	114,475	90,386	82,290	108,798	123,233	2	2	316,377	320,000
Alabama	31,434	30,632	22,465	21,799	34,248	33,751	0	0	88,147	86,183
Kentucky	26,561	26,097	20,696	18,756	36,150	44,196	0	0	83,407	89,048
Mississippi	18,424	17,993	13,690	13,585	16,667	16,810	0	0	48,781	48,388
Tennessee	40,773	39,754	33,536	28,150	21,732	28,476	2	2	96,043	96,381
West South Central	211,682	208,157	190,905	189,413	156,255	158,384	73	81	558,916	556,035
Arkansas	18,077	17,909	11,891	12,102	16,709	16,848	NM	0	46,678	46,860
Louisiana	30,499	30,027	24,281	24,245	30,816	30,449	11	11	85,607	84,731
Oklahoma	23,113	22,810	19,641	19,961	16,331	16,570	0	0	59,086	59,341
Texas	139,993	137,412	135,092	133,105	92,399	94,517	62	70	367,546	365,104
Mountain	96,375	94,872	93,916	94,114	82,840	82,292	124	99	273,255	271,377
Arizona	33,138	32,923	29,952	29,692	12,600	12,448	0	0	75,691	75,063
Colorado	18,570	18,220	19,750	19,997	15,489	15,415	62	52	53,871	53,685
Idaho	8,603	8,159	6,090	5,978	9,299	9,574	0	0	23,993	23,712
Montana	4,930	4,778	4,886	4,918	4,176	4,168	0	0	13,992	13,863
Nevada	12,135	12,123	9,305	9,315	13,680	13,734	8	8	35,128	35,180
New Mexico	6,809	6,764	8,997	9,166	7,377	7,249	0	0	23,183	23,179
Utah	9,352	9,188	10,878	10,803	10,050	9,694	54	38	30,334	29,723
Wyoming	2,838	2,717	4,058	4,245	10,168	10,009	0	0	17,064	16,971
Pacific Contiguous	144,093	144,476	166,379	166,835	86,085	86,536	727	717	397,284	398,563
California	88,880	90,110	120,948	121,792	46,444	46,952	699	685	256,971	259,538
Oregon	19,358	18,855	16,011	15,804	11,932	12,006	22	25	47,324	46,689
Washington	35,855	35,511	29,420	29,240	27,709	27,579	5	7	92,989	92,336
Pacific Noncontiguous	4,714	4,899	6,091	6,113	4,957	5,043	0	0	15,762	16,056
Alaska	2,106	2,160	2,822	2,875	1,334	1,381	0	0	6,261	6,416
Hawaii	2,609	2,739	3,269	3,238	3,623	3,662	0	0	9,501	9,639
U.S. Total	1,391,090	1,374,515	1,338,448	1,327,101	954,725	985,714	7,525	7,320	3,691,789	3,694,650

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	821	666	577	516	270	265	7	3	1,675	1,451
Connecticut	215	191	159	151	35	34	2	1	411	378
Maine	67	63	45	39	24	21	0	0	136	123
Massachusetts	377	270	243	216	167	170	5	2	793	658
New Hampshire	67	63	53	50	19	19	0	0	140	132
Rhode Island	59	43	51	37	11	8	0	0	121	88
Vermont	35	36	25	23	14	13	0	0	74	71
Middle Atlantic	1,819	1,680	1,612	1,575	419	412	42	42	3,892	3,710
New Jersey	362	330	376	364	61	60	3	2	801	756
New York	794	735	898	875	82	72	33	33	1,807	1,715
Pennsylvania	664	615	338	336	276	281	6	7	1,284	1,239
East North Central	2,099	1,967	1,422	1,364	984	1,024	3	3	4,509	4,358
Illinois	418	411	333	314	191	202	3	3	944	930
Indiana	350	305	193	169	245	244	0	0	788	719
Michigan	464	434	345	350	184	187	0	0	993	972
Ohio	581	561	348	343	232	257	0	0	1,161	1,161
Wisconsin	287	255	204	187	133	135	0	0	624	576
West North Central	1,067	920	717	654	450	443	0	0	2,234	2,016
Iowa	154	132	87	77	86	79	0	0	327	289
Kansas	135	121	114	108	62	62	0	0	311	290
Minnesota	258	226	173	161	126	121	0	0	557	508
Missouri	324	272	197	179	71	78	0	0	592	529
Nebraska	94	79	66	60	57	59	0	0	217	198
North Dakota	53	49	45	39	35	30	0	0	133	117
South Dakota	49	41	34	30	15	14	0	0	98	85
South Atlantic	3,382	3,035	2,267	2,164	689	698	10	9	6,347	5,906
Delaware	55	48	36	36	15	17	0	0	105	101
District of Columbia	23	21	82	78	1	1	2	2	109	103
Florida	975	880	694	682	104	105	1	1	1,774	1,668
Georgia	492	437	352	327	146	140	1	1	991	905
Maryland	357	301	275	245	28	28	4	4	664	577
North Carolina	584	513	314	308	121	132	0	0	1,019	953
South Carolina	309	285	158	154	130	129	0	0	597	567
Virginia	476	437	306	284	88	86	1	1	871	808
West Virginia	111	114	49	50	57	60	0	0	217	224
East South Central	1,098	967	687	625	476	596	0	0	2,261	2,189
Alabama	305	276	182	175	153	164	0	0	641	614
Kentucky	249	217	133	128	133	192	0	0	514	538
Mississippi	167	138	110	93	88	85	0	0	364	316
Tennessee	377	337	262	229	102	156	0	0	742	721
West South Central	1,886	1,514	1,197	1,113	726	677	0	1	3,809	3,305
Arkansas	144	121	71	67	77	73	NM	0	293	262
Louisiana	218	178	166	147	140	124	0	0	524	450
Oklahoma	187	162	116	106	70	68	0	0	373	335
Texas	1,336	1,053	844	793	439	412	0	1	2,620	2,259
Mountain	897	785	681	650	402	381	1	1	1,981	1,817
Arizona	257	230	203	202	65	62	0	0	526	493
Colorado	190	172	157	149	89	83	1	1	437	405
Idaho	93	73	41	35	30	26	0	0	164	134
Montana	55	49	40	40	19	18	0	0	114	106
Nevada	113	96	68	65	64	57	0	0	245	218
New Mexico	66	61	68	68	37	34	0	0	171	163
Utah	89	78	72	65	46	46	1	0	208	188
Wyoming	32	27	32	27	52	55	0	0	117	109
Pacific Contiguous	1,851	1,612	1,561	1,421	526	499	5	4	3,942	3,537
California	1,262	1,106	1,238	1,112	374	356	4	4	2,879	2,577
Oregon	240	196	117	110	52	51	0	0	409	357
Washington	349	310	206	200	99	93	0	0	654	603
Pacific Noncontiguous	124	125	140	130	106	112	0	0	371	367
Alaska	42	40	42	38	19	21	0	0	103	100
Hawaii	83	84	98	92	88	91	0	0	268	268
U.S. Total	15,045	13,271	10,861	10,212	5,048	5,110	68	64	31,022	28,656

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Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	7,788	7,418	6,321	6,137	3,268	3,292	53	38	17,429	16,885
Connecticut	2,302	2,213	1,907	1,901	430	452	20	19	4,658	4,584
Maine	669	657	480	467	257	242	0	0	1,405	1,366
Massachusetts	3,224	3,029	2,548	2,453	2,103	2,127	NM	17	7,905	7,627
New Hampshire	741	713	609	598	224	231	0	0	1,573	1,543
Rhode Island	490	450	480	432	110	99	3	2	1,083	982
Vermont	362	356	297	285	145	142	0	0	804	784
Middle Atlantic	20,944	20,195	20,493	20,395	5,001	5,206	489	489	46,927	46,285
New Jersey	4,487	4,524	4,883	4,899	790	816	33	28	10,194	10,267
New York	9,528	8,930	11,615	11,446	859	918	391	390	22,393	21,683
Pennsylvania	6,928	6,742	3,995	4,050	3,352	3,472	65	71	14,340	14,335
East North Central	22,528	22,730	17,445	17,336	12,709	13,164	37	39	52,719	53,269
Illinois	4,768	5,335	4,020	4,058	2,492	2,625	31	34	11,310	12,053
Indiana	3,584	3,470	2,313	2,196	3,030	3,053	2	2	8,930	8,721
Michigan	4,960	4,871	4,192	4,211	2,381	2,427	1	1	11,534	11,510
Ohio	6,193	6,148	4,392	4,429	3,044	3,328	3	2	13,632	13,908
Wisconsin	3,023	2,905	2,529	2,442	1,761	1,731	0	0	7,313	7,078
West North Central	11,524	10,888	9,034	8,446	5,772	5,733	4	3	26,333	25,069
Iowa	1,614	1,513	1,048	978	1,113	1,033	0	0	3,774	3,524
Kansas	1,566	1,551	1,477	1,427	754	783	0	0	3,797	3,761
Minnesota	2,695	2,504	2,155	1,989	1,565	1,531	2	2	6,417	6,025
Missouri	3,668	3,492	2,696	2,499	1,019	1,037	2	2	7,385	7,029
Nebraska	1,035	972	809	774	766	835	0	0	2,609	2,581
North Dakota	458	406	456	410	375	336	0	0	1,288	1,152
South Dakota	488	448	394	369	181	179	0	0	1,064	996
South Atlantic	38,966	38,314	28,532	28,421	9,025	9,129	114	109	76,637	75,973
Delaware	593	614	428	430	213	230	0	0	1,234	1,274
District of Columbia	256	246	1,014	1,048	13	12	31	29	1,314	1,335
Florida	12,823	12,807	8,691	8,895	1,292	1,320	8	7	22,814	23,029
Georgia	6,105	5,996	4,525	4,400	1,909	1,866	13	12	12,551	12,275
Maryland	3,616	3,425	3,227	3,141	328	364	46	44	7,216	6,974
North Carolina	6,111	5,963	4,087	4,030	1,698	1,727	1	1	11,897	11,721
South Carolina	3,431	3,338	2,081	2,046	1,697	1,696	0	0	7,209	7,080
Virginia	4,929	4,823	3,844	3,778	1,129	1,163	16	16	9,918	9,780
West Virginia	1,102	1,103	636	654	745	750	0	0	2,483	2,507
East South Central	12,208	11,814	8,872	8,124	6,479	7,530	0	0	27,560	27,468
Alabama	3,542	3,491	2,359	2,318	2,051	2,101	0	0	7,952	7,910
Kentucky	2,578	2,461	1,759	1,637	1,953	2,365	0	0	6,290	6,462
Mississippi	1,993	1,847	1,398	1,267	1,074	1,049	0	0	4,466	4,163
Tennessee	4,094	4,016	3,356	2,902	1,401	2,015	0	0	8,851	8,933
West South Central	22,724	21,435	15,480	15,131	9,150	8,529	7	8	47,361	45,104
Arkansas	1,719	1,665	949	934	983	971	NM	0	3,651	3,570
Louisiana	2,863	2,514	2,171	1,880	1,815	1,449	1	1	6,850	5,844
Oklahoma	2,224	2,168	1,515	1,461	872	843	0	0	4,612	4,472
Texas	15,918	15,088	10,844	10,857	5,480	5,266	6	7	32,248	31,218
Mountain	10,914	10,378	8,800	8,464	5,355	5,083	13	10	25,082	23,935
Arizona	3,891	3,718	2,956	2,830	843	813	0	0	7,690	7,361
Colorado	2,203	2,088	1,949	1,878	1,118	1,071	7	5	5,278	5,042
Idaho	806	707	451	410	569	525	0	0	1,826	1,642
Montana	512	482	465	449	224	213	0	0	1,201	1,143
Nevada	1,443	1,434	840	822	892	891	1	1	3,176	3,148
New Mexico	796	769	880	855	467	423	0	0	2,142	2,047
Utah	974	912	910	870	591	545	6	4	2,481	2,331
Wyoming	289	268	349	350	651	603	0	0	1,289	1,221
Pacific Contiguous	19,603	18,699	21,247	19,885	7,059	6,735	56	52	47,964	45,370
California	14,570	13,822	17,621	16,327	5,190	4,925	54	49	37,435	35,123
Oregon	1,923	1,849	1,344	1,314	699	671	2	2	3,969	3,835
Washington	3,109	3,028	2,282	2,244	1,170	1,139	0	1	6,561	6,412
Pacific Noncontiguous	1,348	1,409	1,554	1,559	1,292	1,361	0	0	4,195	4,329
Alaska	383	386	441	429	210	232	0	0	1,034	1,048
Hawaii	965	1,023	1,113	1,130	1,082	1,129	0	0	3,161	3,281
U.S. Total	168,546	163,280	137,778	133,898	65,111	65,761	773	747	372,208	363,687

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Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, December 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	18.35	15.83	15.53	14.11	12.52	11.77	13.25	7.00	16.11	14.27
Connecticut	17.57	17.06	14.74	14.45	12.60	12.57	12.59	9.39	15.84	15.40
Maine	14.32	14.70	13.04	11.84	9.24	8.86	--	--	12.68	12.37
Massachusetts	20.14	15.19	16.79	14.90	13.34	12.24	13.67	5.50	17.19	14.15
New Hampshire	16.21	15.83	14.24	13.46	11.97	12.09	--	--	14.72	14.24
Rhode Island	20.60	15.71	17.22	12.57	14.57	11.27	11.21	13.46	18.37	13.76
Vermont	17.05	17.20	14.83	13.86	10.55	10.24	--	--	14.63	14.33
Middle Atlantic	15.26	14.99	12.39	12.50	7.09	7.31	11.50	12.70	12.47	12.45
New Jersey	15.27	15.49	12.26	11.98	10.67	10.39	11.41	10.08	13.29	13.11
New York	18.24	17.47	14.31	14.48	5.94	6.16	12.61	14.12	14.73	14.72
Pennsylvania	12.77	12.62	9.21	9.54	6.97	7.19	7.89	9.03	9.95	10.01
East North Central	11.35	11.70	9.16	9.26	6.40	6.56	5.21	6.00	9.12	9.23
Illinois	9.39	10.62	7.53	7.64	5.51	5.54	4.85	5.77	7.62	7.96
Indiana	10.36	10.49	9.40	9.25	6.59	6.35	9.13	10.04	8.61	8.37
Michigan	14.20	14.08	10.74	10.87	7.51	8.21	13.57	8.89	11.12	11.32
Ohio	11.20	11.39	9.08	9.33	6.00	6.58	6.72	6.90	9.01	9.28
Wisconsin	12.95	12.61	10.13	9.95	7.07	6.92	--	--	10.21	9.86
West North Central	9.96	9.84	8.32	8.03	6.24	6.00	7.86	6.71	8.42	8.11
Iowa	10.44	10.16	8.05	7.65	5.20	5.12	--	--	7.77	7.48
Kansas	10.84	10.90	9.19	8.93	6.90	7.06	--	--	9.19	9.10
Minnesota	11.33	10.95	9.03	8.61	6.93	6.40	9.17	8.42	9.27	8.72
Missouri	9.09	9.03	7.59	7.40	5.44	5.39	6.47	5.38	7.93	7.69
Nebraska	9.17	9.13	8.20	8.02	6.64	6.27	--	--	8.08	7.75
North Dakota	8.55	8.61	8.18	7.78	7.19	6.53	--	--	8.03	7.72
South Dakota	9.65	9.59	8.18	7.76	6.77	6.47	--	--	8.57	8.26
South Atlantic	11.02	11.01	9.40	9.28	6.49	6.43	8.77	8.48	9.69	9.55
Delaware	12.69	13.03	10.49	10.51	8.61	8.79	--	--	11.16	11.17
District of Columbia	12.49	11.98	11.95	11.88	4.95	5.31	9.93	9.42	11.85	11.69
Florida	11.41	11.38	9.54	9.69	7.60	7.95	9.08	8.47	10.32	10.36
Georgia	10.21	10.29	9.77	9.33	5.97	5.74	7.55	6.91	9.11	8.86
Maryland	13.42	12.67	10.83	10.35	8.43	7.99	8.61	8.51	11.90	11.25
North Carolina	10.48	10.41	8.83	8.56	6.30	6.29	8.07	7.76	9.23	8.97
South Carolina	11.52	11.87	9.91	9.75	6.27	5.91	--	--	9.40	9.22
Virginia	10.42	10.51	7.90	7.81	6.58	6.61	8.31	8.13	8.90	8.87
West Virginia	9.08	9.63	7.75	8.27	5.91	6.28	9.94	8.64	7.70	8.17
East South Central	10.03	10.33	9.70	10.09	5.78	5.96	9.95	10.99	8.61	8.56
Alabama	10.49	10.96	9.71	10.58	5.63	6.04	--	--	8.54	8.93
Kentucky	9.44	9.46	8.81	8.84	5.42	5.17	--	--	7.80	7.20
Mississippi	10.58	10.29	10.66	9.53	6.32	6.12	--	--	9.12	8.53
Tennessee	9.84	10.48	9.83	10.82	6.11	7.09	9.95	10.99	9.07	9.59
West South Central	10.33	10.18	8.00	7.86	5.73	5.40	7.44	10.34	8.30	7.95
Arkansas	8.90	9.07	7.88	7.75	5.73	5.66	NM	11.01	7.56	7.48
Louisiana	8.72	8.47	8.78	8.16	5.55	5.07	8.58	9.06	7.58	7.07
Oklahoma	8.14	8.71	7.30	6.88	5.23	4.92	--	--	7.14	7.03
Texas	11.30	10.99	7.97	7.97	5.88	5.54	5.30	10.55	8.77	8.38
Mountain	10.82	10.38	9.01	8.71	6.09	5.73	10.13	9.91	8.82	8.38
Arizona	11.01	10.41	9.24	9.00	6.22	5.89	--	--	9.41	8.97
Colorado	11.44	11.07	9.59	9.19	6.83	6.68	10.52	10.23	9.48	9.14
Idaho	9.36	8.54	7.40	6.70	5.70	4.74	--	--	7.91	6.95
Montana	9.98	9.89	9.45	9.20	5.46	5.12	--	--	8.64	8.35
Nevada	12.31	11.82	9.48	8.94	5.79	5.33	8.18	7.74	8.95	8.36
New Mexico	10.87	10.71	9.51	9.39	6.10	5.66	--	--	8.85	8.59
Utah	10.03	9.73	7.74	7.49	5.36	5.22	9.95	9.85	7.74	7.42
Wyoming	10.12	9.89	8.40	8.15	6.43	6.14	--	--	7.71	7.26
Pacific Contiguous	13.11	12.61	11.37	10.66	7.49	7.17	7.67	6.79	11.29	10.67
California	16.47	15.49	12.76	11.81	9.90	9.54	7.63	6.73	13.58	12.67
Oregon	9.95	9.74	8.28	8.13	5.61	5.44	8.63	7.94	8.61	8.30
Washington	8.64	8.53	7.89	7.76	4.29	4.03	8.36	8.30	7.29	7.08
Pacific Noncontiguous	27.23	26.61	25.56	24.45	26.22	25.74	--	--	26.29	25.55
Alaska	18.10	17.06	16.39	14.69	16.65	16.36	--	--	17.10	15.93
Hawaii	36.58	36.33	33.69	33.81	29.86	29.68	--	--	33.10	32.97
U.S. Total	11.72	11.62	9.98	9.81	6.62	6.52	10.17	10.28	9.88	9.64

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Totals may not equal sum of components because of independent rounding.
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Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through December 2013 and 2012 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD	December 2013 YTD	December 2012 YTD
New England	16.20	15.71	14.08	13.68	12.17	11.83	9.17	6.68	14.48	14.02
Connecticut	17.58	17.34	14.64	14.65	12.68	12.67	10.31	9.69	15.68	15.54
Maine	14.35	14.66	11.72	11.53	8.32	7.98	--	--	11.87	11.81
Massachusetts	15.73	14.91	14.51	13.84	13.09	12.57	NM	4.91	14.51	13.79
New Hampshire	16.36	16.07	13.52	13.36	11.41	11.83	--	--	14.31	14.19
Rhode Island	15.47	14.40	13.08	11.87	11.87	10.68	13.00	8.28	13.91	12.74
Vermont	17.15	17.01	14.64	14.32	10.19	9.98	--	--	14.46	14.22
Middle Atlantic	15.72	15.27	13.00	12.97	7.25	7.49	12.17	12.50	12.90	12.75
New Jersey	15.72	15.78	12.80	12.78	10.71	10.52	10.43	9.77	13.70	13.68
New York	18.84	17.62	15.23	15.06	6.29	6.70	13.63	14.20	15.62	15.15
Pennsylvania	12.82	12.75	9.26	9.44	7.00	7.23	7.82	8.07	9.83	9.91
East North Central	12.01	12.05	9.51	9.46	6.57	6.51	5.71	6.33	9.33	9.27
Illinois	10.25	11.37	7.88	7.99	5.73	5.80	5.44	6.15	7.99	8.40
Indiana	10.84	10.53	9.48	9.14	6.59	6.34	9.87	9.56	8.63	8.29
Michigan	14.59	14.13	11.07	10.93	7.78	7.62	9.92	8.08	11.26	10.98
Ohio	11.91	11.76	9.38	9.47	6.10	6.24	6.61	6.98	9.16	9.12
Wisconsin	13.70	13.19	10.84	10.51	7.54	7.34	--	--	10.64	10.28
West North Central	10.95	10.59	8.95	8.48	6.60	6.28	8.78	7.72	8.96	8.54
Iowa	11.15	10.82	8.47	8.01	5.66	5.30	--	--	8.12	7.71
Kansas	11.56	11.24	9.54	9.24	7.07	7.09	--	--	9.57	9.33
Minnesota	11.94	11.35	9.53	8.84	7.06	6.54	9.79	8.67	9.52	8.86
Missouri	10.52	10.17	8.72	8.20	6.14	5.89	7.90	6.97	8.96	8.53
Nebraska	10.31	10.04	8.62	8.38	7.22	7.01	--	--	8.69	8.37
North Dakota	9.10	9.06	8.31	8.02	7.20	6.55	--	--	8.19	7.83
South Dakota	10.26	10.07	8.44	8.10	6.93	6.57	--	--	8.83	8.49
South Atlantic	11.37	11.38	9.39	9.37	6.48	6.55	8.66	8.44	9.73	9.73
Delaware	13.01	13.58	10.26	10.13	8.50	8.36	--	--	10.98	11.06
District of Columbia	12.56	12.28	11.93	12.02	5.89	5.46	9.58	9.01	11.85	11.85
Florida	11.36	11.42	9.49	9.66	7.68	8.04	8.69	8.45	10.30	10.44
Georgia	11.24	11.17	9.84	9.58	6.11	5.98	8.03	7.65	9.53	9.37
Maryland	13.24	12.84	10.70	10.43	8.36	8.09	8.48	8.29	11.65	11.28
North Carolina	10.91	10.91	8.73	8.66	6.34	6.42	7.94	7.88	9.18	9.15
South Carolina	11.82	11.77	9.82	9.63	5.92	6.02	--	--	9.14	9.10
Virginia	10.93	11.08	8.05	8.08	6.65	6.72	8.17	8.51	9.01	9.07
West Virginia	9.52	9.85	8.16	8.42	6.20	6.33	8.68	8.66	7.91	8.14
East South Central	10.42	10.32	9.82	9.87	5.96	6.11	11.46	11.28	8.71	8.58
Alabama	11.27	11.40	10.50	10.63	5.99	6.22	--	--	9.02	9.18
Kentucky	9.71	9.43	8.50	8.73	5.40	5.35	--	--	7.54	7.26
Mississippi	10.82	10.26	10.21	9.33	6.45	6.24	--	--	9.15	8.60
Tennessee	10.04	10.10	10.01	10.31	6.44	7.08	11.46	11.28	9.22	9.27
West South Central	10.73	10.30	8.11	7.99	5.86	5.39	10.02	10.30	8.47	8.11
Arkansas	9.51	9.30	7.98	7.71	5.88	5.76	NM	11.23	7.82	7.62
Louisiana	9.39	8.37	8.94	7.75	5.89	4.76	9.45	8.72	8.00	6.90
Oklahoma	9.62	9.51	7.71	7.32	5.34	5.09	--	--	7.81	7.54
Texas	11.37	10.98	8.03	8.16	5.93	5.57	10.12	10.54	8.77	8.55
Mountain	11.32	10.94	9.37	8.99	6.46	6.18	10.47	9.62	9.18	8.82
Arizona	11.74	11.29	9.87	9.53	6.69	6.53	--	--	10.16	9.81
Colorado	11.87	11.46	9.87	9.39	7.22	6.95	10.55	9.69	9.80	9.39
Idaho	9.37	8.67	7.40	6.86	6.12	5.48	--	--	7.61	6.92
Montana	10.38	10.08	9.52	9.13	5.37	5.10	--	--	8.58	8.25
Nevada	11.89	11.83	9.02	8.83	6.52	6.48	8.47	8.40	9.04	8.95
New Mexico	11.69	11.37	9.78	9.32	6.32	5.83	--	--	9.24	8.83
Utah	10.42	9.93	8.37	8.06	5.88	5.62	10.68	9.79	8.18	7.84
Wyoming	10.18	9.85	8.60	8.24	6.41	6.03	--	--	7.55	7.19
Pacific Contiguous	13.60	12.94	12.77	11.92	8.20	7.78	7.72	7.21	12.07	11.38
California	16.39	15.34	14.57	13.41	11.17	10.49	7.68	7.17	14.57	13.53
Oregon	9.94	9.80	8.39	8.31	5.86	5.59	8.88	8.24	8.39	8.21
Washington	8.67	8.53	7.76	7.68	4.22	4.13	8.29	8.06	7.06	6.94
Pacific Noncontiguous	28.59	28.76	25.52	25.50	26.08	26.99	--	--	26.61	26.96
Alaska	18.19	17.88	15.62	14.93	15.77	16.82	--	--	16.52	16.33
Hawaii	36.99	37.34	34.06	34.88	29.87	30.82	--	--	33.27	34.04
U.S. Total	12.12	11.88	10.29	10.09	6.82	6.67	10.28	10.21	10.08	9.84

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 for 2012 are final. Values for 2013 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 6.1. Electric Generating Summer Capacity Changes (MW) for Utility Scale Units, November 2013 to December 2013

	As of End of November 2013	Activity During December 2013 as Reported to EIA		As of End of December 2013	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity -- Outlook Based on Reports to EIA							
								Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Capacity	
Technology	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Wind (Summer Capacity)	59,652.1	716.8	0.0	60,368.9	716.8	1,294.1	1,294.1	487.9	3,471.8	0.0	0.0	487.9	3,471.8	60,856.8	63,840.7
..... *Solar Photovoltaic*	*4,522.0*	*456.3*	*0.0*	*4,978.3*	*456.3*	*2,284.2*	*2,284.2*	*320.0*	*2,697.0*	*0.0*	*0.0*	*320.0*	*2,697.0*	*5,298.3*	*7,675.3*
..... *Solar Thermal without Energy Storage*	*601.0*	*391.0*	*0.0*	*992.0*	*391.0*	*516.0*	*516.0*	*0.0*	*375.0*	*0.0*	*0.0*	*0.0*	*375.0*	*992.0*	*1,367.0*
..... *Solar Thermal with Energy Storage*	*250.0*	*0.0*	*0.0*	*250.0*	*0.0*	*250.0*	*250.0*	*0.0*	*116.2*	*0.0*	*0.0*	*0.0*	*116.2*	*250.0*	*366.2*
..... Solar Subtotal	5,373.0	847.3	0.0	6,220.3	847.3	3,050.2	3,050.2	320.0	3,188.2	0.0	0.0	320.0	3,188.2	6,540.3	9,408.5
..... Conventional Hydroelectric	79,009.6	10.6	0.0	79,020.2	10.6	282.2	282.2	11.0	406.4	24.0	29.0	-13.0	377.4	79,007.2	79,397.6
..... *Wood/Wood Waste Biomass*	*7,992.4*	*208.9*	*0.0*	*8,201.3*	*208.9*	*693.7*	*693.7*	*30.0*	*67.0*	*0.0*	*0.0*	*30.0*	*67.0*	*8,231.3*	*8,268.3*
..... *Landfill Gas*	*1,958.7*	*13.1*	*0.0*	*1,971.8*	*13.1*	*77.2*	*77.2*	*10.6*	*68.0*	*0.0*	*9.0*	*10.6*	*59.0*	*1,982.4*	*2,030.8*
..... *Municipal Solid Waste*	*2,230.7*	*0.0*	*0.0*	*2,230.7*	*0.0*	*28.0*	*28.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,230.7*	*2,230.7*
..... *Other Waste Biomass*	*733.4*	*105.8*	*0.0*	*839.2*	*105.8*	*125.9*	*125.9*	*0.0*	*57.2*	*0.0*	*0.0*	*0.0*	*57.2*	*839.2*	*896.4*
..... Biomass Sources Subtotal	12,915.2	327.8	0.0	13,243.0	327.8	924.8	924.8	40.6	192.2	0.0	9.0	40.6	183.2	13,283.6	13,426.2
..... Geothermal	2,648.2	40.4	0.0	2,688.6	40.4	96.5	96.5	8.8	8.8	0.0	0.0	8.8	8.8	2,697.4	2,697.4
... Renewable Sources Subtotal	***159,598.1***	***1,942.9***	***0.0***	***161,541.0***	***1,942.9***	***5,647.8***	***5,647.8***	***868.3***	***7,267.4***	***24.0***	***38.0***	***844.3***	***7,229.4***	***162,385.3***	***168,770.4***
..... *Natural Gas Fired Combined Cycle*	*224,878.7*	*622.0*	*622.0*	*224,878.7*	*0.0*	*4,196.6*	*4,196.6*	*0.0*	*5,863.2*	*0.0*	*26.0*	*0.0*	*5,837.2*	*224,878.7*	*230,715.9*
..... *Natural Gas Fired Combustion Turbine*	*124,438.6*	*0.0*	*31.7*	*124,406.9*	*-31.7*	*3,351.1*	*3,351.1*	*88.8*	*200.5*	*0.0*	*131.0*	*88.8*	*69.5*	*124,495.7*	*124,476.4*
..... *Natural Gas with Compressed Air Storage*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*77,481.1*	*529.9*	*453.0*	*77,558.0*	*76.9*	*-2,958.5*	*-2,958.5*	*0.0*	*987.5*	*0.0*	*224.8*	*0.0*	*762.7*	*77,558.0*	*78,320.7*
..... Natural Gas Subtotal	426,908.4	1,151.9	1,106.7	426,953.6	45.2	4,589.2	4,589.2	88.8	7,051.2	0.0	381.8	88.8	6,669.4	427,042.4	433,623.0
..... *Conventional Steam Coal*	*305,729.4*	*20.8*	*536.9*	*305,213.3*	*-516.1*	*-4,247.1*	*-4,247.1*	*0.0*	*82.1*	*45.0*	*1,744.5*	*-45.0*	*-1,662.4*	*305,168.3*	*303,550.9*
..... *Coal Integrated Gasification Combined Cycle*	*790.6*	*0.0*	*0.0*	*790.6*	*0.0*	*570.6*	*570.6*	*0.0*	*521.7*	*0.0*	*0.0*	*0.0*	*521.7*	*790.6*	*1,312.3*
..... Coal Subtotal	306,520.0	20.8	536.9	306,003.9	-516.1	-3,676.5	-3,676.5	0.0	603.8	45.0	1,744.5	-45.0	-1,140.7	305,958.9	304,863.2
..... Petroeum Coke	2,709.3	0.0	0.0	2,709.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,709.3	2,709.3
..... Petroleum Liquids	43,480.8	0.0	542.0	42,938.8	-542.0	-1,519.1	-1,519.1	0.0	17.8	100.3	541.9	-100.3	-524.1	42,838.5	42,414.7
..... Other Gases	1,941.6	0.0	0.0	1,941.6	0.0	-4.0	-4.0	0.0	0.0	0.0	43.2	0.0	-43.2	1,941.6	1,898.4
... Fossil Fuels Subtotal	***781,560.1***	***1,172.7***	***2,185.6***	***780,547.2***	***-1,012.9***	***-610.4***	***-610.4***	***88.8***	***7,672.8***	***145.3***	***2,711.4***	***-56.5***	***4,961.4***	***780,490.7***	***785,508.6***
..... Hydroelectric Pumped Storage	22,368.3	0.0	0.0	22,368.3	0.0	0.0	0.0	0.0	292.0	0.0	0.0	0.0	292.0	22,368.3	22,660.3
..... Flywheels	43.0	0.0	0.0	43.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0
..... Batteries	142.8	0.0	0.0	142.8	0.0	1.0	1.0	0.0	4.0	0.0	0.0	0.0	4.0	142.8	146.8
... Energy Storage Subtotal	***22,554.1***	***0.0***	***0.0***	***22,554.1***	***0.0***	***21.0***	***21.0***	***0.0***	***296.0***	***0.0***	***0.0***	***0.0***	***296.0***	***22,554.1***	***22,850.1***
... Nuclear	***98,997.0***	***108.0***	***0.0***	***99,105.0***	***108.0***	***-2,780.0***	***-2,780.0***	***0.0***	***0.0***	***0.0***	***604.3***	***0.0***	***-604.3***	***99,105.0***	***98,500.7***
... All Other	***1,564.1***	***0.0***	***0.0***	***1,564.1***	***0.0***	***0.0***	***0.0***	***1.0***	***21.0***	***0.0***	***0.0***	***1.0***	***21.0***	***1,565.1***	***1,585.1***
TOTAL	**1,064,273.4**	**3,223.6**	**2,185.6**	**1,065,311.4**	**1,038.0**	**2,278.4**	**2,278.4**	**958.1**	**15,257.2**	**169.3**	**3,353.7**	**788.8**	**11,903.5**	**1,066,100.2**	**1,077,214.9**

NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Reductions reflect plans to retire or derate existing units.
Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.
Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.

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

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, December 2013 and 2012 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	4,311.7	4,157.7	24,402.3	24,619.1	1,753.4	1,753.4	3.0	3.0	4,630.3	4,630.3	48.0	48.0	35,148.7	35,211.5
Connecticut	337.2	294.7	6,396.7	6,607.7	29.4	29.4	0.0	0.0	2,102.5	2,102.5	26.0	26.0	8,891.8	9,060.3
Maine	1,696.6	1,704.5	2,764.9	2,764.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,483.5	4,491.4
Massachusetts	784.4	761.5	11,149.4	11,155.2	1,724.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	14,338.1	14,321.0
New Hampshire	930.0	838.4	2,238.7	2,238.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,414.9	4,323.3
Rhode Island	32.8	27.9	1,752.8	1,752.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,785.6	1,780.7
Vermont	530.7	530.7	99.8	99.8	0.0	0.0	0.0	0.0	604.3	604.3	0.0	0.0	1,234.8	1,234.8
Middle Atlantic	9,938.1	9,621.4	69,158.3	71,813.3	3,321.0	3,321.0	48.0	28.0	19,084.4	19,055.4	11.2	11.2	101,561.0	103,850.3
New Jersey	493.6	464.5	13,923.7	13,933.9	400.0	400.0	0.0	0.0	4,114.5	4,114.5	11.2	11.2	18,943.0	18,924.1
New York	6,543.2	6,436.4	25,840.4	26,392.2	1,400.0	1,400.0	28.0	28.0	5,263.3	5,263.3	0.0	0.0	39,074.9	39,519.9
Pennsylvania	2,901.3	2,720.5	29,394.2	31,487.2	1,521.0	1,521.0	20.0	0.0	9,706.6	9,677.6	0.0	0.0	43,543.1	45,406.3
East North Central	9,193.4	8,761.8	123,676.0	123,094.3	1,871.0	1,871.0	0.0	0.0	18,809.2	19,359.2	114.1	114.1	153,663.7	153,200.4
Illinois	3,717.7	3,715.1	29,854.0	29,884.7	0.0	0.0	0.0	0.0	11,541.0	11,541.0	5.0	5.0	45,117.7	45,145.8
Indiana	1,702.6	1,661.7	25,618.7	25,087.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	27,409.3	26,837.3
Michigan	1,862.7	1,571.1	23,059.6	22,953.5	1,871.0	1,871.0	0.0	0.0	3,936.2	3,936.2	0.0	0.0	30,729.5	30,331.8
Ohio	762.8	738.0	29,922.8	29,982.3	0.0	0.0	0.0	0.0	2,150.0	2,134.0	0.0	0.0	32,835.6	32,854.3
Wisconsin	1,147.6	1,075.9	15,220.9	15,186.2	0.0	0.0	0.0	0.0	1,182.0	1,748.0	21.1	21.1	17,571.6	18,031.2
West North Central	18,074.9	17,735.7	62,176.6	62,162.0	657.0	657.0	1.0	0.0	5,884.0	5,805.0	23.7	23.7	86,817.2	86,383.4
Iowa	5,167.4	5,167.4	10,157.1	10,249.8	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	15,925.9	16,018.6
Kansas	2,990.9	2,733.2	10,185.1	10,185.1	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.0	0.0	14,351.0	14,093.3
Minnesota	3,398.9	3,389.9	10,465.6	10,444.8	0.0	0.0	1.0	0.0	1,673.0	1,594.0	18.4	18.4	15,556.9	15,447.1
Missouri	1,038.1	1,038.1	19,115.1	19,118.6	657.0	657.0	0.0	0.0	1,190.0	1,190.0	0.0	0.0	22,000.2	22,003.7
Nebraska	816.4	741.6	6,286.9	6,286.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,347.9	8,273.1
North Dakota	2,274.7	2,277.0	4,288.1	4,208.1	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	6,568.1	6,490.4
South Dakota	2,388.5	2,388.5	1,678.7	1,668.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,067.2	4,057.2
South Atlantic	12,343.7	11,516.0	161,874.0	162,937.3	7,905.2	7,905.2	32.0	32.0	24,603.0	25,020.0	406.0	406.0	207,163.9	207,816.5
Delaware	38.3	34.3	3,184.0	3,322.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,222.3	3,356.5
District of Columbia	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
Florida	1,334.9	1,156.4	53,598.8	53,455.8	0.0	0.0	0.0	0.0	3,700.0	4,175.0	352.0	352.0	58,985.7	59,139.2
Georgia	2,832.4	2,699.9	29,478.7	29,865.0	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	0.0	0.0	38,234.3	38,488.1
Maryland	904.9	880.9	9,642.9	9,618.4	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,263.8	12,215.3
North Carolina	2,774.3	2,614.2	22,107.2	22,638.5	86.0	86.0	0.0	0.0	5,056.0	4,998.0	54.0	54.0	30,077.5	30,390.7
South Carolina	1,768.4	1,725.1	12,134.7	12,133.7	2,716.0	2,716.0	0.0	0.0	6,508.0	6,508.0	0.0	0.0	23,127.1	23,082.8
Virginia	1,818.3	1,533.0	16,306.6	16,512.6	3,241.0	3,241.0	0.0	0.0	3,562.0	3,562.0	0.0	0.0	24,927.9	24,848.6
West Virginia	872.2	872.2	15,411.1	15,381.1	0.0	0.0	32.0	32.0	0.0	0.0	0.0	0.0	16,315.3	16,285.3
East South Central	7,943.5	7,936.7	70,955.3	71,173.3	1,616.3	1,616.3	0.0	0.0	9,863.1	9,634.1	1.4	1.4	90,379.6	90,361.8
Alabama	3,948.9	3,948.9	23,333.1	23,555.1	0.0	0.0	0.0	0.0	5,043.4	5,043.4	0.0	0.0	32,325.4	32,547.4
Kentucky	900.7	896.7	20,121.1	20,192.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21,021.8	21,088.8
Mississippi	236.7	236.7	14,050.5	13,975.5	0.0	0.0	0.0	0.0	1,419.0	1,190.0	1.4	1.4	15,707.6	15,403.6
Tennessee	2,857.2	2,854.4	13,450.6	13,450.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,324.8	21,322.0
West South Central	19,883.9	19,687.0	145,637.3	145,586.8	288.0	288.0	37.0	37.0	8,922.0	8,922.0	435.9	435.9	175,204.1	174,956.7
Arkansas	1,666.5	1,666.5	11,858.8	12,832.8	28.0	28.0	0.0	0.0	1,828.0	1,828.0	0.0	0.0	15,381.3	16,355.3
Louisiana	571.5	571.5	22,647.8	22,634.8	0.0	0.0	0.0	0.0	2,134.0	2,134.0	207.6	207.6	25,560.9	25,547.9
Oklahoma	4,070.7	4,064.5	19,160.6	19,160.6	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	23,491.3	23,485.1
Texas	13,575.2	13,384.5	91,970.1	90,958.6	0.0	0.0	37.0	37.0	4,960.0	4,960.0	228.3	228.3	110,770.6	109,568.4
Mountain	19,810.8	19,102.2	65,050.2	64,689.6	778.8	778.8	1.8	1.8	3,937.0	3,937.0	111.4	111.4	89,690.0	88,620.8
Arizona	4,122.0	3,628.9	20,125.9	19,804.3	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,401.2	27,586.5
Colorado	3,138.7	3,055.1	11,242.4	11,319.9	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	14,952.9	14,946.8
Idaho	3,762.9	3,762.9	1,133.1	1,133.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,910.8	4,910.8
Montana	3,401.8	3,359.4	2,913.7	2,913.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,359.5	6,317.1
Nevada	1,966.1	1,916.0	8,559.7	8,559.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,525.8	10,475.7
New Mexico	1,055.0	1,027.4	7,455.9	7,344.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	8,512.7	8,373.2
Utah	649.9	638.1	6,965.3	6,960.7	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	7,647.0	7,630.6
Wyoming	1,714.4	1,714.4	6,654.2	6,654.2	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,380.1	8,380.1
Pacific Contiguous	59,012.4	56,418.4	53,603.3	51,279.1	4,177.6	4,177.6	0.0	0.0	3,372.0	5,522.0	385.8	385.8	120,551.1	117,782.9
California	22,672.5	20,165.1	44,856.4	42,534.2	3,863.6	3,863.6	0.0	0.0	2,240.0	4,390.0	375.8	375.8	74,008.3	71,328.7
Oregon	11,954.8	11,949.0	3,597.2	3,595.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,552.0	15,544.2
Washington	24,385.1	24,304.3	5,149.7	5,149.7	314.0	314.0	0.0	0.0	1,132.0	1,132.0	10.0	10.0	30,990.8	30,910.0
Pacific Noncontiguous	1,028.6	956.3	4,013.9	3,802.8	0.0	0.0	63.0	63.0	0.0	0.0	26.6	26.6	5,132.1	4,848.7
Alaska	480.2	453.9	1,848.7	1,637.6	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,355.9	2,118.5
Hawaii	548.4	502.4	2,165.2	2,165.2	0.0	0.0	36.0	36.0	0.0	0.0	26.6	26.6	2,776.2	2,730.2
U.S. Total	161,541.0	155,893.2	780,547.2	781,157.6	22,368.3	22,368.3	185.8	164.8	99,105.0	101,885.0	1,564.1	1,564.1	1,065,311.4	1,063,033.0

Values for 2012 are final. Values for 2013 are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Concentrated Solar Power Energy Storage is included in 'Renewable sources'; it is not included in 'Other Energy Storage'

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

Table 6.2.B. Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State, December 2013 and 2012 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	785.0	784.1	81.8	49.2	0.0	0.0	1,957.2	1,956.9	1,487.7	1,367.5	0.0	0.0	4,311.7	4,157.7
Connecticut	0.0	0.0	5.0	0.0	0.0	0.0	122.2	122.2	210.0	172.5	0.0	0.0	337.2	294.7
Maine	427.6	427.6	0.0	0.0	0.0	0.0	734.4	742.3	534.6	534.6	0.0	0.0	1,696.6	1,704.5
Massachusetts	64.7	63.8	63.9	41.2	0.0	0.0	260.4	261.1	395.4	395.4	0.0	0.0	784.4	761.5
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	513.9	505.0	245.1	162.4	0.0	0.0	930.0	838.4
Rhode Island	1.5	1.5	4.9	0.0	0.0	0.0	2.7	2.7	23.7	23.7	0.0	0.0	32.8	27.9
Vermont	120.2	120.2	8.0	8.0	0.0	0.0	323.6	323.6	78.9	78.9	0.0	0.0	530.7	530.7
Middle Atlantic	3,112.1	2,987.8	336.4	304.6	0.0	0.0	5,211.6	5,076.7	1,278.0	1,252.3	0.0	0.0	9,938.1	9,621.4
New Jersey	7.5	7.5	265.2	236.1	0.0	0.0	3.3	3.3	217.6	217.6	0.0	0.0	493.6	464.5
New York	1,730.8	1,636.4	34.2	31.5	0.0	0.0	4,315.2	4,311.9	463.0	456.6	0.0	0.0	6,543.2	6,436.4
Pennsylvania	1,373.8	1,343.9	37.0	37.0	0.0	0.0	893.1	761.5	597.4	578.1	0.0	0.0	2,901.3	2,720.5
East North Central	7,062.3	6,765.9	107.9	60.8	0.0	0.0	819.4	817.0	1,203.8	1,118.1	0.0	0.0	9,193.4	8,761.8
Illinois	3,520.1	3,520.1	31.6	29.0	0.0	0.0	34.1	34.1	131.9	131.9	0.0	0.0	3,717.7	3,715.1
Indiana	1,539.7	1,539.7	42.2	3.5	0.0	0.0	59.5	59.5	61.2	59.0	0.0	0.0	1,702.6	1,661.7
Michigan	1,160.3	874.8	0.0	0.0	0.0	0.0	237.0	237.0	465.4	459.3	0.0	0.0	1,862.7	1,571.1
Ohio	472.6	461.7	34.1	28.3	0.0	0.0	101.7	101.6	154.4	146.4	0.0	0.0	762.8	738.0
Wisconsin	369.6	369.6	0.0	0.0	0.0	0.0	387.1	384.8	390.9	321.5	0.0	0.0	1,147.6	1,075.9
West North Central	14,352.1	14,030.0	0.0	0.0	0.0	0.0	3,283.2	3,282.1	439.6	423.6	0.0	0.0	18,074.9	17,735.7
Iowa	5,005.0	5,005.0	0.0	0.0	0.0	0.0	147.8	147.8	14.6	14.6	0.0	0.0	5,167.4	5,167.4
Kansas	2,968.7	2,719.1	0.0	0.0	0.0	0.0	7.2	7.0	15.0	7.1	0.0	0.0	2,990.9	2,733.2
Minnesota	2,842.3	2,842.3	0.0	0.0	0.0	0.0	176.6	175.7	380.0	371.9	0.0	0.0	3,398.9	3,389.9
Missouri	458.5	458.5	0.0	0.0	0.0	0.0	570.3	570.3	9.3	9.3	0.0	0.0	1,038.1	1,038.1
Nebraska	530.2	455.4	0.0	0.0	0.0	0.0	275.3	275.3	10.9	10.9	0.0	0.0	816.4	741.6
North Dakota	1,756.9	1,759.2	0.0	0.0	0.0	0.0	508.0	508.0	9.8	9.8	0.0	0.0	2,274.7	2,277.0
South Dakota	790.5	790.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,388.5	2,388.5
South Atlantic	705.3	705.3	504.5	234.9	0.0	0.0	7,176.2	7,145.5	3,957.7	3,430.3	0.0	0.0	12,343.7	11,516.0
Delaware	2.0	2.0	28.3	24.3	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	38.3	34.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	0.0	0.0	66.4	65.2	0.0	0.0	54.5	54.5	1,214.0	1,036.7	0.0	0.0	1,334.9	1,156.4
Georgia	0.0	0.0	42.7	3.2	0.0	0.0	2,047.9	2,047.9	741.8	648.8	0.0	0.0	2,832.4	2,699.9
Maryland	120.0	120.0	51.6	27.6	0.0	0.0	590.0	590.0	143.3	143.3	0.0	0.0	904.9	880.9
North Carolina	0.0	0.0	313.0	114.6	0.0	0.0	1,991.7	1,964.2	469.6	535.4	0.0	0.0	2,774.3	2,614.2
South Carolina	0.0	0.0	2.5	0.0	0.0	0.0	1,339.2	1,336.0	426.7	389.1	0.0	0.0	1,768.4	1,725.1
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.2	866.2	952.1	666.8	0.0	0.0	1,818.3	1,533.0
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	286.7	286.7	2.2	2.2	0.0	0.0	872.2	872.2
East South Central	29.1	29.1	12.8	12.8	0.0	0.0	6,719.9	6,715.9	1,181.7	1,178.9	0.0	0.0	7,943.5	7,936.7
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,272.2	3,272.2	676.7	676.7	0.0	0.0	3,948.9	3,948.9
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	831.6	827.6	69.1	69.1	0.0	0.0	900.7	896.7
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236.7	236.7	0.0	0.0	236.7	236.7
Tennessee	29.1	29.1	12.8	12.8	0.0	0.0	2,616.1	2,616.1	199.2	196.4	0.0	0.0	2,857.2	2,854.4
West South Central	15,461.8	15,311.8	115.9	75.2	0.0	0.0	3,083.2	3,080.2	1,223.0	1,219.8	0.0	0.0	19,883.9	19,687.0
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,340.7	1,340.7	325.8	325.8	0.0	0.0	1,666.5	1,666.5
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	379.5	379.5	0.0	0.0	571.5	571.5
Oklahoma	3,132.9	3,132.9	0.0	0.0	0.0	0.0	861.2	858.2	76.6	73.4	0.0	0.0	4,070.7	4,064.5
Texas	12,328.9	12,178.9	115.9	75.2	0.0	0.0	689.3	689.3	441.1	441.1	0.0	0.0	13,575.2	13,384.5
Mountain	6,821.9	6,758.1	1,469.1	1,167.8	319.5	69.5	10,552.7	10,507.8	175.0	159.9	472.6	439.1	19,810.8	19,102.2
Arizona	237.3	237.3	874.8	631.7	251.0	1.0	2,720.4	2,720.4	38.5	38.5	0.0	0.0	4,122.0	3,628.9
Colorado	2,334.9	2,271.1	117.6	115.4	0.0	0.0	661.9	655.6	24.3	13.0	0.0	0.0	3,138.7	3,055.1
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,703.4	2,703.4	86.8	86.8	10.0	10.0	3,762.9	3,762.9
Montana	627.8	627.8	0.0	0.0	0.0	0.0	2,770.2	2,731.6	3.8	0.0	0.0	0.0	3,401.8	3,359.4
Nevada	150.0	150.0	288.8	258.8	68.5	68.5	1,051.4	1,051.4	3.2	3.2	404.2	384.1	1,966.1	1,916.0
New Mexico	777.5	777.5	186.6	160.6	0.0	0.0	82.9	82.9	6.4	6.4	1.6	0.0	1,055.0	1,027.4
Utah	324.4	324.4	1.3	1.3	0.0	0.0	255.4	255.4	12.0	12.0	56.8	45.0	649.9	638.1
Wyoming	1,407.3	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,714.4
Pacific Contiguous	11,776.1	11,464.4	2,334.7	781.6	922.5	406.5	39,776.2	39,715.3	2,029.9	1,940.6	2,173.0	2,110.0	59,012.4	56,418.4
California	5,818.0	5,506.3	2,323.5	770.4	922.5	406.5	10,150.3	10,145.7	1,302.9	1,243.9	2,155.3	2,092.3	22,672.5	20,165.1
Oregon	3,151.9	3,151.9	10.7	10.7	0.0	0.0	8,454.7	8,454.7	319.8	314.0	17.7	17.7	11,954.8	11,949.0
Washington	2,806.2	2,806.2	0.5	0.5	0.0	0.0	21,171.2	21,114.9	407.2	382.7	0.0	0.0	24,385.1	24,304.3
Pacific Noncontiguous	263.2	238.3	15.2	7.2	0.0	0.0	440.6	440.6	266.6	227.2	43.0	43.0	1,028.6	956.3
Alaska	57.6	32.7	0.0	0.0	0.0	0.0	415.6	415.6	7.0	5.6	0.0	0.0	480.2	453.9
Hawaii	205.6	205.6	15.2	7.2	0.0	0.0	25.0	25.0	259.6	221.6	43.0	43.0	548.4	502.4
U.S. Total	60,368.9	59,074.8	4,978.3	2,694.1	1,242.0	476.0	79,020.2	78,738.0	13,243.0	12,318.2	2,688.6	2,592.1	161,541.0	155,893.2

Values for 2012 are final. Values for 2013 are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of existing or planned capacity for some technologies such as solar photovoltaic generation.

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

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, December 2013 and 2012 (Megawatts)

Census Division and State	Natural Gas Fired Combined Cycle		Natural Gas Fired Combustion Turbine		Other Natural Gas		Coal		Petroleum Coke		Petroleum Liquids		Other Gases		Total Fossil Fuels	
	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012	December 2013	December 2012
New England	12,194.9	12,190.5	1,227.1	1,090.0	872.9	876.4	2,547.1	2,546.1	0.0	0.0	7,560.3	7,916.1	0.0	0.0	24,402.3	24,619.1
Connecticut	2,511.7	2,513.4	595.2	458.1	76.1	61.0	383.4	389.1	0.0	0.0	2,830.3	3,186.1	0.0	0.0	6,396.7	6,607.7
Maine	1,250.0	1,250.0	306.0	306.0	119.0	119.0	85.0	85.0	0.0	0.0	1,004.9	1,004.9	0.0	0.0	2,764.9	2,764.9
Massachusetts	5,505.0	5,498.9	322.1	322.1	667.4	686.0	1,544.8	1,538.1	0.0	0.0	3,110.1	3,110.1	0.0	0.0	11,149.4	11,155.2
New Hampshire	1,203.0	1,203.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,238.7	2,238.7
Rhode Island	1,725.2	1,725.2	0.0	0.0	10.4	10.4	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	1,752.8	1,752.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	99.8	0.0	0.0	99.8	99.8
Middle Atlantic	22,478.6	22,470.6	8,763.3	8,708.5	8,766.3	9,616.3	19,438.9	21,966.2	11.6	11.6	9,599.2	8,939.7	100.4	100.4	69,158.3	71,813.3
New Jersey	5,870.3	5,871.3	4,090.0	4,099.2	642.9	642.9	2,006.6	2,006.6	11.6	11.6	1,302.3	1,302.3	0.0	0.0	13,923.7	13,933.9
New York	8,338.6	8,338.6	3,011.4	3,011.4	7,194.6	7,194.6	2,260.4	2,703.7	0.0	0.0	5,035.4	5,143.9	0.0	0.0	25,840.4	26,392.2
Pennsylvania	8,269.7	8,260.7	1,661.9	1,597.9	928.8	1,778.8	15,171.9	17,255.9	0.0	0.0	3,261.5	2,493.5	100.4	100.4	29,394.2	31,487.2
East North Central	16,838.4	16,834.9	25,731.8	25,669.0	3,432.5	3,419.7	73,005.2	72,502.6	570.1	570.1	3,191.9	3,191.9	906.1	906.1	123,676.0	123,094.3
Illinois	2,976.6	2,976.6	10,314.6	10,314.6	240.4	238.7	15,541.6	15,574.0	0.0	0.0	663.1	663.1	117.7	117.7	29,854.0	29,884.7
Indiana	2,451.9	2,451.9	3,172.6	3,189.6	6.5	4.0	18,686.0	18,140.4	274.0	274.0	456.4	456.4	571.3	571.3	25,618.7	25,087.6
Michigan	4,777.0	4,777.0	3,412.1	3,319.3	2,992.6	2,979.3	11,261.8	11,261.8	47.2	47.2	568.9	568.9	0.0	0.0	23,059.6	22,953.5
Ohio	3,963.8	3,960.3	5,443.1	5,443.1	57.4	57.4	19,204.5	19,267.5	142.0	142.0	894.9	894.9	217.1	217.1	29,922.8	29,982.3
Wisconsin	2,669.1	2,669.1	3,389.4	3,402.4	135.6	140.3	8,311.3	8,258.9	106.9	106.9	608.6	608.6	0.0	0.0	15,220.9	15,186.2
West North Central	5,724.1	5,714.1	11,281.8	11,201.8	3,257.3	3,257.3	37,767.7	37,843.8	32.0	32.0	4,105.3	4,104.6	8.4	8.4	62,176.6	62,162.0
Iowa	1,161.5	1,161.5	1,113.9	1,113.9	261.4	261.4	6,590.0	6,683.4	32.0	32.0	998.3	997.6	0.0	0.0	10,157.1	10,249.8
Kansas	0.0	0.0	2,377.8	2,377.8	2,043.0	2,043.0	5,223.0	5,223.0	0.0	0.0	541.3	541.3	0.0	0.0	10,185.1	10,185.1
Minnesota	2,107.2	2,107.2	2,558.4	2,558.4	278.7	278.7	4,717.3	4,696.5	0.0	0.0	804.0	804.0	0.0	0.0	10,465.6	10,444.8
Missouri	1,834.8	1,834.8	3,397.5	3,397.5	267.4	267.4	12,454.0	12,457.5	0.0	0.0	1,161.4	1,161.4	0.0	0.0	19,115.1	19,118.6
Nebraska	320.6	320.6	1,111.6	1,111.6	394.2	394.2	4,145.7	4,145.7	0.0	0.0	314.8	314.8	0.0	0.0	6,286.9	6,286.9
North Dakota	0.0	0.0	80.0	0.0	0.0	0.0	4,141.1	4,141.1	0.0	0.0	58.6	58.6	8.4	8.4	4,288.1	4,208.1
South Dakota	300.0	290.0	642.6	642.6	12.6	12.6	496.6	496.6	0.0	0.0	226.9	226.9	0.0	0.0	1,678.7	1,668.7
South Atlantic	45,426.2	43,584.2	31,512.5	31,464.5	4,450.7	3,497.9	65,041.3	67,099.3	633.8	633.8	14,674.5	16,522.6	135.0	135.0	161,874.0	162,937.3
Delaware	1,130.0	1,130.0	355.0	355.0	885.6	854.8	573.0	742.0	0.0	0.0	105.4	105.4	135.0	135.0	3,184.0	3,322.2
District of Columbia	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
Florida	25,157.6	23,942.6	7,958.9	7,958.9	2,598.5	1,755.5	10,141.0	10,266.0	550.0	550.0	7,192.8	8,982.8	0.0	0.0	53,598.8	53,455.8
Georgia	7,960.0	7,956.0	7,808.9	7,836.9	115.0	115.0	12,412.1	12,737.1	83.8	83.8	1,098.9	1,136.2	0.0	0.0	29,478.7	29,865.0
Maryland	230.0	230.0	1,507.8	1,488.3	340.5	335.5	4,757.0	4,757.0	0.0	0.0	2,807.6	2,807.6	0.0	0.0	9,642.9	9,618.4
North Carolina	4,697.6	4,074.6	6,068.2	6,011.7	74.0	0.0	10,841.8	12,104.8	0.0	0.0	425.6	447.4	0.0	0.0	22,107.2	22,638.5
South Carolina	2,281.7	2,281.7	2,852.2	2,852.2	110.8	110.8	6,225.5	6,225.5	0.0	0.0	664.5	663.5	0.0	0.0	12,134.7	12,133.7
Virginia	3,969.3	3,969.3	3,877.6	3,877.6	320.7	320.7	5,770.3	5,976.3	0.0	0.0	2,368.7	2,368.7	0.0	0.0	16,306.6	16,512.6
West Virginia	0.0	0.0	1,073.9	1,073.9	5.6	5.6	14,320.6	14,290.6	0.0	0.0	11.0	11.0	0.0	0.0	15,411.1	15,381.1
East South Central	17,804.9	17,725.9	12,865.8	12,865.8	2,865.5	2,865.5	37,122.2	37,415.2	0.0	0.0	197.1	197.1	99.8	103.8	70,955.3	71,173.3
Alabama	9,325.7	9,325.7	2,550.6	2,550.6	169.1	169.1	11,145.3	11,367.3	0.0	0.0	42.6	42.6	99.8	99.8	23,333.1	23,555.1
Kentucky	0.0	0.0	4,828.9	4,828.9	0.0	0.0	15,222.3	15,293.3	0.0	0.0	69.9	69.9	0.0	0.0	20,121.1	20,192.1
Mississippi	7,076.2	6,997.2	1,716.9	1,716.9	2,696.4	2,696.4	2,526.0	2,526.0	0.0	0.0	35.0	35.0	0.0	4.0	14,050.5	13,975.5
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	8,228.6	8,228.6	0.0	0.0	49.6	49.6	0.0	0.0	13,450.6	13,450.6
West South Central	56,455.9	56,430.9	12,135.5	11,725.5	37,126.0	38,460.0	37,934.3	36,984.8	1,409.8	1,409.8	195.9	195.9	379.9	379.9	145,637.3	145,586.8
Arkansas	4,660.5	4,660.5	757.1	753.1	1,280.0	2,258.0	5,144.0	5,144.0	0.0	0.0	17.2	17.2	0.0	0.0	11,858.8	12,832.8
Louisiana	7,324.2	7,324.2	2,406.2	2,406.2	8,434.2	8,434.2	3,427.0	3,414.0	975.0	975.0	46.9	46.9	34.3	34.3	22,647.8	22,634.8
Oklahoma	7,512.5	7,512.5	1,191.9	1,191.9	5,092.5	5,092.5	5,294.4	5,294.4	0.0	0.0	69.3	69.3	0.0	0.0	19,160.6	19,160.6
Texas	36,958.7	36,933.7	7,780.3	7,374.3	22,319.3	22,675.3	24,068.9	23,132.4	434.8	434.8	62.5	62.5	345.6	345.6	91,970.1	90,958.6
Mountain	21,672.5	21,136.7	8,872.1	8,778.6	3,331.6	3,545.8	30,678.9	30,756.4	52.0	52.0	348.2	325.2	94.9	94.9	65,050.2	64,689.6
Arizona	10,418.2	9,882.4	2,353.6	2,353.6	1,106.6	1,320.8	6,157.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	20,125.9	19,804.3
Colorado	2,733.2	2,733.2	2,545.5	2,545.5	381.0	381.0	5,404.8	5,482.3	0.0	0.0	177.9	177.9	0.0	0.0	11,242.4	11,319.9
Idaho	567.5	567.5	543.0	543.0	0.0	0.0	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,133.1	1,133.1
Montana	0.0	0.0	362.1	362.1	54.0	54.0	2,442.1	2,442.1	52.0	52.0	2.0	2.0	1.5	1.5	2,913.7	2,913.7
Nevada	5,287.2	5,287.2	1,380.6	1,380.6	587.1	587.1	1,293.4	1,293.4	0.0	0.0	11.4	11.4	0.0	0.0	8,559.7	8,559.7
New Mexico	1,465.4	1,465.4	1,036.1	947.2	896.0	896.0	4,031.0	4,031.0	0.0	0.0	27.4	4.4	0.0	0.0	7,455.9	7,344.0
Utah	1,201.0	1,201.0	534.6	530.0	300.9	300.9	4,901.0	4,901.0	0.0	0.0	27.8	27.8	0.0	0.0	6,965.3	6,960.7
Wyoming	0.0	0.0	116.6	116.6	6.0	6.0	6,432.4	6,432.4	0.0	0.0	5.8	5.8	93.4	93.4	6,654.2	6,654.2
Pacific Contiguous	25,706.2	24,264.9	11,544.9	9,042.1	13,550.2	15,073.4	2,177.8	2,275.5	0.0	0.0	413.1	412.1	211.1	211.1	53,603.3	51,279.1
California	19,762.1	18,322.8	10,709.9	8,207.1	13,522.6	15,045.8	252.8	350.5	0.0	0.0	397.9	396.9	211.1	211.1	44,856.4	42,534.2
Oregon	2,878.4	2,876.4	133.8	133.8	0.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,597.2	3,595.2
Washington	3,065.7	3,065.7	701.2	701.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	5,149.7	5,149.7
Pacific Noncontiguous	577.0	329.4	472.1	510.0	15.0	14.2	290.5	290.5	0.0	0.0	2,653.3	2,652.7	6.0	6.0	4,013.9	3,802.8
Alaska	577.0	329.4	472.1	510.0	15.0	14.2	110.5	110.5	0.0	0.0	674.1	673.5	0.0	0.0	1,848.7	1,637.6
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,979.2	1,979.2	6.0	6.0	2,165.2	2,165.2
U.S. Total	224,878.7	220,682.1	124,406.9	121,055.8	77,668.0	80,626.5	306,003.9	309,680.4	2,709.3	2,709.3	42,938.8	44,457.9	1,941.6	1,945.6	780,547.2	781,157.6

Values for 2012 are final. Values for 2013 are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of existing or planned capacity for some technologies such as solar photovoltaic generation.

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

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	1	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	2	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	3	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	4	50.3	Natural Gas Fired Combined Cycle	NG	CA
2013	1	56615	First Solar Energy LLC	IPP	Avra Valley Solar	AZ	57657	1	25.0	Solar Photovoltaic	SUN	PV
2013	1	7353	Golden Valley Elec Assn Inc	Electric Utility	Eva Creek Wind	AK	57935	EVW	24.0	Onshore Wind Turbine	WND	WT
2013	1	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	3	2.1	Petroleum Liquids	DFO	IC
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2B	86.5	Solar Photovoltaic	SUN	PV
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2D	40.0	Solar Photovoltaic	SUN	PV
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL1	4.6	Landfill Gas	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL2	4.6	Landfill Gas	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL3	4.6	Landfill Gas	LFG	GT
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	5	1.8	Petroleum Liquids	DFO	IC
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	6	1.8	Petroleum Liquids	DFO	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN1	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN2	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN3	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN4	1.6	Landfill Gas	LFG	IC
2013	1	56748	RP1 Fuel Cell LLC	Electric CHP	RPI Fuel Cell LLC	CA	57419	0001	2.8	Other Waste Biomass	OBG	FC
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015D	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015E	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015F	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015G	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023D	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023E	0.5	Solar Photovoltaic	SUN	PV
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine I	CA	57834	AW07	150.0	Onshore Wind Turbine	WND	WT
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine II	CA	57837	AW09	150.0	Onshore Wind Turbine	WND	WT
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN1	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN2	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN3	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN4	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN5	0.8	Landfill Gas	LFG	IC
2013	1	20323	Wellhead Services Inc	IPP	Wellhead Power Delano LLC	CA	58122	GEN1	35.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	2	57369	Apple, Inc	Commercial	Apple Data Center PV	NC	57994	PV1	20.0	Solar Photovoltaic	SUN	PV
2013	2	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	GEN2	28.0	Municipal Solid Waste	MSW	ST
2013	2	56615	First Solar Energy LLC	IPP	Alpine Solar	CA	57295	1	66.0	Solar Photovoltaic	SUN	PV
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN1	1.6	Landfill Gas	LFG	IC
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN2	1.6	Landfill Gas	LFG	IC
2013	2	57389	IKEA Property Inc	Commercial	IKEA Perryville 460	MD	58014	PV	2.0	Solar Photovoltaic	SUN	PV
2013	2	57389	IKEA Property Inc	Commercial	IKEA Westhampton 061	NJ	58016	PV	1.8	Solar Photovoltaic	SUN	PV
2013	2	11208	Los Angeles Department of Water & Power	Commercial	Occidental College Solar Project	CA	57311	1	1.0	Solar Photovoltaic	SUN	PV
2013	2	57271	NRG Solar Borrego I	IPP	NRG Solar Borrego I	CA	57455	SB1	26.0	Solar Photovoltaic	SUN	PV
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN1	1.6	Landfill Gas	LFG	IC
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN2	1.6	Landfill Gas	LFG	IC
2013	3	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV1	17.0	Solar Photovoltaic	SUN	PV
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	34	1.8	Conventional Hydroelectric	WAT	HY
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	35	1.8	Conventional Hydroelectric	WAT	HY
2013	3	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	PARKG	1.2	Solar Photovoltaic	SUN	PV
2013	3	58332	Dibrell Farm LLC	IPP	Dibrell Farm	NC	58346	1	5.0	Solar Photovoltaic	SUN	PV
2013	3	11208	Los Angeles Department of Water & Power	Electric Utility	Pine Tree Solar Project	CA	57306	1	8.5	Solar Photovoltaic	SUN	PV
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	3A	1.2	Other Waste Biomass	OBG	IC
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	4A	1.2	Other Waste Biomass	OBG	IC
2013	3	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI9	60.5	Conventional Hydroelectric	WAT	HY
2013	3	58355	SPS Atwell Island LLC	IPP	Atwell Island	CA	58366	1	20.2	Solar Photovoltaic	SUN	PV
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN10	1.6	Landfill Gas	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN11	1.6	Landfill Gas	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN9	1.6	Landfill Gas	LFG	IC
2013	3	58112	TA-High Desert LLC	IPP	TA-High Desert LLC	CA	58149	TAHD	20.0	Solar Photovoltaic	SUN	PV
2013	3	54842	WM Renewable Energy LLC	IPP	Tullytown	PA	58250	GEN1	1.6	Landfill Gas	LFG	IC
2013	4	57369	Apple, Inc	Commercial	Apple Data Center - Fuel Cell 1&2	NC	58264	FC2	5.2	Landfill Gas	LFG	FC
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE1	18.5	Solar Photovoltaic	SUN	PV
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE2	27.3	Solar Photovoltaic	SUN	PV
2013	4	58373	CU Solar LLC	IPP	CU Solar Plant	OH	58386	CU	1.8	Solar Photovoltaic	SUN	PV
2013	4	3179	Caterpillar Inc	Industrial	Caterpillar	IN	50935	ET4	2.5	Other Natural Gas	NG	IC
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT1	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT2	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT3	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT4	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ1	35.3	Solar Photovoltaic	SUN	PV
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3A	1,210.0	Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3B		Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3C		Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3ST		Natural Gas Fired Combined Cycle	NG	CA
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-1	1.3	Solar Photovoltaic	SUN	PV
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-2	3.4	Solar Photovoltaic	SUN	PV
2013	4	58358	Light Beam Power Co LLC	IPP	Gridley Main Two	CA	58371	GEN1	2.5	Solar Photovoltaic	SUN	PV
2013	4	26616	North Slope Borough Power & Light	Electric Utility	NSB Nuiqsut Utility	AK	7484	PG3B	0.8	Other Natural Gas	NG	IC
2013	4	57282	Piedmont Green Power	IPP	Piedmont Green Power	GA	57909	GEN1	53.5	Wood/Wood Waste Biomass	WDS	ST
2013	4	15394	Procter & Gamble Ppr Prdts Co	Industrial	Procter & Gamble Mehoopany Mill	PA	50463	GEN3	64.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	2	14.0	Geothermal	GEO	BT
2013	5	807	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	C	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE3	27.3	Solar Photovoltaic	SUN	PV
2013	5	34	City of Abbeville - (SC)	Electric Utility	Rocky River	SC	3305	IC2	1.0	Petroleum Liquids	DFO	IC
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	1299	1.7	Petroleum Liquids	DFO	IC
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGRI	1.9	Solar Photovoltaic	SUN	PV
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG3	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG4	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG5	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG6	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG7	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG8	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT5	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	9	88.9	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	Onshore Wind Turbine	WND	WT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	Onshore Wind Turbine	WND	WT
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	Solar Photovoltaic	SUN	PV
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	Solar Photovoltaic	SUN	PV
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	Solar Photovoltaic	SUN	PV
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	Conventional Steam Coal	SUB	ST
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	Landfill Gas	LFG	IC
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	Solar Photovoltaic	SUN	PV
2013	6	1994	Boulder City of	IPP	Boulder Canyon Hydro	CO	466	1A	5.0	Conventional Hydroelectric	WAT	HY
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9560	0.4	Other Natural Gas	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9580	0.4	Other Natural Gas	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9587	0.4	Other Natural Gas	NG	FC
2013	6	57365	Consolidated Edison Solutions Inc	IPP	Wilson Solar	MA	58174	WSMA	2.0	Solar Photovoltaic	SUN	PV
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT1	570.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT2		Coal Integrated Gasification Combined Cycle	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	ST		Coal Integrated Gasification Combined Cycle	SGC	CA
2013	6	5914	Erie Boulevard Hydropower LP	IPP	Stewarts Bridge	NY	2614	2	2.5	Conventional Hydroelectric	WAT	HY
2013	6	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ2	124.8	Solar Photovoltaic	SUN	PV
2013	6	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	Landfill Gas	LFG	IC
2013	6	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGC	1.5	Onshore Wind Turbine	WND	WT
2013	6	58211	Highlander Solar 1, LLC	IPP	SEPV 8	CA	58234	SPV8	11.8	Solar Photovoltaic	SUN	PV
2013	6	58198	Highlander Solar 2, LLC	IPP	SEPV9 Power Plant	CA	58227	SPV9	8.5	Solar Photovoltaic	SUN	PV
2013	6	58320	Lenoir Farm 2 LLC	IPP	Lenoir Farm 2	NC	58334	1	5.0	Solar Photovoltaic	SUN	PV
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	11	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	12	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	13	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	14	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	15	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	16	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	58363	Oakley Solar Project LLC	IPP	Oakley Solar Project	CA	58376	1	1.5	Solar Photovoltaic	SUN	PV
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA5	1.5	Landfill Gas	LFG	IC
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA6	1.5	Landfill Gas	LFG	IC
2013	6	14328	Pacific Gas & Electric Co	Electric Utility	Gates Solar Station	CA	57892	1	20.0	Solar Photovoltaic	SUN	PV
2013	6	58365	Petra Nova Parish Holdings LLC	IPP	W.A. Parish Carbon Capture Plant	TX	58378	GT2	74.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	58111	RE Kansas South LLC	IPP	RE Kansas South LLC	CA	58148	KS	20.0	Solar Photovoltaic	SUN	PV
2013	6	57313	SolarCity Corporation	IPP	Town of East Bridgewater	MA	58586	1	2.0	Solar Photovoltaic	SUN	PV
2013	7	58335	Bolton Farm LLC	IPP	Bolton Farm	NC	58349	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	306	Brookfield Renewable Power	Industrial	Cheoah	NC	54899	3A	27.5	Conventional Hydroelectric	WAT	HY
2013	7	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE1	33.4	Solar Photovoltaic	SUN	PV
2013	7	20364	City of West Bend	Electric Utility	West Bend	IA	1199	5	2.5	Petroleum Liquids	DFO	IC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9581	0.4	Other Natural Gas	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9583	0.4	Other Natural Gas	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9585	0.4	Other Natural Gas	NG	FC
2013	7	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	Solar Photovoltaic	SUN	PV
2013	7	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS1	46.6	Solar Photovoltaic	SUN	PV
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	Natural Gas Fired Combined Cycle	NG	CA
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG1	44.7	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG2	44.7	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	ST	13.3	Other Natural Gas	NG	ST
2013	7	58319	Lenoir Farm LLC	IPP	Lenoir Farm	NC	58333	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	11208	Los Angeles Department of Water & Power	Commercial	CBS Television City	CA	58253	GEN1	1.6	Solar Photovoltaic	SUN	PV
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	7	195.0	Natural Gas Fired Combined Cycle	NG	CT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	8	60.0	Natural Gas Fired Combined Cycle	NG	CA
2013	7	13683	North Carolina El Member Corp	Electric Utility	Hamlet Generating Facility	NC	56292	ES6	56.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG10	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG7	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG8	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG9	0.6	Petroleum Liquids	DFO	IC
2013	7	15500	Puget Sound Energy Inc	Electric Utility	Lower Baker	WA	3855	4	30.4	Conventional Hydroelectric	WAT	HY
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 4	CA	58354	1	1.5	Solar Photovoltaic	SUN	PV
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 5	CA	58355	1	1.5	Solar Photovoltaic	SUN	PV
2013	7	58366	Toro Energy of California SLO	IPP	Cold Canyon 1	CA	58379	W3998	1.5	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN1	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN2	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN3	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN4	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN5	0.8	Landfill Gas	LFG	IC
2013	7	57081	Washington Gas Energy Systems, Inc.	IPP	Orange PV	MA	58411	SO023	2.0	Solar Photovoltaic	SUN	PV
2013	7	58328	Wilson Farm 1 LLC	IPP	Wilson Farm 1	NC	58342	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 3 Solar Project	CA	58204	INV3	1.0	Solar Photovoltaic	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 4 Solar Project	CA	58217	INV4	1.0	Solar Photovoltaic	SUN	PV
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE4	25.0	Solar Photovoltaic	SUN	PV
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE5	27.3	Solar Photovoltaic	SUN	PV
2013	8	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	1	1.5	Solar Photovoltaic	SUN	PV
2013	8	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE2	25.6	Solar Photovoltaic	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar	CA	58374	CSCA	20.0	Solar Photovoltaic	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Northbridge Solar	MA	58385	NSMA	1.9	Solar Photovoltaic	SUN	PV
2013	8	5070	Delaware Electric Cooperative	Electric Utility	Bruce A Henry Solar Farm	DE	58473	BHSF	4.0	Solar Photovoltaic	SUN	PV
2013	8	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED3	3.7	Other Natural Gas	NG	FC
2013	8	58368	Doyon Utilities, LLC	Commercial	JBER Landfill Gas Power Plant	AK	58380	5	1.4	Landfill Gas	LFG	IC
2013	8	56440	G2 Energy LLC	IPP	G2 Energy Ostrom Road LLC	CA	57133	361	1.5	Landfill Gas	LFG	IC
2013	8	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Mustang Station Unit 4	TX	56326	GEN3	145.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	8	2860	Los Esteros Critical Energy Facility LLC	IPP	Los Esteros Critical Energy Center	CA	55748	CAG5	126.1	Natural Gas Fired Combined Cycle	NG	CA
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	5	195.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	6	60.0	Natural Gas Fired Combined Cycle	NG	CA
2013	8	14328	Pacific Gas & Electric Co	Electric Utility	Guernsey Solar Station	CA	57891	1	20.0	Solar Photovoltaic	SUN	PV
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG1	185.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG2	185.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	STG1	245.0	Natural Gas Fired Combined Cycle	NG	CA
2013	9	58488	Alaska Environmental Power	IPP	Delta Wind Farm	AK	58511	EWT2	0.9	Onshore Wind Turbine	WND	WT
2013	9	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT7	0.4	Other Natural Gas	NG	FC
2013	9	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	01	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	9	57031	Beacon Power LLC	IPP	Hazle Spindle	PA	57716	HRS1	20.0	Flywheels	MWH	FW
2013	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CTOIS	3.4	Natural Gas Fired Combustion Turbine	NG	GT
2013	9	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW2	23.8	Onshore Wind Turbine	WND	WT
2013	9	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED4	3.7	Other Natural Gas	NG	FC
2013	9	56615	First Solar Energy LLC	IPP	Maryland Solar	MD	58408	MSH1	20.0	Solar Photovoltaic	SUN	PV
2013	9	58318	Haynes Farm LLC	IPP	Haynes Farm	NC	58332	1	5.0	Solar Photovoltaic	SUN	PV
2013	9	58429	Houweling's Tomatoes	Electric CHP	Houweling Nurseries	CA	58432	COG3	4.4	Other Natural Gas	NG	IC
2013	9	58336	McCallum Farm LLC	IPP	McCallum Farm	NC	58350	1	5.0	Solar Photovoltaic	SUN	PV
2013	9	58324	Moorings Farm LLC	IPP	Moorings Farm	NC	58338	1	5.0	Solar Photovoltaic	SUN	PV
2013	9	58473	NVT LICENSES, LLC	IPP	Spectrum Solar PV Power Project	NV	58490	1	30.0	Solar Photovoltaic	SUN	PV
2013	9	16024	Riverwood Intl USA Inc	Industrial	Riverwood International Macon Mill	GA	54464	0005	39.5	Wood/Wood Waste Biomass	WDS	ST
2013	9	17609	Southern California Edison Co	Electric Utility	Cal State Univ San Bernardino FC01	CA	57544	FC01	1.4	Other Natural Gas	NG	FC
2013	9	57176	WC Landfill Energy LLC	IPP	WC Landfill Energy LLC	NJ	57848	SOLAR	1.2	Solar Photovoltaic	SUN	PV
2013	9	58327	White Cross Farm LLC	IPP	White Cross Farm	NC	58341	1	5.0	Solar Photovoltaic	SUN	PV
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN 1	125.0	Solar Thermal with Energy Storage	SUN	CP
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN2	125.0	Solar Thermal with Energy Storage	SUN	CP
2013	10	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE3	33.4	Solar Photovoltaic	SUN	PV
2013	10	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED5	3.7	Other Natural Gas	NG	FC
2013	10	58498	F H Stoltze Land & Lumber Co	Industrial	Stoltze CoGen1	MT	58523	STL2	3.8	Wood/Wood Waste Biomass	WDS	ST

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	10	56615	First Solar Energy LLC	IPP	Campo Verde Solar	CA	58467	CVS1	139.0	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS2	46.6	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	Electric Utility	Los Lunas Solar Energy Center	NM	57571	LMS2	2.0	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	Electric Utility	Manzano Solar	NM	58521	MAN1	8.0	Solar Photovoltaic	SUN	PV
2013	10	7477	Granger Electric Co	IPP	L&S Sweetners	PA	58497	GEN1	1.6	Landfill Gas	LFG	IC
2013	10	7477	Granger Electric Co	IPP	L&S Sweetners	PA	58497	GEN2	1.6	Landfill Gas	LFG	IC
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2	32.3	Solar Photovoltaic	SUN	PV
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2C	70.0	Solar Photovoltaic	SUN	PV
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG1	2.0	Onshore Wind Turbine	WND	WT
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG2	2.0	Onshore Wind Turbine	WND	WT
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG3	2.0	Onshore Wind Turbine	WND	WT
2013	10	58321	Marshville Farm LLC	IPP	Marshville Farm	NC	58335	1	5.0	Solar Photovoltaic	SUN	PV
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	1A	122.0	Conventional Hydroelectric	WAT	HY
2013	10	15793	Redwood Falls Public Util Comm	Electric Utility	Redwood Falls	MN	2009	8	0.5	Conventional Hydroelectric	WAT	HY
2013	10	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 2-1 LLC	NC	58566	CHP	0.4	Other Waste Biomass	OBG	IC
2013	10	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	23.0	Petroleum Liquids	DFO	GT
2013	10	57081	Washington Gas Energy Systems, Inc.	IPP	Bellingham PV	MA	58403	SO032	3.0	Solar Photovoltaic	SUN	PV
2013	11	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	01	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	57430	Berlin Station, LLC	IPP	Burgess BioPower	NH	58054	ST01	67.5	Wood/Wood Waste Biomass	WDS	ST
2013	11	56819	CSOLAR IV South LLC	IPP	Imperial Solar Energy Center South	CA	57490	56819	128.9	Solar Photovoltaic	SUN	PV
2013	11	58239	Desert Sky Solar LLC	IPP	Badger 1	AZ	58262	1	14.8	Solar Photovoltaic	SUN	PV
2013	11	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED6	3.7	Other Natural Gas	NG	FC
2013	11	58523	Enerdyne Power Systems Inc	IPP	Onslow Power Producers	NC	58558	GEN1	1.9	Landfill Gas	LFG	IC
2013	11	56615	First Solar Energy LLC	Electric Utility	Deming Solar Energy Center	NM	57575	HON2	4.0	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL16	22.7	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL17	29.0	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL20	25.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL1	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL10	30.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL11	20.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL2	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL3	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL4	30.2	Solar Photovoltaic	SUN	PV
2013	11	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	633	0.6	Other Waste Biomass	OBG	IC
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G7	7.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G8	7.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G9	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN02	125.0	Solar Thermal without Energy Storage	SUN	ST
2013	11	58376	IND Solar Farm	IPP	IND Solar Farm 1st Phase	IN	58391	1	10.0	Solar Photovoltaic	SUN	PV
2013	11	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1	101.0	Solar Photovoltaic	SUN	PV
2013	11	20508	MeadWestvaco Corp	Industrial	Covington Facility	VA	50900	GEN7	81.0	Wood/Wood Waste Biomass	WDS	ST
2013	11	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW18	62.5	Conventional Hydroelectric	WAT	HY
2013	11	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW19	62.5	Conventional Hydroelectric	WAT	HY
2013	11	58547	Port of Tillamook Bay	Electric Utility	POTB Digester	OR	58591	GEN1	1.0	Other Waste Biomass	OBG	IC
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CA1	264.0	Natural Gas Fired Combined Cycle	NG	CA
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT1	179.0	Natural Gas Fired Combined Cycle	NG	CT
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT2	179.0	Natural Gas Fired Combined Cycle	NG	CT
2013	11	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 4-3 LLC	NC	58567	CHP	0.7	Other Waste Biomass	OBG	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	1	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	2	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	3	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	4	2.3	Petroleum Liquids	DFO	IC
2013	11	58524	South Boston Energy LLC	IPP	Halifax County Biomass	VA	58560	STG1	44.3	Wood/Wood Waste Biomass	WDS	ST
2013	11	58545	Tuscola Wind II LLC	IPP	Tuscola Wind II LLC	MI	58587	1	100.3	Onshore Wind Turbine	WND	WT
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Rio Rancho High School	NM	58589	RRHS	1.0	Solar Photovoltaic	SUN	PV
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Sue Cleveland High School	NM	58588	SCHS	1.0	Solar Photovoltaic	SUN	PV
2013	11	20847	Wisconsin Electric Power Co	IPP	Rothschild Biomass Cogen Facility	WI	58124	1	50.0	Wood/Wood Waste Biomass	WDS	ST
2013	12	58566	Abengoa Bioenergy Biomass of Kansas	Industrial	ABBK Biomass Plant	KS	58613	STG	6.0	Other Waste Biomass	OBS	ST
2013	12	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV2	18.0	Solar Photovoltaic	SUN	PV
2013	12	803	Arizona Public Service Co	Electric Utility	Hyder II	AZ	58383	PV1	18.0	Solar Photovoltaic	SUN	PV
2013	12	58461	Buffalo Dunes Wind Project LLC	IPP	Buffalo Dunes Wind Project	KS	58474	GE1	249.8	Onshore Wind Turbine	WND	WT
2013	12	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	2	0.5	Solar Photovoltaic	SUN	PV
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Champagne	CA	58581	1	1.0	Solar Photovoltaic	SUN	PV
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Jurupa	CA	58582	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE4	33.4	Solar Photovoltaic	SUN	PV
2013	12	56769	Consolidated Edison Development Inc.	IPP	Frenchtown III Solar	NJ	58564	F3NJ	7.9	Solar Photovoltaic	SUN	PV
2013	12	56769	Consolidated Edison Development Inc.	IPP	Merrimac Solar	MA	58561	MSMA	1.5	Solar Photovoltaic	SUN	PV
2013	12	57365	Consolidated Edison Solutions Inc	IPP	Desert Hot Springs Solar	CA	58514	DHCA	2.2	Solar Photovoltaic	SUN	PV
2013	12	57365	Consolidated Edison Solutions Inc	IPP	Quittacas Pond Solar	MA	58362	QPMA	3.5	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Azalea Solar Power Facility	GA	58482	1	7.7	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Bridgeport Fuel Cell Park	CT	58551	1	14.9	Other Natural Gas	NG	FC
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar 1	IN	58552	1	10.0	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar II	IN	58556	1	10.1	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar III	IN	58553	1	8.6	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Somers Solar Center	CT	58554	1	5.0	Solar Photovoltaic	SUN	PV
2013	12	57280	Eagle Creek RE LLC	IPP	Rio	NY	2631	RIO2	0.8	Conventional Hydroelectric	WAT	HY
2013	12	58535	Eagle Valley Clean Energy LLC	IPP	Eagle Valley Clean Energy LLC Biomass	CO	58574	01	11.3	Wood/Wood Waste Biomass	WDS	ST
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	1-G1A	4.4	Geothermal	GEO	BT
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	2-GIA	4.4	Geothermal	GEO	BT
2013	12	58523	Enerdyne Power Systems Inc	IPP	BiCounty Gas Producers LLC	TN	58559	GEN2	1.9	Landfill Gas	LFG	IC
2013	12	58523	Enerdyne Power Systems Inc	IPP	Oak Grove Gas Producers	KS	57489	G2	1.9	Landfill Gas	LFG	IC
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL12	39.1	Solar Photovoltaic	SUN	PV
2013	12	56615	First Solar Energy LLC	Electric Utility	Otero Solar	NM	58520	OTE1	7.5	Solar Photovoltaic	SUN	PV
2013	12	58541	Forbes Street Solar, LLC	IPP	Forbes Street Solar	RI	58583	FSS1	3.0	Solar Photovoltaic	SUN	PV
2013	12	58537	Fresh Air Energy IV LLC	IPP	Sonora 1	CA	58578	SON1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	1426	1.4	Other Waste Biomass	OBG	IC
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G12	5.0	Other Natural Gas	NG	ST
2013	12	56611	Gainesville Renewable Energy Center LLC	IPP	Gainesville Renewable Energy Center	FL	57241	1	102.5	Wood/Wood Waste Biomass	WDS	ST
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass	OBL	IC
2013	12	58526	Hometown Bio Energy LLC	Electric CHP	Hometown Bio Energy LLC	MN	58563	HTBE	7.5	Other Waste Biomass	OBG	IC
2013	12	49893	Invenergy Services LLC	IPP	Goldthwaite Wind Energy Facility	TX	58321	1	150.0	Onshore Wind Turbine	WND	WT
2013	12	49893	Invenergy Services LLC	IPP	Lakeland Solar Energy LLC	GA	58572	1	0.9	Solar Photovoltaic	SUN	PV
2013	12	49893	Invenergy Services LLC	IPP	Lakeland Solar Energy LLC	GA	58572	2	0.9	Solar Photovoltaic	SUN	PV
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB01	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB02	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB03	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB04	0.4	Geothermal	GEO	BT
2013	12	58617	Mahoning Creek Hydroelectric Company LLC	IPP	Mahoning Creek Hydroelectric Project	PA	58685	8107	6.6	Conventional Hydroelectric	WAT	HY
2013	12	58323	Moore Solar Farm LLC	IPP	Moore Solar Farm	NC	58337	1	5.0	Solar Photovoltaic	SUN	PV
2013	12	57499	NRG Energy Services	IPP	Ivanpah 1	CA	57074	ST1	125.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	57499	NRG Energy Services	IPP	Ivanpah 2	CA	57073	ST1	133.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	57499	NRG Energy Services	IPP	Ivanpah 3	CA	57075	ST1	133.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	58197	Newberry Solar 1 LLC	IPP	Newberry Solar 1 LLC	CA	58226	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58341	Nippon Paper Industries USA	Industrial	NPI USA Cogeneration Plant	WA	58352	G-11	20.0	Wood/Wood Waste Biomass	WDS	ST
2013	12	58489	OCI Solar Power	IPP	OCI Alamo Solar I	TX	58537	1	40.7	Solar Photovoltaic	SUN	PV
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	1	10.0	Geothermal	GEO	BT
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	3	10.0	Geothermal	GEO	BT

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	5	10.0	Geothermal	GEO	BT
2013	12	58539	Pheasant Run Wind LLC	IPP	Pheasant Run Wind LLC	MI	58580	1	74.8	Onshore Wind Turbine	WND	WT
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG1	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG2	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG3	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG4	1.4	Other Waste Biomass	OBG	IC
2013	12	56067	Plainfield Renewable Energy, LLC	IPP	Plainfield Renewable Energy LLC	CT	56847	STG	37.5	Wood/Wood Waste Biomass	WDS	ST
2013	12	58481	RE Gillespie 1 LLC	IPP	Gillespie 1	AZ	58501	GILL1	15.0	Solar Photovoltaic	SUN	PV
2013	12	58480	RE Rio Grande, LLC	IPP	Rio Grande	CA	58500	RIO	5.0	Solar Photovoltaic	SUN	PV
2013	12	58175	RE Victor Phelan Solar One LLC	IPP	RE Victor Phelan Solar One LLC	CA	58202	VPS1	20.0	Solar Photovoltaic	SUN	PV
2013	12	58582	RP Wind LLC	IPP	RP Wind	OH	58630	RPOH	3.4	Onshore Wind Turbine	WND	WT
2013	12	57313	SolarCity Corporation	IPP	Queen Anne's County	MD	58631	1	2.0	Solar Photovoltaic	SUN	PV
2013	12	57469	Stony Creek Wind Farm NY	IPP	Stony Creek Wind Farm NY	NY	58088	1	94.4	Onshore Wind Turbine	WND	WT
2013	12	58658	Sunlight Partners	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV
2013	12	58658	Sunlight Partners	IPP	Hawkins Solar	NC	58727	PV1	5.0	Solar Photovoltaic	SUN	PV
2013	12	58658	Sunlight Partners	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV
2013	12	58658	Sunlight Partners	IPP	Nick Solar	NC	58741	PV1	5.0	Solar Photovoltaic	SUN	PV
2013	12	58629	TIG Sun Energy I LLC	IPP	Colleton Solar Farm	SC	58700	CS300	2.5	Solar Photovoltaic	SUN	PV
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	2	1.5	Solar Photovoltaic	SUN	PV
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	3	0.7	Solar Photovoltaic	SUN	PV
2013	12	57081	Washington Gas Energy Systems, Inc.	IPP	Marshfield PV	MA	58410	SO032	3.0	Solar Photovoltaic	SUN	PV
2013	12	58329	Yanceyville Farm LLC	IPP	Yanceyville Farm	NC	58343	1	5.0	Solar Photovoltaic	SUN	PV
2013	12	58661	sPower	IPP	Industry Solar Power Generation Station 1 LLC	CA	58609	ISP1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58661	sPower	IPP	Navajo Solar Power Generation Station 1 LLC	CA	58610	NSP1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58661	sPower	IPP	Otoe Solar Power Generation Station 1 LLC	CA	58612	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58661	sPower	IPP	Powhatan Solar Power Generation Station 1 LLC	CA	58611	1	1.5	Solar Photovoltaic	SUN	PV

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	Petroleum Liquids	RFO	ST
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	Petroleum Liquids	RFO	ST
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	Other Natural Gas	NG	IC
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	Other Gases	OG	ST
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	Nuclear	NUC	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	Other Natural Gas	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	Other Natural Gas	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	Other Natural Gas	NG	ST
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	Petroleum Liquids	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	Petroleum Liquids	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	Petroleum Liquids	DFO	IC
2013	2	10171	Kentucky Utilities Co	Electric Utility	Tyrone	KY	1361	3	71.0	Conventional Steam Coal	BIT	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	Other Natural Gas	NG	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	Other Natural Gas	NG	ST
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	2.0	Petroleum Liquids	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	Petroleum Liquids	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	Petroleum Liquids	DFO	IC
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	Natural Gas Fired Combined Cycle	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	Natural Gas Fired Combined Cycle	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	Natural Gas Fired Combined Cycle	NG	CA
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	Petroleum Liquids	DFO	IC
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	Petroleum Liquids	DFO	IC
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	Petroleum Liquids	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	Petroleum Liquids	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	Petroleum Liquids	DFO	CT
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	1	0.7	Conventional Steam Coal	BIT	ST
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	2	0.7	Conventional Steam Coal	BIT	ST
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	3	2.0	Conventional Steam Coal	BIT	ST
2013	3	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	1	12.5	Geothermal	GEO	BT
2013	4	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT4	0.2	Other Natural Gas	NG	FC
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ16	1.4	Conventional Hydroelectric	WAT	HY
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ17	1.4	Conventional Hydroelectric	WAT	HY
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	1	52.5	Petroleum Liquids	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	2	51.0	Petroleum Liquids	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	3	137.5	Conventional Steam Coal	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	4	232.0	Conventional Steam Coal	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	5	2.5	Petroleum Liquids	DFO	IC
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	6	2.5	Petroleum Liquids	DFO	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	1	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	2	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	3	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	4	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	5	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	6	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	7	0.6	Other Natural Gas	NG	IC
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI1	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI2	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI3	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI4	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI5	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI6	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI7	6.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI8	6.0	Conventional Hydroelectric	WAT	HY
2013	5	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ14	0.3	Conventional Hydroelectric	WAT	HY
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	10	2.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	11	3.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	12	3.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	18	8.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	8	2.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	9	2.0	Other Natural Gas	NG	IC
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	3516	1.3	Petroleum Liquids	DFO	IC
2013	5	54718	Dominion Energy Kewaunee Inc.	IPP	Kewaunee	WI	8024	1	566.0	Nuclear	NUC	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	5	128.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	6	128.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	4	94.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	5	94.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	6	133.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	7	133.0	Conventional Steam Coal	BIT	ST
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	Petroleum Liquids	DFO	IC
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	Petroleum Liquids	DFO	IC
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	6	335.0	Other Natural Gas	NG	ST
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	7	337.0	Other Natural Gas	NG	ST
2013	6	1687	Bio-Energy Partners	IPP	Ridgeview	WI	55925	GEN9	0.8	Landfill Gas	LFG	IC
2013	6	5998	City of Estherville - (IA)	Electric Utility	Estherville	IA	1137	6	1.7	Petroleum Liquids	DFO	IC
2013	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	4	63.0	Conventional Steam Coal	BIT	ST
2013	6	55997	Domtar Paper Company Rothschild	Industrial	Domtar Paper Company Rothschild	WI	50190	TG2	4.7	Other Natural Gas	NG	ST
2013	6	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	GT1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	5	292.0	Other Natural Gas	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	6	238.0	Other Natural Gas	NG	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	1	162.0	Petroleum Liquids	RFO	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	10	11.9	Petroleum Liquids	DFO	GT
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	2	168.0	Petroleum Liquids	RFO	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	2	1,070.0	Nuclear	NUC	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	3	1,080.0	Nuclear	NUC	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	1	110.0	Other Natural Gas	NG	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	2	100.0	Other Natural Gas	NG	ST
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ01	0.7	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ02	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ03	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ04	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ05	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ06	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ07	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ08	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ09	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ10	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ11	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ12	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ13	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ15	0.5	Conventional Hydroelectric	WAT	HY
2013	7	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	GEN2	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	3	335.0	Other Natural Gas	NG	ST
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG1A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG2A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG3A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG4A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG5	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG6	0.3	Petroleum Liquids	DFO	IC
2013	7	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	Conventional Hydroelectric	WAT	HY
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	3	111.0	Conventional Steam Coal	BIT	ST

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, Month, and Year

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	5	111.0	Conventional Steam Coal	BIT	ST
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	GILD	0.3	Conventional Hydroelectric	WAT	HY
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	TOM	0.4	Conventional Hydroelectric	WAT	HY
2013	9	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	2	325.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	1	72.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	2	72.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	3	72.0	Conventional Steam Coal	BIT	ST
2013	9	14465	Park 500 Philip Morris USA	Industrial	Park 500 Philip Morris USA	VA	50275	TG2	2.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	2	82.0	Petroleum Liquids	DFO	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	3	278.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	1	530.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	2	530.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	3	530.0	Conventional Steam Coal	BIT	ST
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1	0.3	Petroleum Liquids	DFO	IC
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG2	0.3	Petroleum Liquids	DFO	IC
2013	10	13756	Northern Indiana Pub Serv Co	Electric Utility	Dean H Mitchell	IN	996	9A	17.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10	103.8	Conventional Hydroelectric	WAT	HY
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	1	23.0	Conventional Steam Coal	BIT	ST
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	2	41.0	Conventional Steam Coal	BIT	ST
2013	11	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	2	544.0	Other Natural Gas	NG	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	1	97.0	Conventional Steam Coal	BIT	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	2	90.0	Conventional Steam Coal	BIT	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	3	366.0	Conventional Steam Coal	BIT	ST
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	1	17.6	Conventional Steam Coal	BIT	ST
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	2	24.9	Conventional Steam Coal	BIT	ST
2013	12	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	7	48.0	Other Natural Gas	NG	ST
2013	12	5860	Empire District Electric Co	Electric Utility	Asbury	MO	2076	2	14.5	Conventional Steam Coal	SUB	ST
2013	12	9332	Indian River Operations Inc	IPP	Indian River Generating Station	DE	594	3	153.0	Conventional Steam Coal	BIT	ST
2013	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	3	29.4	Conventional Steam Coal	SUB	ST
2013	12	12827	Montclair State Univ Cogen	Commercial	Montclair Cogen Facility	NJ	54708	1	3.7	Natural Gas Fired Combustion Turbine	NG	GT
2013	12	15466	Public Service Co of Colorado	Electric Utility	Arapahoe	CO	465	3	35.0	Conventional Steam Coal	SUB	ST

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG1	2.1	Landfill Gas	LFG	IC
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG2	2.1	Landfill Gas	LFG	IC
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN6	1.6	Landfill Gas	LFG	IC
2014	1	58546	Cascade Solar LLC	IPP	Cascade Solar	CA	58590	1	18.5	Solar Photovoltaic	SUN	PV
2014	1	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	3	4.0	Conventional Hydroelectric	WAT	HY
2014	1	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	4	4.0	Conventional Hydroelectric	WAT	HY
2014	1	57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other	PUR	ST
2014	1	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL13	39.1	Solar Photovoltaic	SUN	PV
2014	1	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ3	151.9	Solar Photovoltaic	SUN	PV
2014	1	58596	Hanwha Q CELLS USA	IPP	Kalaeloa Renewable Energy Park	HI	58651	KREP	5.0	Solar Photovoltaic	SUN	PV
2014	1	49893	Invenergy Services LLC	IPP	Prairie Breeze	NE	58322	1	206.5	Onshore Wind Turbine	WND	WT
2014	1	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG1	1.6	Landfill Gas	LFG	IC
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG2	1.6	Landfill Gas	LFG	IC
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG3	1.6	Landfill Gas	LFG	IC
2014	1	58515	NextEra Energy Mountain View Solar	IPP	Mountain View Solar	NV	58544	1	20.0	Solar Photovoltaic	SUN	PV
2014	1	34691	Ormat Nevada Inc	IPP	Wild Rose Geothermal Power Plant	NV	58533	1	8.8	Geothermal	GEO	BT
2014	1	58482	RE Columbia 3 LLC	IPP	Columbia 3	CA	58502	COL3	10.0	Solar Photovoltaic	SUN	PV
2014	1	58478	RE Rosamond One LLC	IPP	Rosamond One	CA	58498	RONE	20.0	Solar Photovoltaic	SUN	PV
2014	1	58479	RE Rosamond Two LLC	IPP	Rosamond Two	CA	58499	RTWO	20.0	Solar Photovoltaic	SUN	PV
2014	1	50102	Rock-Tenn Company	Industrial	Rock-Tenn Mill	AL	54763	4TG	30.0	Wood/Wood Waste Biomass	BLQ	ST
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	2	1.5	Solar Photovoltaic	SUN	PV
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind X	CA	58394	AW10	138.0	Onshore Wind Turbine	WND	WT
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind XI	CA	58395	AW11	90.0	Onshore Wind Turbine	WND	WT
2014	1	5109	The DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN1	50.0	Onshore Wind Turbine	WND	WT
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	1	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	2	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	2	0.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	4	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	1	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	2	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	5	1.5	Solar Photovoltaic	SUN	PV
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-3	1.7	Onshore Wind Turbine	WND	WT
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-4	1.7	Onshore Wind Turbine	WND	WT
2014	1	58568	Westlands Solar Farms, LLC	IPP	Westlands Solar PV Farm	CA	58616	WSF1	18.0	Solar Photovoltaic	SUN	PV
2014	2	58462	Battery Utility of Ohio LLC	IPP	Battery Utility of Ohio	OH	58475	BOU	4.0	Batteries	MWH	BA
2014	2	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime 2 LLC	NM	58465	0002	9.9	Onshore Wind Turbine	WND	WT
2014	2	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime LLC	NM	58464	0001	9.9	Onshore Wind Turbine	WND	WT
2014	2	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU3	110.0	Solar Photovoltaic	SUN	PV
2014	2	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL14	26.5	Solar Photovoltaic	SUN	PV
2014	2	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL5	25.2	Solar Photovoltaic	SUN	PV
2014	2	58598	Mass Solar, LLC	IPP	Dartmouth	MA	58682	PV1	6.3	Solar Photovoltaic	SUN	PV
2014	2	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	AVS1	38.0	Solar Photovoltaic	SUN	PV
2014	2	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	AVS2	19.3	Solar Photovoltaic	SUN	PV
2014	2	58489	OCI Solar Power	IPP	OCI Alamo 2, LLC	TX	58716	1	4.4	Solar Photovoltaic	SUN	PV
2014	2	34691	Ormat Nevada Inc	IPP	Heber Solar	CA	58398	1	10.0	Solar Photovoltaic	SUN	PV
2014	2	58656	Pheasant Run Wind II, LLC	IPP	Pheasant Run Wind II	MI	58719	WPH2	74.8	Onshore Wind Turbine	WND	WT
2014	2	58326	Roxboro Farm LLC	IPP	Roxboro Farm	NC	58340	1	5.0	Solar Photovoltaic	SUN	PV
2014	2	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	320	1.0	Landfill Gas	LFG	IC
2014	2	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	420	1.4	Landfill Gas	LFG	IC
2014	2	58658	Sunlight Partners	IPP	Angel Solar	NC	58731	PV1	5.0	Solar Photovoltaic	SUN	PV
2014	2	58658	Sunlight Partners	IPP	Austin Solar	NC	58733	PV1	2.0	Solar Photovoltaic	SUN	PV
2014	2	57081	Washington Gas Energy Systems, Inc.	IPP	Maynard PV	MA	58412	SO026	1.0	Solar Photovoltaic	SUN	PV
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG1	2.1	Landfill Gas	LFG	IC
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG2	2.1	Landfill Gas	LFG	IC
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG1	2.1	Landfill Gas	LFG	IC
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG2	2.1	Landfill Gas	LFG	IC
2014	3	58521	BIOFerm USA Inc	IPP	Oshkosh Foundation Rosedale Biodigester LLC	WI	58555	95100	1.4	Other Waste Biomass	OBG	IC
2014	3	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE5	18.6	Solar Photovoltaic	SUN	PV
2014	3	58135	Ecos Energy LLC	IPP	Bear Creek Solar	CA	58508	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	1	1.2	Conventional Hydroelectric	WAT	HY
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	2	1.2	Conventional Hydroelectric	WAT	HY
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	3	1.2	Conventional Hydroelectric	WAT	HY
2014	3	56615	First Solar Energy LLC	IPP	AV Solar Ranch One	CA	57378	AVSR	230.0	Solar Photovoltaic	SUN	PV
2014	3	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL15	13.9	Solar Photovoltaic	SUN	PV
2014	3	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ4	71.8	Solar Photovoltaic	SUN	PV
2014	3	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS16	62.9	Solar Photovoltaic	SUN	PV
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS25	51.9	Solar Photovoltaic	SUN	PV
2014	3	58256	Millbury Solar LLC	IPP	Millbury Solar	MA	58280	1	3.0	Solar Photovoltaic	SUN	PV
2014	3	58325	New Bern Farm LLC	IPP	New Bern Farm	NC	58339	1	5.0	Solar Photovoltaic	SUN	PV
2014	3	58654	Orion Solar I LLC	IPP	Orion Solar I	CA	58718	PV1	12.0	Solar Photovoltaic	SUN	PV
2014	3	58655	Orion Solar II, LLC	IPP	Orion Solar II	CA	58721	ORION	8.0	Solar Photovoltaic	SUN	PV
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN10	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN11	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN12	1.6	Landfill Gas	LFG	IC
2014	4	56979	Adobe Solar LLC	IPP	FRV Cygnus Solar Project	CA	57651	FRV3	20.0	Solar Photovoltaic	SUN	PV
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	1	0.5	Petroleum Liquids	JF	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	2	0.5	Petroleum Liquids	JF	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	3	0.5	Petroleum Liquids	JF	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	4	0.5	Petroleum Liquids	JF	IC
2014	4	58567	Blue Renewable Energy IMS, LLC	IPP	Indianapolis Motor Speedway Solar PV	IN	58615	IMS	9.0	Solar Photovoltaic	SUN	PV
2014	4	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE6	25.6	Solar Photovoltaic	SUN	PV
2014	4	57365	Consolidated Edison Solutions Inc	IPP	Port Richmond WWT Solar	NY	58647	1	1.0	Solar Photovoltaic	SUN	PV
2014	4	57365	Consolidated Edison Solutions Inc	IPP	Tihonet Solar	MA	58749	TSMA	1.0	Solar Photovoltaic	SUN	PV
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58135	Ecos Energy LLC	IPP	Kettleman Solar Project	CA	58510	PV5	1.0	Solar Photovoltaic	SUN	PV
2014	4	58135	Ecos Energy LLC	IPP	Vintner Solar	CA	58509	PV4	1.5	Solar Photovoltaic	SUN	PV
2014	4	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL18	29.0	Solar Photovoltaic	SUN	PV
2014	4	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL6	25.2	Solar Photovoltaic	SUN	PV
2014	4	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN01	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	4	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1A	99.0	Solar Photovoltaic	SUN	PV
2014	4	58322	Mile Farm LLC	IPP	Mile Farm	NC	58336	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58579	Silverado Power		Expressway Solar A	CA	58761	EXSA	2.0	Solar Photovoltaic	SUN	PV
2014	4	58579	Silverado Power		Expressway Solar B	CA	58762	EXSB	2.0	Solar Photovoltaic	SUN	PV
2014	4	57331	Soitec Solar Development LLC	IPP	Desert Green Solar Farm LLC	CA	57959	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58518	Sol Orchard Community, LLC	IPP	Community Solar 1	CA	58545	1	5.7	Solar Photovoltaic	SUN	PV
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	1	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	2	1.6	Landfill Gas	LFG	IC

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	3	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	4	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	5	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	6	1.6	Landfill Gas	LFG	IC
2014	5	221	Alaska Village Elec Coop, Inc	Electric Utility	Togiak	AK	6348	5A	0.8	Petroleum Liquids	DFO	IC
2014	5	56615	First Solar Energy LLC	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV
2014	5	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL7	20.2	Solar Photovoltaic	SUN	PV
2014	5	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2014	5	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS15	14.6	Solar Photovoltaic	SUN	PV
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	CT21	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	CT22	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	ST2	273.0	Natural Gas Fired Combined Cycle	NG	CA
2014	5	58579	Silverado Power		Lancaster Dry Farm Ranch B	CA	58750	LDFRB	5.0	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26K	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26L	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	01	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	02	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	03	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	04	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	05	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	06	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	07	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	08	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	09	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	10	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	11	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	12	9.0	Other Natural Gas	NG	IC
2014	5	56999	Western Massachusetts Electric Company	Electric Utility	Cottage Street Solar Facility	MA	58568	PV-3	3.2	Solar Photovoltaic	SUN	PV
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG1	29.3	Conventional Hydroelectric	WAT	HY
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric	WAT	HY
2014	6	56870	Blue Sky West LLC	IPP	Bingham Wind	ME	57531	1	127.0	Onshore Wind Turbine	WND	WT
2014	6	3370	Channel Energy Center LLC	IPP	Channel Energy Center LLC	TX	55299	CTG3	183.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	4994	Deer Park Energy Center	Electric CHP	Deer Park Energy Center	TX	55464	CTG6	154.8	Natural Gas Fired Combined Cycle	NG	CT

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL8	18.9	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ALHM	51.7	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ARK	51.7	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	SONR	51.7	Solar Photovoltaic	SUN	PV
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5A	1,212.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5B		Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5C		Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5ST		Natural Gas Fired Combined Cycle	NG	CA
2014	6	57475	HOW GM LLC	IPP	HOW GM1	MA	58097	1	3.5	Solar Photovoltaic	SUN	PV
2014	6	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	STG	186.0	Natural Gas Fired Combined Cycle	NG	CA
2014	6	58255	Mass Midstate Solar 1 LLC	IPP	Mass Midstate Solar 1	MA	58279	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58252	Mass Midstate Solar 2 LLC	IPP	Mass Midstate Solar 2	MA	58276	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58251	Mass Midstate Solar 3 LLC	IPP	Mass Midstate Solar 3	MA	58275	1	4.0	Solar Photovoltaic	SUN	PV
2014	6	58598	Mass Solar, LLC	IPP	North Brookfield	MA	58650	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	6	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS21	59.4	Solar Photovoltaic	SUN	PV
2014	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	58638	NGP Lenape Solar II, LLC	IPP	Lenape II	IN	58703	1	4.0	Solar Photovoltaic	SUN	PV
2014	6	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine	WND	WT
2014	6	58388	Pantex (NNSA)	Commercial	Pantex	TX	58404	1	11.5	Onshore Wind Turbine	WND	WT
2014	6	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind LLC	TX	58242	1	218.0	Onshore Wind Turbine	WND	WT
2014	6	58579	Silverado Power		Expressway Solar C2	CA	58763	EXSC2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Rodeo Solar C2	CA	58751	RSC2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Rodeo Solar D2	CA	58752	RSD2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar A2	CA	58753	SSA2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar B2	CA	58754	SSB2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar C2	CA	58755	SSC2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar D2	CA	58756	SSD2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar E2	CA	58757	SSE2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar F2	CA	58758	SSF2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar G2	CA	58759	SSG2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power		Summer Solar H2	CA	58760	SSH2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	1	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	2	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	3	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	4	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	5	4.0	Landfill Gas	LFG	GT
2014	6	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC1	3.0	Petroleum Liquids	DFO	IC
2014	6	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC2	3.0	Petroleum Liquids	DFO	IC
2014	6	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC3	4.0	Petroleum Liquids	DFO	IC
2014	6	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC4	4.0	Petroleum Liquids	DFO	IC
2014	6	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	49.9	Solar Photovoltaic	SUN	PV
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN10	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN7	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN8	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN9	2.0	Other Natural Gas	NG	IC
2014	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC
2014	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC
2014	6	58494	WSACC	IPP	WSACC Power Generation Facility	NC	58518	1	0.8	Other Waste Biomass	SLW	ST
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E101	304.0	Other Natural Gas	NG	CC
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E102	304.0	Other Natural Gas	NG	CC
2014	7	58262	Belectric Inc	IPP	Helen Solar 2	CA	58288	GEPV	1.5	Solar Photovoltaic	SUN	PV
2014	7	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Other Natural Gas	NG	IC
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP1	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP2	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	CTG-1	204.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	CTG-2	204.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	STG-1	309.0	Natural Gas Fired Combined Cycle	NG	CA
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-1	204.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-2	204.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-1	309.0	Natural Gas Fired Combined Cycle	NG	CA
2014	8	58503	Garnet Solar Power Station 1 LLC	IPP	Garnet Solar Power Station 1 LLC	CA	58528	WDT44	4.0	Solar Photovoltaic	SUN	PV
2014	8	10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koloa Solar	HI	58640	KOLPV	12.0	Solar Photovoltaic	SUN	PV
2014	8	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS22	54.9	Solar Photovoltaic	SUN	PV
2014	9	58262	Belectric Inc	IPP	Helen Solar 1	CA	58287	GWPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	58262	Belectric Inc	IPP	Venable Solar 1	CA	58289	VNPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	58262	Belectric Inc	IPP	Venable Solar 2	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	58262	Belectric Inc	IPP	Zuni Solar 1	CA	58285	ZNPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	58262	Belectric Inc	IPP	Zuni Solar 2	CA	58286	ZSPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric	WAT	HY
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric	WAT	HY
2014	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine	NG	GT
2014	9	49893	Invenergy Services LLC	IPP	Marsh Hill Wind Farm	NY	58768	1	16.2	Onshore Wind Turbine	WND	WT
2014	9	58413	Lone Valley	IPP	Lone Valley Project	CA	58417	CP1	30.0	Solar Photovoltaic	SUN	PV
2014	9	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine	WND	WT
2014	9	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS13	57.0	Solar Photovoltaic	SUN	PV
2014	9	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1A	1.0	Petroleum Liquids	DFO	IC
2014	9	56641	Tonopah Solar Energy LLC	IPP	Crescent Dunes Solar Energy	NV	57275	TSE-1	110.0	Solar Thermal with Energy Storage	SUN	CP
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN10	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN11	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN12	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN9	1.6	Landfill Gas	LFG	IC
2014	10	56702	510 REPP One LLC	IPP	510 REPP One	NC	57363	1	1.3	Solar Photovoltaic	SUN	PV
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01A	40.0	Natural Gas Fired Combined Cycle	NG	CT
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01B	40.0	Natural Gas Fired Combined Cycle	NG	CT
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01C	20.0	All Other	WH	CA
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02A	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	10	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2014	10	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL9	22.7	Solar Photovoltaic	SUN	PV
2014	10	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	ST1	129.6	Other Natural Gas	NG	ST
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	ST2	129.6	Other Natural Gas	NG	ST
2014	10	56724	Klamath Falls Bioenergy LLC	IPP	Klamath Falls Bioenergy Facility	OR	57388	EU1	37.0	Wood/Wood Waste Biomass	WDS	ST
2014	10	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS23	47.5	Solar Photovoltaic	SUN	PV
2014	10	58489	OCI Solar Power	IPP	OCI Alamo 4, LLC	TX	58717	1	39.6	Solar Photovoltaic	SUN	PV
2014	10	58579	Silverado Power	IPP	Western Antelope Dry Ranch	CA	58627	WADR	10.0	Solar Photovoltaic	SUN	PV
2014	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL19	25.2	Solar Photovoltaic	SUN	PV
2014	11	7570	Great River Energy	Electric Utility	Spiritwood Station	ND	56786	1	62.0	Conventional Steam Coal	LIG	ST
2014	11	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind 2 LLC	TX	58720	1	181.7	Onshore Wind Turbine	WND	WT
2014	11	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT
2014	11	58579	Silverado Power	IPP	Western Antelope Blue Sky Ranch A	CA	58626	WABSA	20.0	Solar Photovoltaic	SUN	PV
2014	11	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	1	377.5	Onshore Wind Turbine	WND	WT
2014	12	57009	Blue Chip Energy LLC	IPP	Sorrento	FL	57686	1	40.0	Solar Photovoltaic	SUN	PV
2014	12	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0	Solar Photovoltaic	SUN	PV

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm, LLC	TX	58596	GRVWI	200.6	Onshore Wind Turbine	WND	WT
2014	12	56215	E ON Climate Renewables N America LLC	IPP	Patriot Wind Farm	TX	58614	PAT1	178.5	Onshore Wind Turbine	WND	WT
2014	12	49932	Enel North America, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT
2014	12	49932	Enel North America, Inc.	IPP	South Fork Wind Farm	MN	58691	STFK1	13.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Badger Peak	ID	57148	BP	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Bonanza Bar	ID	57149	BBAR	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Chapin Mountain	ID	57142	CM	19.5	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Conner Ridge	ID	57147	CR	19.5	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Cottonwood Wind Park	ID	57144	JR20	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Deep Creek Wind Park	ID	57146	JR1	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Lava Beds Wind Park LLC	ID	56436	LBWP	18.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Notch Butte Wind Park	ID	56438	NBWP	18.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Rogerson Flats	ID	57145	RF	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Salmon Creek	ID	57150	SC	20.0	Onshore Wind Turbine	WND	WT
2014	12	56029	Fibrowatt LLC	IPP	FibroCoast	NC	56816	FC1	55.0	Other Waste Biomass	OBS	ST
2014	12	58412	Headwaters Wind Farm LLC	IPP	Headwaters Wind Farm LLC	IN	58416	1	200.0	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Dolan Springs	AZ	57920	1	300.0	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Penascal III	TX	57927	1	201.6	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	143.0	Onshore Wind Turbine	WND	WT
2014	12	57193	K Road Moapa Solar LLC	IPP	K Road Moapa Solar	NV	57859	1	250.0	Solar Photovoltaic	SUN	PV
2014	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-A	3.1	Solar Thermal with Energy Storage	SUN	CP
2014	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-B	3.1	Solar Thermal with Energy Storage	SUN	CP
2014	12	58598	Mass Solar, LLC	IPP	Braley Road 2	MA	58680	PV1	2.7	Solar Photovoltaic	SUN	PV
2014	12	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1A	157.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2014	12	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1B	157.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2014	12	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1C	206.5	Coal Integrated Gasification Combined Cycle	SGC	CA
2014	12	55868	Noble Wind Operations LLC	IPP	Noble Bellmont Windpark LLC	NY	56903	1	21.0	Onshore Wind Turbine	WND	WT
2014	12	58477	O2energies, Inc.	IPP	Biscoe Solar LLC	NC	58667	BISCO	5.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Chocowinity Solar LLC	NC	58675	CHOCO	5.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Cirrus Solar LLC	NC	58674	CIRRU	5.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Gates Solar LLC	NC	58673	GATES	5.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Rockwell Solar LLC	NC	58668	ROCKW	3.5	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Selma Solar LLC	NC	58669	SELMA	5.0	Solar Photovoltaic	SUN	PV
2014	12	58477	O2energies, Inc.	IPP	Turkey Branch Solar LLC	NC	58670	TURKY	5.0	Solar Photovoltaic	SUN	PV
2014	12	56980	Regulus Solar LP	IPP	FRV Regulus Solar Project	CA	57650	FRV4	60.0	Solar Photovoltaic	SUN	PV
2014	12	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	150.0	Onshore Wind Turbine	WND	WT
2014	12	58305	Rockland Capital	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	LanEast Solar Farm LLC	CA	57957	1	20.2	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	LanWest Solar Farm LLC	CA	57958	1	5.4	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	Tierra Del Sol Solar Farm LLC	CA	57961	1	45.0	Solar Photovoltaic	SUN	PV
2014	12	58658	Sunlight Partners	IPP	Elliana Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV
2014	12	58658	Sunlight Partners	IPP	Owen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV
2014	12	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT01	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT02	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT03	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	ST01	561.0	Natural Gas Fired Combined Cycle	NG	CA
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN3	1.6	Landfill Gas	LFG	IC
2015	1	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT
2015	1	56339	Champlain Wind LLC	IPP	Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT
2015	1	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	76.5	Onshore Wind Turbine	WND	WT
2015	1	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	2	76.5	Onshore Wind Turbine	WND	WT
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-1	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-2	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-3	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	25438	Friant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0	Conventional Hydroelectric	WAT	HY
2015	1	58576	Holstein Holdings, LLC	IPP	Holstein Plant	NC	58623	PV1	20.0	Solar Photovoltaic	SUN	PV
2015	1	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS12	52.6	Solar Photovoltaic	SUN	PV
2015	1	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	43.0	Solar Photovoltaic	SUN	PV
2015	1	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	80.0	Onshore Wind Turbine	WND	WT
2015	2	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG1	22.0	Conventional Hydroelectric	WAT	HY
2015	2	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ5	166.0	Solar Photovoltaic	SUN	PV
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	1	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	10	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	11	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	12	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	2	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	3	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	4	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	5	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	6	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	7	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	8	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Other Natural Gas	NG	IC
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY
2015	3	57277	Hidden Hills Solar I LLC	IPP	Hidden Hills Solar Plant 1	CA	57905	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	3	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI	58639	ANAPV	12.0	Solar Photovoltaic	SUN	PV
2015	3	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	3	88.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	2.0	Other Waste Biomass	OBG	ST
2015	3	56855	Performance Services	IPP	Purdue Energy Park	IN	57518	1	20.0	Onshore Wind Turbine	WND	WT
2015	3	15248	Portland General Electric Co	Electric Utility	Tucannon River Wind Farm	WA	58571	1	266.8	Onshore Wind Turbine	WND	WT
2015	3	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN1	4.2	Other Natural Gas	NG	IC
2015	3	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Other Natural Gas	NG	IC
2015	3	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Other Natural Gas	NG	IC
2015	3	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Other Natural Gas	NG	IC
2015	3	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Other Natural Gas	NG	IC
2015	3	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	5	0.4	Other Natural Gas	NG	IC
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-4	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-5	0.5	Solar Photovoltaic	SUN	PV
2015	4	58603	Aloha Solar Energy Fund I LLC	IPP	Aloha Solar Energy Fund 1 PK1	HI	58659	PK-1	5.0	Solar Photovoltaic	SUN	PV
2015	4	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG3	25.3	Conventional Hydroelectric	WAT	HY
2015	4	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV
2015	4	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV
2015	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT
2015	4	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV
2015	4	57411	KDC Solar O&M LLC	Commercial	Mountain Creek Solar Facility	NJ	58364	MC	4.6	Solar Photovoltaic	SUN	PV

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	4	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS11	52.6	Solar Photovoltaic	SUN	PV
2015	4	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS51	15.0	Solar Photovoltaic	SUN	PV
2015	5	11241	Entergy Louisiana Inc	Electric Utility	Nine Mile Point	LA	1403	6	561.0	Other Natural Gas	NG	CC
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	1	25.9	Onshore Wind Turbine	WND	WT
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	2	70.3	Onshore Wind Turbine	WND	WT
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	3	105.5	Onshore Wind Turbine	WND	WT
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	1	129.5	Onshore Wind Turbine	WND	WT
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	2	109.2	Onshore Wind Turbine	WND	WT
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	3	61.1	Onshore Wind Turbine	WND	WT
2015	5	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	3.0	Solar Photovoltaic	SUN	PV
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	7	640.0	Other Natural Gas	NG	CC
2015	5	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS14	32.2	Solar Photovoltaic	SUN	PV
2015	5	58616	Osage Wind, LLC	IPP	Osage Wind, LLC	OK	58683	1	150.4	Onshore Wind Turbine	WND	WT
2015	5	17445	Solid Waste Auth of Palm Beach	Electric Utility	Palm Beach Renewable Energy Facility#2	FL	57898	GEN2	85.0	Municipal Solid Waste	MSW	ST
2015	5	55510	Tiverton Power LLC	IPP	Tiverton Power Plant	RI	55048	UNT3	159.4	Natural Gas Fired Combined Cycle	NG	CT
2015	5	55510	Tiverton Power LLC	IPP	Tiverton Power Plant	RI	55048	UNT4	90.6	Natural Gas Fired Combined Cycle	NG	CA
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG2	205.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	STGEN	316.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Other Natural Gas	NG	CC
2015	6	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT002	240.0	Other Natural Gas	NG	CC
2015	6	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	918	City of Aspen- (CO)	Electric Utility	Castle Creek Hydroplant	CO	56566	1	1.2	Conventional Hydroelectric	WAT	HY
2015	6	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58235	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	56615	First Solar Energy LLC	IPP	North Star Solar	CA	58713	NSTR	62.5	Solar Photovoltaic	SUN	PV
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	7801	Gulf Power Co	Electric Utility	Perdido	FL	57502	3	1.5	Landfill Gas	LFG	IC
2015	6	10379	Klamath Generation LLC	Electric CHP	Klamath	OR	56019	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	10379	Klamath Generation LLC	Electric CHP	Klamath	OR	56019	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	10379	Klamath Generation LLC	IPP	Klamath	OR	56019	ST-1	220.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	58606	Mauka Fit One LLC	IPP	Mauka FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV
2015	6	58588	National Solar Power Partners LLC	IPP	Hardee County Solar Farms 1 LLC	FL	58637	HCSF1	20.0	Solar Photovoltaic	SUN	PV
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-3	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-4	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-2	309.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10A	122.0	Conventional Hydroelectric	WAT	HY
2015	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G401	200.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G501	200.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	58602	Utah Red Hills Renewable Energy Park LLC	IPP	Utah Red Hills Renewable Energy Park	UT	58660	1	80.0	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG1	172.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG2	172.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA
2015	7	58554	Beryl Solar, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58557	Buckhorn Solar, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58556	Cedar Valley Solar, LLC	IPP	Cedar Valley Solar Plant	UT	58599	CVSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58561	Granite Peak Solar, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58560	Greenville Solar, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA
2015	7	58559	Laho Solar, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	11208	Los Angeles Department of Water & Power	Commercial	VA Sepulveda Ambulatory Care Center	CA	58249	GEN1	3.5	Solar Photovoltaic	SUN	PV
2015	7	58558	Milford Flat Solar, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	14077	Oklahoma Municipal Power Authority	Electric Utility	Charles D. Lamb Energy Center	OK	58325	1	122.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	7	54863	U S Power Generating Company LLC	IPP	Gowanus Gas Turbines Generating	NY	2494	SS	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN7	1.6	Landfill Gas	LFG	IC
2015	8	57406	Deepwater Wind Block Island LLC	IPP	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	MCHP	5.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY
2015	8	58613	Route 66 Wind Power LLC	IPP	Route 66 Wind Plant	TX	58681	RT661	150.0	Onshore Wind Turbine	WND	WT
2015	9	56266	Green Gas-Pioneer Crossing Energy LLC	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LFG5	1.6	Landfill Gas	LFG	IC
2015	9	56266	Green Gas-Pioneer Crossing Energy LLC	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LFG6	1.6	Landfill Gas	LFG	IC
2015	9	57278	Hidden Hills Solar II LLC	IPP	Hidden Hills Solar Plant 2	CA	57906	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	9	15399	Iberdrola Renewables Inc	Electric CHP	Lakeview Cogeneration LLC	OR	57398	1	24.0	Other Waste Biomass	OBS	ST
2015	9	58609	OwnEnergy Inc		Alexander Wind Farm LLC	KS	58666	1	48.3	Onshore Wind Turbine	WND	WT
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	56963	Beaver Wood Energy Fair Haven, LLC	Electric CHP	Beaver Wood Energy Fair Haven, LLC	VT	57634	GEN1	29.5	Other Waste Biomass	OBS	ST
2015	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4	0.8	Landfill Gas	LFG	IC
2015	10	56282	Evergreen Wind Power II LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT
2015	10	56791	Hudson Ranch Power I LLC	IPP	Hudson Ranch Power II LLC	CA	58211	HR2	49.0	Geothermal	GEO	ST
2015	10	26253	Louisiana Energy & Power Authority	Electric Utility	Morgan City CC Youngs Road	LA	58478	LEPA1	79.0	Other Natural Gas	NG	CC
2015	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT
2015	12	56524	Baca Energy LLC	IPP	Baca Renewable Energy LLC	CO	57175	BACA1	75.0	Onshore Wind Turbine	WND	WT
2015	12	58625	Black Oak Wind, LLC	IPP	Black Oak Wind Farm	MN	58692	1	40.0	Onshore Wind Turbine	WND	WT
2015	12	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA
2015	12	58642	East Kapolei Solar LLC	IPP	EKS Solar Farm	HI	58705	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	12	49932	Enel North America, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT
2015	12	49932	Enel North America, Inc.	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT
2015	12	28086	Energy Unlimited Inc	IPP	Painted Hills IV Wind	CA	56926	1	19.5	Onshore Wind Turbine	WND	WT
2015	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	131.1	Onshore Wind Turbine	WND	WT
2015	12	58614	Hancock Wind LLC	IPP	Hancock Wind Plant	ME	58686	HANC1	51.0	Onshore Wind Turbine	WND	WT
2015	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT
2015	12	56633	Lake Country Wind Energy	IPP	Lake Country Wind Energy	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT
2015	12	55910	Lanai Sustainability Research LLC	IPP	Mililani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4		Other Natural Gas	NG	CC
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5		Other Natural Gas	NG	CC
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	95.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	95.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	56941	Meadow Lake Wind Farm V LLC	IPP	Meadow Lake Wind Farm V LLC	IN	57628	GEN1	100.0	Onshore Wind Turbine	WND	WT
2015	12	56873	Milford Wind Corridor Phase III LLC	IPP	Milford Wind Corridor Phase III	UT	57546	1	100.0	Onshore Wind Turbine	WND	WT
2015	12	58257	Mililani South PV LLC	IPP	Mililani South PV	HI	58281	1	5.0	Solar Photovoltaic	SUN	PV
2015	12	58417	Moxie Liberty LLC	IPP	Moxie Liberty Generation Plant	PA	58420	GEN1	382.5	Other Natural Gas	NG	CC

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	12	56545	Pattern Operators LP	IPP	Ripley Westfield Wind LLC	NY	57193	WTG	75.0	Onshore Wind Turbine	WND	WT
2015	12	56545	Pattern Operators LP	IPP	Texas Gulf Wind 2	TX	56662	1	187.2	Onshore Wind Turbine	WND	WT
2015	12	58626	Paynesville Wind, LLC	IPP	Paynesville Wind Farm	MN	58693	1	95.0	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA
2015	12	58168	Rio Mesa Solar I LLC	IPP	Rio Mesa SEGF 1		58188	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	12	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	CTG	11.6	Other Waste Biomass	OBG	CT
2015	12	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	STG	7.4	Other Waste Biomass	OBG	CA
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST
2015	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST
2015	12	19316	Two Elk Generation Partners LP	IPP	Two Elk Generating Station	WY	55360	GEN1	275.0	Conventional Steam Coal	WC	ST
2015	12	58624	Walnut Ridge Wind, LLC	IPP	Walnut Ridge Wind Farm	IL	58694	1	210.0	Onshore Wind Turbine	WND	WT
2015	12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	200.0	Onshore Wind Turbine	WND	WT
2016	1	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	346.0	Other Natural Gas	NG	CC
2016	1	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	346.0	Other Natural Gas	NG	CC
2016	1	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	346.0	Other Natural Gas	NG	CC
2016	2	58417	Moxie Liberty LLC	IPP	Moxie Liberty Generation Plant	PA	58420	GEN2	382.5	Other Natural Gas	NG	CC
2016	3	58421	Moxie Patriot LLC	IPP	Moxie Patriot Generation Plant	PA	58426	GEN1	382.5	Other Natural Gas	NG	CC
2016	3	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0001	40.2	Natural Gas Fired Combustion Turbine	NG	GT
2016	3	58169	Rio Mesa Solar II LLC	IPP	Rio Mesa SEGF 2	CA	58189	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2016	4	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY
2016	4	54866	Robinson Power Company LLC	Electric CHP	Robinson Power Company LLC	PA	56453	1	132.0	Conventional Steam Coal	BIT	ST
2016	4	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS52	14.9	Solar Photovoltaic	SUN	PV
2016	5	867	ARCO Products Co-Watson	Industrial	Watson Cogeneration	CA	50216	GN97	79.6	Natural Gas Fired Combined Cycle	NG	CT
2016	5	58597	Enivromission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT
2016	5	58421	Moxie Patriot LLC	IPP	Moxie Patriot Generation Plant	PA	58426	GEN2	382.5	Other Natural Gas	NG	CC
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN1	500.0	Other Natural Gas	NG	CC
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT01	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT02	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT03	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	ST01	595.3	Natural Gas Fired Combined Cycle	NG	CA
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG1	189.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG2	189.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	STG	198.0	Natural Gas Fired Combined Cycle	NG	CA
2016	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	305.0	Natural Gas Fired Combined Cycle	NG	CA
2016	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	1	1.5	Petroleum Liquids	DFO	IC
2016	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	2	1.5	Petroleum Liquids	DFO	IC
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2		Natural Gas Fired Combined Cycle	NG	CT
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-3		Natural Gas Fired Combined Cycle	NG	CA
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5A	1,260.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA
2016	6	58409	Future Power PA	Electric CHP	Good Spring NGCC	PA	58409	GT1	225.0	Other Natural Gas	NG	CC
2016	6	58409	Future Power PA	Electric CHP	Good Spring NGCC	PA	58409	HRSG1	108.0	Other Natural Gas	NG	CC
2016	6	11806	Massachusetts Mun Wholes Electric Co	Electric Utility	Stony Brook	MA	6081	3A	289.0	Other Natural Gas	NG	CC
2016	6	56640	Rice Solar Energy LLC	Commercial	Rice Solar Energy	CA	57276	RSE1	150.0	Solar Thermal without Energy Storage	SUN	OT
2016	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	2	642.0	Other Natural Gas	NG	CC
2016	7	56615	First Solar Energy LLC	IPP	Silver State South	NV	58644	SSS	286.8	Solar Photovoltaic	SUN	PV
2016	7	56615	First Solar Energy LLC	IPP	Stateline Solar	NV	58646	STL	299.5	Solar Photovoltaic	SUN	PV
2016	7	2518	U S Bureau of Reclamation	Electric Utility	Black Canyon	ID	6396	3	12.5	Conventional Hydroelectric	WAT	HY
2016	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC
2016	9	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY
2016	9	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY
2016	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN	PV
2016	10	58381	Troutdale Energy Center LLC	IPP	Troutdale Energy Center	OR	58396	PLGEN	652.0	Other Natural Gas	NG	CC
2016	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST
2016	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	250.0	Solar Photovoltaic	SUN	PV
2016	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV
2016	12	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	GT3	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Other Natural Gas	NG	CC
2016	12	58623	Grande Prairie Wind, LLC	IPP	Grande Prairie Wind Farm	NE	58695	1	400.0	Onshore Wind Turbine	WND	WT
2016	12	56946	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57617	GEN1	150.0	Onshore Wind Turbine	WND	WT
2016	12	15399	Iberdrola Renewables Inc	IPP	Dry Lake Solar	AZ	57922	1	50.0	Solar Photovoltaic	SUN	PV
2016	12	15399	Iberdrola Renewables Inc	IPP	Montague Wind Power Facility LLC	OR	58099	1	150.0	Onshore Wind Turbine	WND	WT
2016	12	56743	K Road Calico Solar, LLC	IPP	K Road Calico Solar	CA	57416	02	388.5	Solar Photovoltaic	SUN	PV
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	GTG1	37.0	Natural Gas Fired Combined Cycle	NG	CT
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	STG1	18.0	Natural Gas Fired Combined Cycle	NG	CA
2016	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Coal Integrated Gasification Combined Cycle	BIT	CC
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	A	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	B	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	D	110.0	Solar Photovoltaic	SUN	PV
2016	12	56676	PV2 Energy, LLC	IPP	Panoche Valley Solar Farm	CA	57340	1	399.0	Solar Photovoltaic	SUN	PV
2016	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A	3.0	Other Gases	OG	ST
2016	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN 1	99.0	Onshore Wind Turbine	WND	WT
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT2	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY
2017	1	18454	Tampa Electric Co	Electric Utility	Polk	FL	7242	9	459.0	Natural Gas Fired Combined Cycle	NG	CA
2017	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY
2017	3	17539	South Carolina Electric&Gas Co	Electric Utility	V C Summer	SC	6127	2	1,100.0	Nuclear	NUC	ST
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CC1	646.0	Other Natural Gas	NG	CC
2017	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1	301.5	Natural Gas Fired Combined Cycle	NG	CT
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2	301.5	Natural Gas Fired Combined Cycle	NG	CT
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA
2017	7	4716	Dairyland Power Coop	Electric Utility	Elk Mound	WI	7863	3	35.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	7	4716	Dairyland Power Coop	Electric Utility	Elk Mound	WI	7863	4	35.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST
2017	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT3	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT4	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST1	181.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST2	181.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	11208	Los Angeles Department of Water & Power	Electric Utility	Southern Owens Valley Solar Ranch	CA	57304	1	200.0	Solar Photovoltaic	SUN	PV
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY
2017	12	56949	Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WND	WT
2017	12	56061	Reedsport OPT Wave Park LLC	IPP	Reedsport OPT Wave Park	OR	56906	1	1.5		WAT	HB
2018	1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST
2018	1	54869	WMPI PTY LLC	Industrial	WMPI Pty LLC	PA	56455	1	41.0	Coal Integrated Gasification Combined Cycle	WC	CC
2018	3	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST
2018	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	5	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST
2018	5	17539	South Carolina Electric&Gas Co	Electric Utility	V C Summer	SC	6127	3	1,100.0	Nuclear	NUC	ST
2018	6	54867	Christian County Generation LLC	IPP	Taylorville Energy Center	IL	56454	1	533.0	Coal Integrated Gasification Combined Cycle	SGC	CC
2018	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02B	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	03A	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	4	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0002	40.2	Natural Gas Fired Combustion Turbine	NG	GT
2019	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	1	149.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	56947	Antelope Ridge Wind Power LLC	IPP	Antelope Ridge Wind Power	OR	57615	GEN1	300.0	Onshore Wind Turbine	WND	WT
2019	12	14354	PacifiCorp	Electric Utility	Blundell	UT	299	3	35.0	Geothermal	GEO	ST
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	49.9	Geothermal	GEO	ST
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	49.9	Geothermal	GEO	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8		Other Natural Gas	NG	CC
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9		Other Natural Gas	NG	CC
2020	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	ME	57612	GEN1	200.0	Onshore Wind Turbine	WND	WT
2021	6	6455	Duke Energy Florida, Inc	Electric Utility	Levy Nuclear Plant	FL	57894	LNP1	1,092.0	Nuclear	NUC	ST
2022	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WND	WT
2022	12	6455	Duke Energy Florida, Inc	Electric Utility	Levy Nuclear Plant	FL	57894	LNP2	1,092.0	Nuclear	NUC	ST
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	200.0	Onshore Wind Turbine	WND	WT
2023	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combustion Turbine	NG	GT

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	1	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	1	12.0	Conventional Hydroelectric	WAT	HY
2014	1	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	2	12.0	Conventional Hydroelectric	WAT	HY
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H8	48.6	Petroleum Liquids	RFO	ST
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H9	51.7	Petroleum Liquids	RFO	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Ben French	SD	3325	ST1	21.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Neil Simpson	WY	4150	5	14.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	1	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	2	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	3	10.1	Conventional Steam Coal	SUB	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	1	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	2	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	3	103.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	4	171.0	Conventional Steam Coal	BIT	ST
2014	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT1	0.5	Petroleum Liquids	JF	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT2	0.4	Petroleum Liquids	JF	IC
2014	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT3	0.3	Petroleum Liquids	JF	IC
2014	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	1	113.0	Conventional Steam Coal	BIT	ST
2014	6	4161	Constellation Power Source Gen	IPP	Riverside	MD	1559	GT6	115.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	1	79.7	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	2	78.0	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	3	149.8	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	4	436.8	Petroleum Liquids	RFO	ST
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	1	141.0	Conventional Steam Coal	BIT	ST
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	2	194.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	1	111.0	Conventional Steam Coal	BIT	ST
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN1	14.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN2	12.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN4	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN5	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN6	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN7	10.0	Other Gases	OG	CA
2014	8	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2014	12	57209	Apogee Technology Inc	Industrial	Apogee Technology Inc	PA	10159	GEN1	0.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Other Natural Gas	NG	ST
2014	12	5956	Entergy Nuclear Vermont Yankee	IPP	Vermont Yankee	VT	3751	1	604.3	Nuclear	NUC	ST
2014	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	3	30.9	Other Natural Gas	NG	ST
2014	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	35.9	Other Natural Gas	NG	ST
2014	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	1	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	2	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	3	98.0	Conventional Steam Coal	BIT	ST
2014	12	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids	DFO	IC
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2014	12	15466	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	60.0	Other Natural Gas	NG	ST
2014	12	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST1	53.0	Other Natural Gas	NG	ST
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2015		58544	Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0	Other Natural Gas	NG	FC
2015	1	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2015	1	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	ST
2015	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	6	318.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	2	94.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	3	128.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	4	150.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	5	238.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	6	414.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	3	509.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	4	507.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	1	43.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	2	79.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	2	103.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	3	111.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	4	133.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	5	135.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	1	46.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	2	46.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	95.0	Conventional Steam Coal	BIT	ST
2015	4	12647	Minnesota Power Inc	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	4	14165	NRG Power Midwest LP	IPP	New Castle Plant	PA	3138	EMDA	2.5	Petroleum Liquids	DFO	IC
2015	4	14165	NRG Power Midwest LP	IPP	New Castle Plant	PA	3138	EMDB	2.5	Petroleum Liquids	DFO	IC
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	1	118.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	2	121.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	3	163.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	4	163.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	1	67.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	2	105.0	Conventional Steam Coal	BIT	ST
2015	5	18963	Inside Passage Elec Coop, Inc	Electric Utility	Hoonah	AK	7463	1	0.6	Petroleum Liquids	DFO	IC
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C2	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C3	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C4	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	1	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	2	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	3	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	4	18.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	5	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	6	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	7	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	8	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT1	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT2	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT3	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT4	46.0	Petroleum Liquids	DFO	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121	46.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	48.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	124	46.6	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	9	21.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	1	58.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	2	55.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	3	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	6	63.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	1	260.0	Conventional Steam Coal	BIT	ST
2015	6	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	6	14006	Ohio Power Co	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergen Generating Station	NJ	2398	3	21.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	47.8	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.4	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.1	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	42.2	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.7	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	91	46.6	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	92	47.3	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	93	46.8	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	94	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	13	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	14	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	23	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	31	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	42.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	42.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	42.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	47.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Linden Generating Station	NJ	2406	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.7	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.1	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	6	107.6	Petroleum Liquids	KER	GT
2015	6	15478	PSEG Nuclear LLC	IPP	PSEG Salem Generating Station	NJ	2410	3	39.7	Petroleum Liquids	DFO	GT
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9	103.8	Conventional Hydroelectric	WAT	HY
2015	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	4	111.0	Conventional Steam Coal	BIT	ST
2015	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	6	111.0	Conventional Steam Coal	BIT	ST
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8	103.8	Conventional Hydroelectric	WAT	HY
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	7	23.2	Other Natural Gas	NG	ST
2015	10	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST2	83.0	Other Natural Gas	NG	ST
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	1	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	2	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	3	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	4	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	5	0.5	Other Waste Biomass	OBG	IC
2015	11	52	ACE Cogeneration Co	Electric CHP	ACE Cogeneration Facility	CA	10002	GEN1	101.2	Conventional Steam Coal	BIT	ST
2015	12	195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	NONO	0.5	Conventional Hydroelectric	WAT	HY
2015	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	76.0	Other Natural Gas	NG	ST
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	3	445.0	Other Natural Gas	NG	ST
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENCI	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	3	79.0	Conventional Steam Coal	SUB	ST
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	4	153.0	Conventional Steam Coal	SUB	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Other Natural Gas	NG	ST

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	12	14795	Perdue Agribusiness	Industrial	Oilseed Plant	VA	10515	GEN1	1.6	Conventional Steam Coal	BIT	ST
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	1	6.6	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	2	7.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	3	20.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	4	46.4	Conventional Steam Coal	BIT	ST
2015	12	57302	Sonoco Products Co	Industrial	Sonoco Products Co	SC	57919	2	2.5	Other Natural Gas	NG	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	3	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	4	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	10	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	5	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	6	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	7	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	8	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	9	141.0	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	3	69.9	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Coal Refining Facility	WI	4054	1	107.4	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Coal Refining Facility	WI	4054	2	105.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	7	38.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2016	3	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2016	3	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	1	100.0	Conventional Steam Coal	BIT	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	2	100.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	1	266.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Other Natural Gas	NG	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2016	4	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	4	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P1	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P2	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P3	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Rio Pinar	FL	637	P1	12.0	Petroleum Liquids	DFO	GT
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	2	39.0	Petroleum Liquids	DFO	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	ST1	39.0	Petroleum Liquids	DFO	ST
2016	6	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	568	4	16.0	Petroleum Liquids	KER	GT
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1	5.0	Conventional Steam Coal	BIT	ST
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	2	5.0	Conventional Steam Coal	BIT	ST
2016	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2016	12	49756	Illinois Power Resources Generating LLC	Electric Utility	E D Edwards	IL	856	1	95.0	Conventional Steam Coal	SUB	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT1	14.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT2	13.7	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT4	14.8	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	24.4	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.1	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC2	1.6	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	12.7	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	76.6	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	25.9	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	2	0.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC1	1.2	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC2	1.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.3	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	78.7	Other Natural Gas	NG	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	47.7	Conventional Steam Coal	SUB	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	50.6	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2017	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6	103.8	Conventional Hydroelectric	WAT	HY
2017	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	45	0.3	Other Natural Gas	NG	FC
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	47	0.3	Other Natural Gas	NG	FC
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	50	0.3	Other Natural Gas	NG	FC
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	51	0.3	Other Natural Gas	NG	FC
2017	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	ST1	106.0	Other Natural Gas	NG	ST
2017	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	4	255.0	Conventional Steam Coal	BIT	ST
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	2	340.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	3	497.0	Conventional Steam Coal	BIT	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	1	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4	107.0	Conventional Steam Coal	SUB	ST
2018	1	17891	City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7	12.0	Petroleum Liquids	DFO	GT
2018	1	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
2018	2	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	30.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Petroleum Liquids	RFO	ST
2018	9	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Other Natural Gas	NG	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	Canadys Steam	SC	3280	2	115.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	Canadys Steam	SC	3280	3	180.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	McMeekin	SC	3287	1	125.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	McMeekin	SC	3287	2	125.0	Conventional Steam Coal	BIT	ST
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	1	2.7	Petroleum Liquids	DFO	IC
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	2	2.7	Petroleum Liquids	DFO	IC
2019	5	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	138.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	2	137.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	1	64.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	2	66.0	Conventional Steam Coal	BIT	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Other Natural Gas	NG	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Other Natural Gas	NG	ST
2019	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	614.5	Nuclear	NUC	ST
2020	1	21622	The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1	3.5	Other Natural Gas	NG	IC
2020	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Other Natural Gas	NG	ST
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	174.0	Other Natural Gas	NG	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	177.0	Other Natural Gas	NG	ST
2020	12	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2020	12	19148	Veolia Energy Trenton L.P	Commercial	Veolia Energy Trenton L.P.	NJ	50094	7214	0.1	Other Natural Gas	NG	IC
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Other Natural Gas	NG	ST
2021	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	BIT	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Other Natural Gas	NG	ST
2031	12	58590	SEDC Jersey Gardens Owner LLC	IPP	Jersey Gardens Phase 1	NJ	58653	1	1.7	Solar Photovoltaic	SUN	PV
2032	2	58591	CF Jersey Gardens Owner Two LLC	IPP	Jersey Gardens Phase 2	NJ	58654	1	2.3	Solar Photovoltaic	SUN	PV

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2008-December 2013

	Coal	Natural Gas				Petroleum		
Period		Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Steam Turbine	Petroleum Liquids Fired Combustion Turbine	Internal Combustion Engine
Annual Factors								
2008	73.4%	40.1%	5.2%	12.4%	4.8%	15.6%	1.5%	2.2%
2009	65.1%	39.8%	4.5%	11.2%	4.8%	14.5%	1.6%	2.3%
2010	67.9%	43.8%	5.2%	11.4%	4.8%	13.5%	1.9%	2.0%
2011	63.7%	43.6%	5.1%	12.4%	7.3%	12.0%	1.2%	2.2%
2012	56.7%	51.1%	6.0%	12.8%	5.5%	12.8%	1.2%	2.0%
2013	59.7%	46.5%	4.1%	10.7%	21.5%	11.7%	0.9%	6.7%
2011								
January	74.2%	39.7%	3.5%	7.8%	6.2%	10.5%	1.1%	2.7%
February	66.4%	38.0%	3.6%	9.8%	6.4%	7.6%	0.8%	2.6%
March	58.5%	34.2%	3.0%	7.5%	5.7%	10.5%	0.7%	2.0%
April	55.7%	35.9%	3.8%	10.8%	6.2%	12.9%	1.6%	1.9%
May	59.5%	36.3%	5.2%	11.2%	5.9%	13.9%	1.3%	1.8%
June	70.6%	45.3%	6.7%	18.0%	7.9%	15.6%	1.7%	2.2%
July	76.3%	56.9%	10.9%	23.6%	10.5%	19.5%	2.7%	2.0%
August	74.0%	58.7%	8.7%	23.8%	9.9%	14.8%	1.7%	1.8%
Sept	62.9%	48.4%	4.9%	13.5%	7.7%	13.9%	1.0%	1.9%
October	54.9%	41.3%	3.2%	9.1%	7.0%	8.7%	0.7%	2.6%
November	54.0%	40.8%	3.7%	7.3%	6.8%	7.5%	0.8%	2.4%
December	57.3%	46.3%	3.5%	6.5%	7.1%	8.0%	0.7%	2.0%
2012								
January	56.9%	48.4%	3.3%	6.2%	5.3%	9.8%	0.6%	2.2%
February	53.8%	51.7%	3.4%	6.9%	5.3%	8.7%	0.5%	1.8%
March	46.5%	46.5%	4.4%	9.6%	5.5%	11.0%	0.8%	2.0%
April	44.1%	46.2%	6.3%	15.3%	6.0%	13.5%	1.0%	2.1%
May	51.5%	51.0%	7.4%	15.2%	5.3%	14.4%	1.5%	2.0%
June	60.1%	57.7%	8.0%	18.0%	6.2%	14.9%	1.5%	1.9%
July	70.6%	64.5%	14.3%	22.3%	6.8%	19.5%	3.0%	2.2%
August	67.2%	63.5%	8.4%	22.5%	6.2%	16.8%	1.9%	2.1%
Sept	57.3%	55.6%	5.8%	13.1%	5.4%	13.7%	1.2%	2.3%
October	53.8%	45.8%	3.5%	9.9%	4.6%	11.9%	0.8%	2.1%
November	58.8%	40.1%	4.0%	8.9%	4.7%	10.6%	0.6%	1.9%
December	58.9%	41.9%	2.9%	6.1%	4.9%	8.6%	0.7%	2.1%
2013								
January	60.8%	44.8%	2.6%	7.2%	14.6%	10.0%	0.4%	5.7%
February	60.7%	45.0%	2.3%	6.6%	16.0%	9.6%	0.3%	4.6%
March	57.4%	42.3%	3.3%	6.7%	21.4%	9.7%	0.2%	5.3%
April	51.4%	38.4%	3.5%	7.6%	25.0%	10.7%	0.7%	8.3%
May	53.1%	39.7%	3.7%	9.7%	19.2%	12.4%	0.8%	5.6%
June	63.7%	49.3%	4.5%	15.1%	25.0%	14.5%	0.9%	5.0%
July	67.9%	56.8%	8.0%	18.6%	29.4%	17.7%	2.3%	8.7%
August	66.4%	58.3%	6.2%	18.0%	32.2%	13.9%	1.1%	9.6%
Sept	61.3%	51.0%	4.9%	14.2%	22.7%	13.3%	1.5%	6.7%
October	54.0%	43.2%	3.2%	8.7%	19.7%	11.6%	0.9%	7.3%
November	56.2%	43.2%	3.2%	7.3%	13.2%	6.8%	0.7%	6.7%
December	63.7%	46.1%	3.5%	8.5%	19.1%	9.8%	0.7%	6.6%

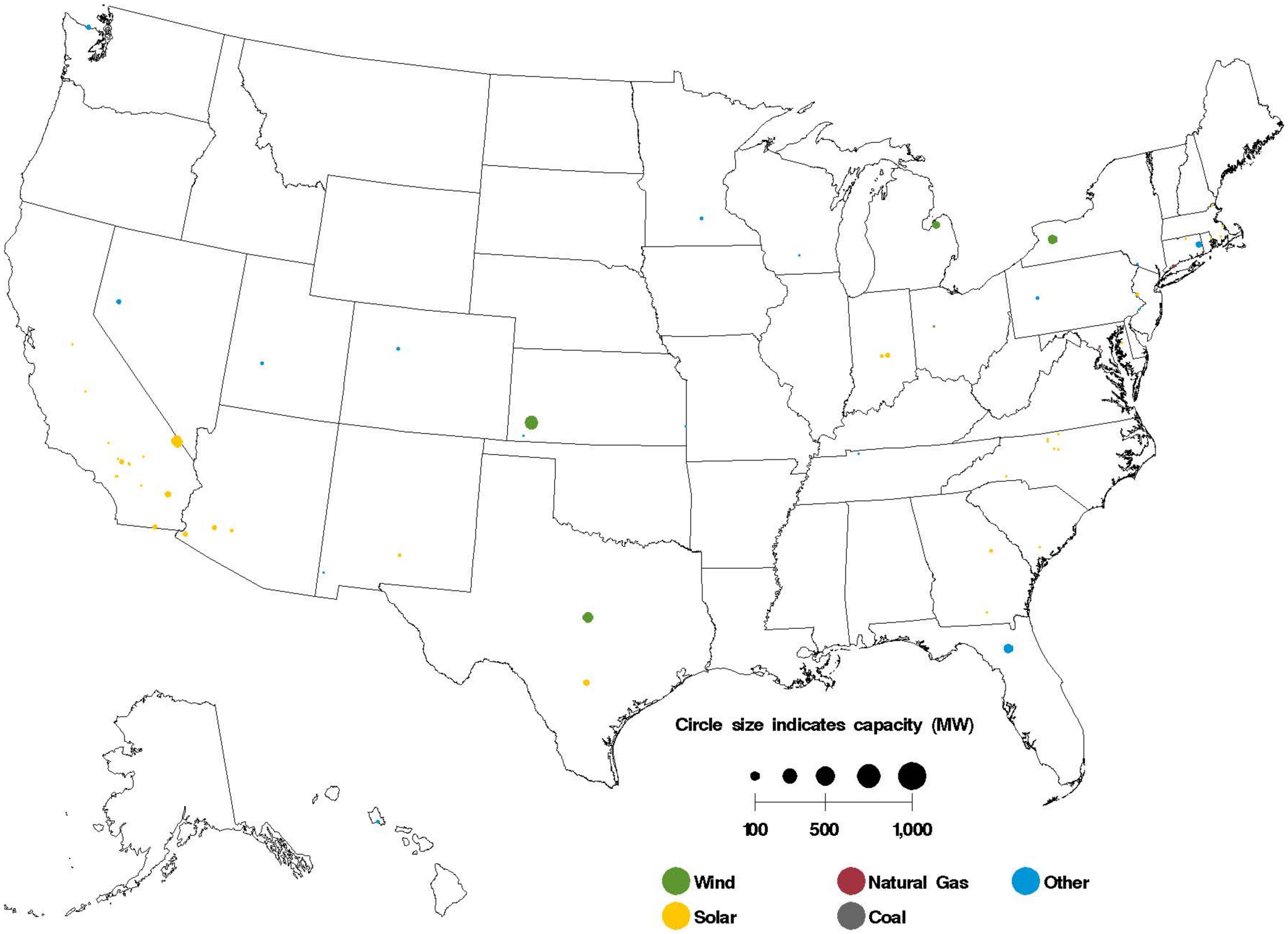
Values for 2012 and prior years are final. Values for 2013 are preliminary.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Table 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2008-December 2013

Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2008	91.1%	37.2%	31.7%	22.5%	19.5%	69.9%	66.5%	74.7%
2009	90.3%	39.6%	28.1%	20.6%	23.6%	70.2%	62.1%	73.3%
2010	91.1%	37.6%	29.8%	20.3%	24.5%	70.8%	57.8%	71.9%
2011	89.1%	45.9%	32.1%	19.1%	23.9%	70.0%	56.3%	71.8%
2012	86.1%	39.6%	31.8%	20.3%	23.8%	68.0%	57.3%	68.2%
2013	90.1%	38.1%	32.3%	19.4%	17.8%	69.6%	50.8%	66.0%
2011								
January	96.6%	43.2%	28.7%	11.4%	2.0%	63.3%	61.4%	74.4%
February	95.3%	45.1%	38.0%	16.8%	17.4%	65.6%	60.9%	74.4%
March	87.2%	52.7%	34.3%	20.4%	16.7%	68.0%	54.1%	73.8%
April	74.9%	54.6%	41.1%	24.7%	25.0%	68.8%	44.8%	70.6%
May	75.7%	55.2%	37.5%	26.5%	27.8%	68.6%	46.0%	72.7%
June	89.5%	56.4%	35.7%	27.7%	42.5%	74.1%	57.9%	69.2%
July	96.0%	53.2%	23.4%	23.3%	37.0%	73.0%	63.6%	70.1%
August	94.6%	43.6%	23.2%	23.8%	39.2%	71.3%	63.5%	70.4%
Sept	91.6%	37.5%	21.9%	21.3%	32.9%	69.7%	57.5%	69.8%
October	84.0%	33.5%	32.5%	18.4%	23.5%	69.2%	51.9%	70.6%
November	88.4%	36.1%	39.1%	12.7%	13.9%	73.7%	53.2%	72.4%
December	95.2%	40.1%	31.1%	11.0%	8.9%	73.8%	60.3%	73.0%
2012								
January	95.8%	39.0%	39.0%	9.3%	2.5%	65.8%	60.1%	67.4%
February	90.3%	36.6%	33.5%	12.1%	15.1%	66.0%	60.1%	68.2%
March	81.7%	43.8%	39.0%	17.3%	24.2%	65.9%	55.1%	66.9%
April	76.4%	46.0%	36.5%	22.2%	31.1%	66.7%	47.5%	67.6%
May	82.1%	48.5%	34.5%	27.1%	32.3%	68.1%	51.7%	67.7%
June	89.0%	46.7%	33.6%	28.2%	43.7%	69.9%	59.8%	67.6%
July	91.3%	45.0%	23.6%	26.3%	39.8%	70.8%	61.6%	67.7%
August	91.8%	38.9%	22.4%	23.1%	35.2%	68.7%	63.2%	66.8%
Sept	88.0%	30.8%	23.8%	22.8%	34.0%	67.7%	59.4%	68.9%
October	78.8%	27.9%	32.6%	20.3%	16.2%	67.3%	54.1%	68.1%
November	77.3%	32.6%	30.0%	16.5%	7.6%	68.7%	57.1%	70.8%
December	90.5%	38.8%	34.1%	15.9%	3.5%	70.7%	57.7%	70.6%
2013								
January	94.2%	41.9%	33.2%	13.1%	2.8%	65.8%	53.1%	69.1%
February	90.5%	37.4%	34.9%	17.1%	12.2%	64.0%	51.8%	68.5%
March	83.6%	34.2%	35.5%	19.0%	18.2%	69.8%	52.2%	69.0%
April	77.7%	43.0%	40.4%	19.3%	22.3%	69.6%	34.4%	66.1%
May	83.4%	47.8%	36.9%	19.9%	23.0%	73.4%	46.9%	64.7%
June	93.2%	47.3%	32.3%	22.1%	30.3%	74.4%	48.9%	65.0%
July	95.8%	45.2%	25.3%	20.5%	27.3%	73.1%	53.1%	66.0%
August	96.9%	36.0%	21.8%	21.2%	30.1%	70.7%	61.0%	64.9%
Sept	92.3%	29.0%	27.5%	22.4%	25.8%	69.1%	54.2%	66.2%
October	85.8%	28.9%	31.2%	22.8%	16.7%	67.3%	48.9%	67.2%
November	91.2%	30.7%	37.1%	18.4%	9.0%	68.3%	52.8%	61.1%
December	96.7%	35.2%	31.6%	16.6%	6.3%	69.9%	51.5%	65.0%

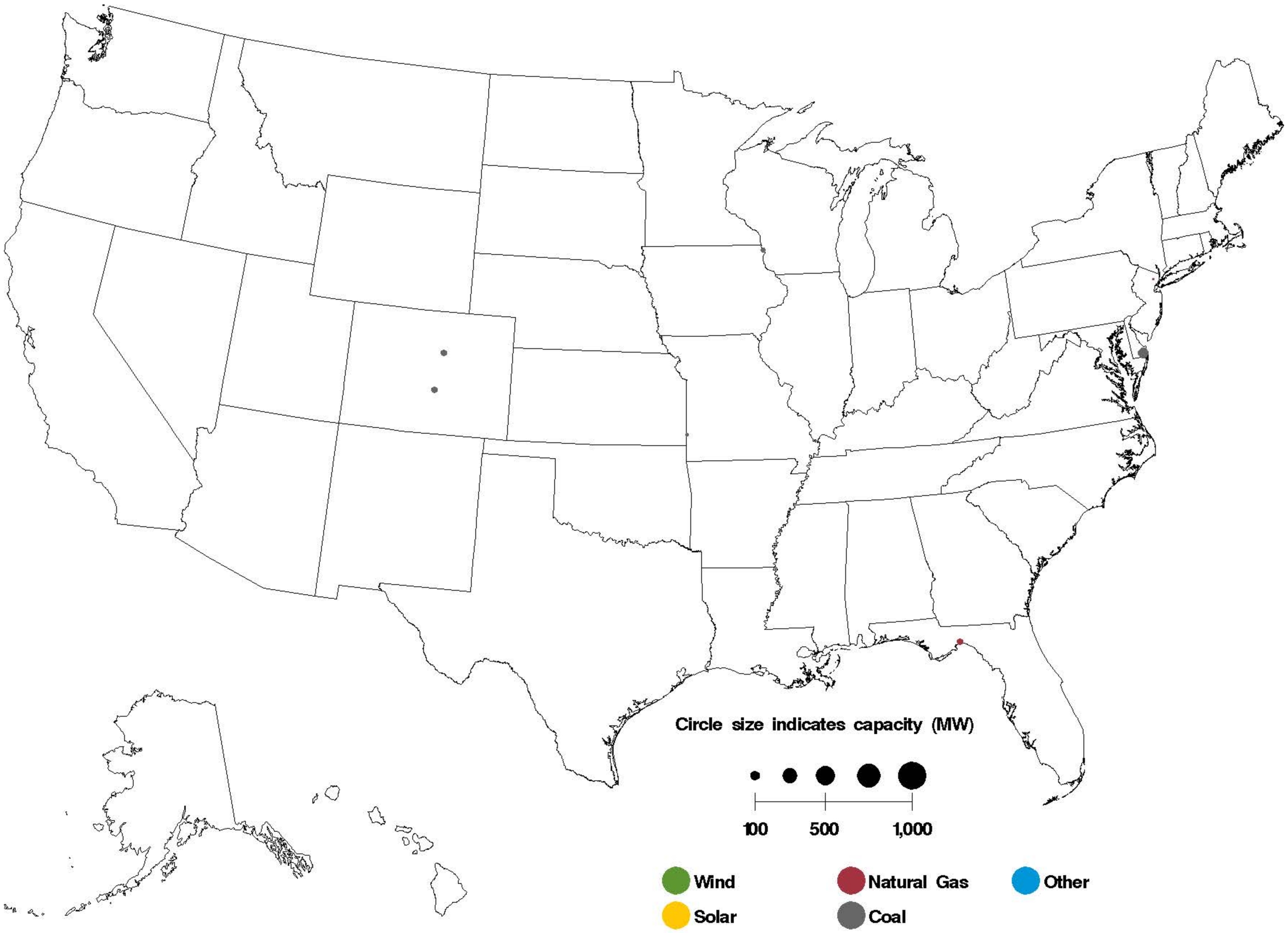
Values for 2012 and prior years are final. Values for 2013 are preliminary.
Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility Scale Generating Units Added in December 2013



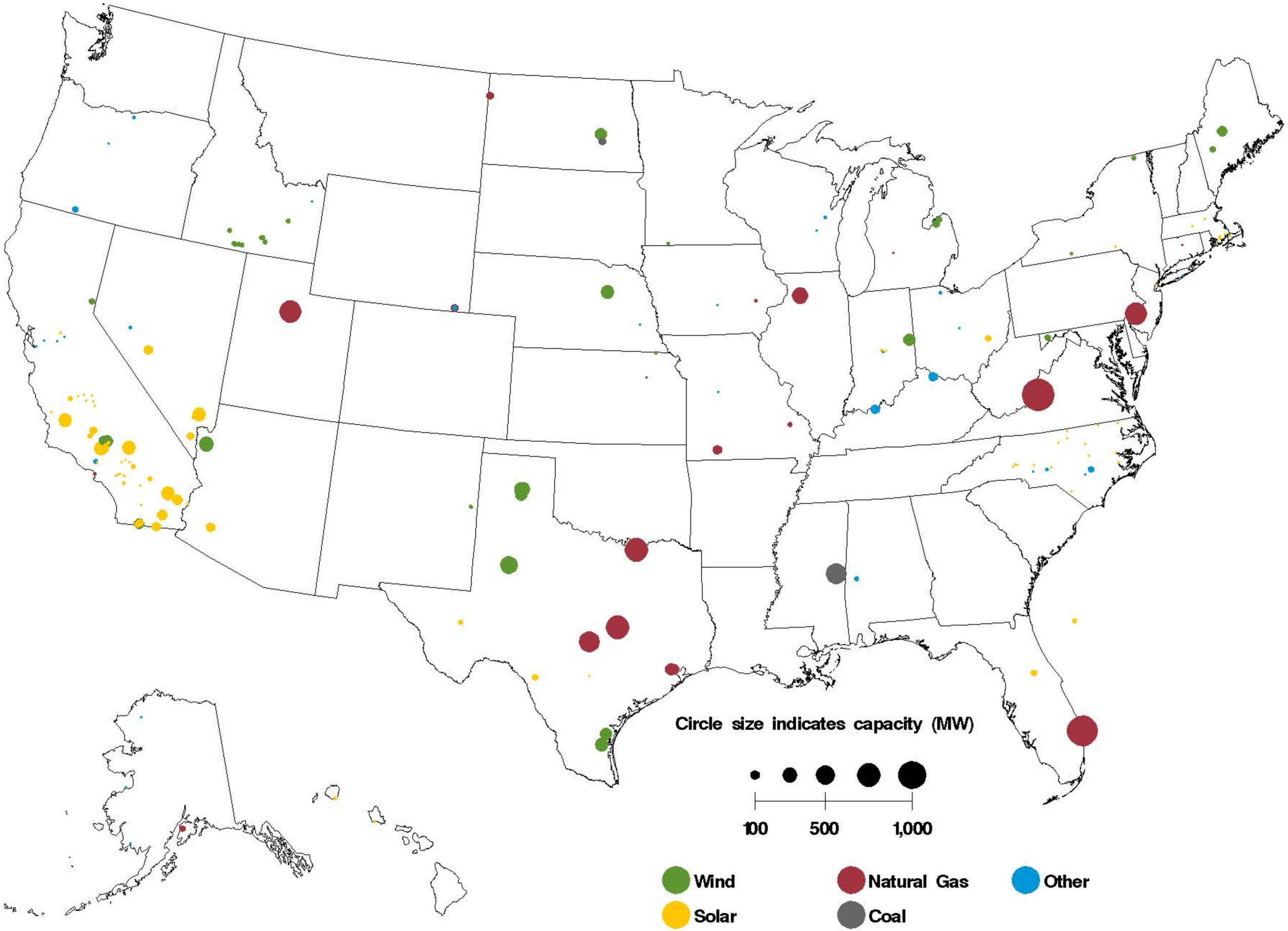
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in December 2013



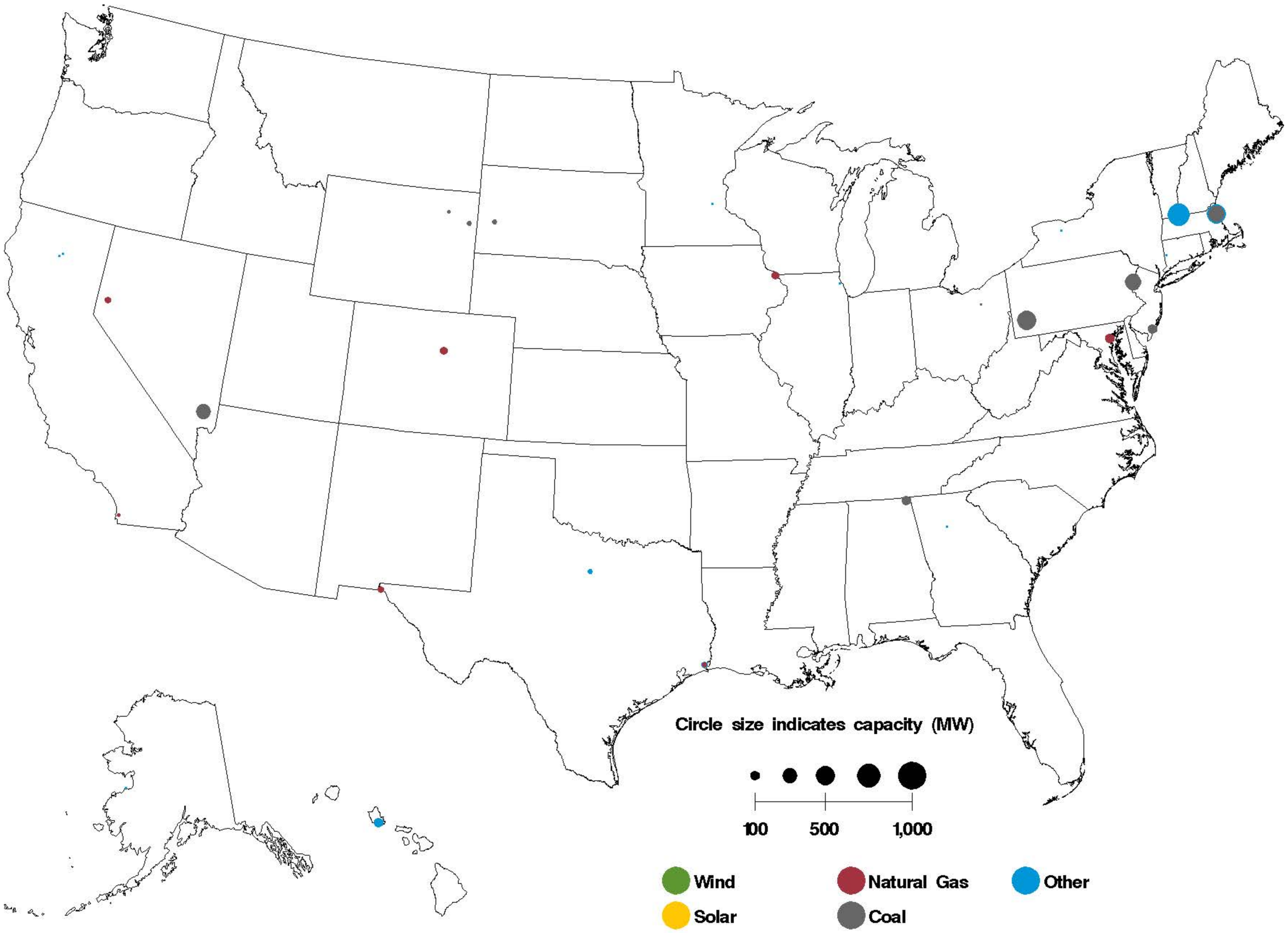
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from January 2014 to December 2014



Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.D. Utility Scale Generating Units Planned to Retire from January 2014 to December 2014



Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**21**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	13	0	3	0	0	50
Maine	0	16	0	5	0	0	14
Massachusetts	5	47	0	6	0	0	27
New Hampshire	0	37	0	2	0	0	19
Rhode Island	0	104	0	3	0	0	431
Vermont	0	580	0	0	0	0	27
Middle Atlantic	**1**	**57**	**36**	**2**	**18**	**0**	**3**
New Jersey	0	85	84	4	61	0	214
New York	3	96	0	3	0	0	3
Pennsylvania	1	59	39	2	14	0	10
East North Central	**0**	**16**	**1**	**3**	**11**	**0**	**16**
Illinois	0	19	0	8	47	0	76
Indiana	0	45	0	4	12	0	45
Michigan	2	10	5	10	0	0	28
Ohio	1	27	1	2	28	0	57
Wisconsin	1	64	0	9	0	0	25
West North Central	**1**	**15**	**0**	**7**	**121**	**0**	**6**
Iowa	2	28	0	30	0	0	36
Kansas	0	2	0	21	0	0	271
Minnesota	3	36	0	8	0	0	45
Missouri	1	58	0	9	0	0	18
Nebraska	2	12	0	73	0	0	28
North Dakota	3	34	0	554	121	0	0
South Dakota	8	104	0	23	0	0	1
South Atlantic	**0**	**13**	**0**	**0**	**0**	**0**	**5**
Delaware	2	43	0	0	0	0	0
District of Columbia	0	0	0	172	0	0	0
Florida	0	11	0	1	0	0	72
Georgia	0	30	0	1	0	0	10
Maryland	0	40	0	10	0	0	3
North Carolina	1	19	0	0	0	0	6
South Carolina	0	5	0	2	0	0	14
Virginia	2	22	0	0	0	0	23
West Virginia	0	0	0	26	0	0	14
East South Central	**1**	**17**	**0**	**1**	**76**	**0**	**3**
Alabama	0	68	0	1	94	0	3
Kentucky	1	37	0	24	0	0	6
Mississippi	0	4	0	0	0	0	0
Tennessee	0	14	0	5	0	0	6
West South Central	**0**	**10**	**3**	**0**	**3**	**0**	**9**
Arkansas	0	0	0	1	0	0	12
Louisiana	0	0	3	1	4	0	0
Oklahoma	1	4	0	0	0	0	18
Texas	0	17	14	0	5	0	29
Mountain	**1**	**15**	**0**	**1**	**9**	**0**	**3**
Arizona	0	14	0	1	0	0	2
Colorado	1	182	0	2	0	0	20
Idaho	57	692	0	6	0	0	8
Montana	7	81	0	108	0	0	5
Nevada	0	1	0	1	0	0	3
New Mexico	0	21	0	4	0	0	66
Utah	2	50	0	5	335	0	36
Wyoming	2	18	0	50	8	0	23
Pacific Contiguous	**1**	**877**	**185**	**1**	**7**	**0**	**1**
California	30	1,003	185	1	9	0	6
Oregon	0	0	0	2	0	0	2
Washington	0	366	0	4	0	0	1
Pacific Noncontiguous	**5**	**30**	**0**	**14**	**100**	**0**	**15**
Alaska	13	9	0	14	528	0	15
Hawaii	4	34	0	0	99	0	99
U.S. Total	**0**	**19**	**1**	**0**	**5**	**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, December 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**	**49**	**2**	**0**	**6**	**1**
Connecticut	0	0	0	204	5	0	9	1
Maine	0	0	0	0	2	0	14	4
Massachusetts	0	0	0	56	4	0	7	4
New Hampshire	0	0	0	0	9	0	48	2
Rhode Island	0	0	0	206	22	0	0	4
Vermont	0	0	0	149	8	0	0	5
Middle Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**4**	**1**
New Jersey	0	0	0	23	7	0	8	1
New York	0	0	0	37	2	0	7	1
Pennsylvania	0	0	0	56	3	0	6	1
East North Central	**0**	**0**	**0**	**40**	**1**	**0**	**7**	**0**
Illinois	0	0	0	76	1	0	21	0
Indiana	0	0	0	68	1	0	3	0
Michigan	0	0	0	0	3	0	13	1
Ohio	0	0	0	62	3	0	0	0
Wisconsin	0	0	0	0	4	0	37	1
West North Central	**0**	**0**	**0**	**349**	**1**	**0**	**13**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	349	2	0	14	2
Missouri	0	0	0	0	2	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	56	3
South Dakota	0	0	0	0	0	0	0	4
South Atlantic	**0**	**0**	**0**	**18**	**2**	**0**	**3**	**0**
Delaware	0	0	0	77	32	0	0	1
District of Columbia	0	0	0	0	0	0	0	172
Florida	0	0	0	21	4	0	4	0
Georgia	0	0	0	46	4	0	5	0
Maryland	0	0	0	58	5	0	1	1
North Carolina	0	0	0	25	6	0	28	1
South Carolina	0	0	0	288	2	0	0	0
Virginia	0	0	0	0	2	0	5	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**108**	**4**	**0**	**44**	**0**
Alabama	0	0	0	0	5	0	0	1
Kentucky	0	0	0	0	5	0	0	1
Mississippi	0	0	0	0	5	0	580	0
Tennessee	0	0	0	108	10	0	0	1
West South Central	**0**	**0**	**0**	**37**	**1**	**0**	**7**	**0**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	6	0	5	0
Oklahoma	0	0	0	0	1	0	71	1
Texas	0	0	0	37	1	0	18	0
Mountain	**0**	**4**	**0**	**5**	**1**	**0**	**5**	**1**
Arizona	0	0	0	5	4	0	0	0
Colorado	0	0	0	22	1	0	44	1
Idaho	0	19	0	0	6	0	0	4
Montana	0	0	0	0	2	0	0	5
Nevada	0	4	0	8	4	0	62	1
New Mexico	0	205	0	26	3	0	0	1
Utah	0	3	0	399	4	0	5	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**4**	**1**	**0**	**9**	**1**
California	0	2	0	4	1	0	8	1
Oregon	0	0	0	127	2	0	59	1
Washington	0	0	0	0	1	0	27	1
Pacific Noncontiguous	**0**	**0**	**0**	**115**	**9**	**0**	**0**	**14**
Alaska	0	0	0	0	40	0	0	8
Hawaii	0	0	0	115	8	0	0	23
U.S. Total	**0**	**2**	**0**	**4**	**0**	**0**	**3**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**21**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	13	0	3	0	0	50
Maine	0	16	0	5	0	0	14
Massachusetts	5	47	0	6	0	0	27
New Hampshire	0	37	0	2	0	0	19
Rhode Island	0	104	0	3	0	0	431
Vermont	0	580	0	0	0	0	27
Middle Atlantic	**1**	**57**	**36**	**2**	**18**	**0**	**3**
New Jersey	0	85	84	4	61	0	214
New York	3	96	0	3	0	0	3
Pennsylvania	1	59	39	2	14	0	10
East North Central	**0**	**16**	**1**	**3**	**11**	**0**	**16**
Illinois	0	19	0	8	47	0	76
Indiana	0	45	0	4	12	0	45
Michigan	2	10	5	10	0	0	28
Ohio	1	27	1	2	28	0	57
Wisconsin	1	64	0	9	0	0	25
West North Central	**1**	**15**	**0**	**7**	**121**	**0**	**6**
Iowa	2	28	0	30	0	0	36
Kansas	0	2	0	21	0	0	271
Minnesota	3	36	0	8	0	0	45
Missouri	1	58	0	9	0	0	18
Nebraska	2	12	0	73	0	0	28
North Dakota	3	34	0	554	121	0	0
South Dakota	8	104	0	23	0	0	1
South Atlantic	**0**	**13**	**0**	**0**	**0**	**0**	**5**
Delaware	2	43	0	0	0	0	0
District of Columbia	0	0	0	172	0	0	0
Florida	0	11	0	1	0	0	72
Georgia	0	30	0	1	0	0	10
Maryland	0	40	0	10	0	0	3
North Carolina	1	19	0	0	0	0	6
South Carolina	0	5	0	2	0	0	14
Virginia	2	22	0	0	0	0	23
West Virginia	0	0	0	26	0	0	14
East South Central	**1**	**17**	**0**	**1**	**76**	**0**	**3**
Alabama	0	68	0	1	94	0	3
Kentucky	1	37	0	24	0	0	6
Mississippi	0	4	0	0	0	0	0
Tennessee	0	14	0	5	0	0	6
West South Central	**0**	**10**	**3**	**0**	**3**	**0**	**9**
Arkansas	0	0	0	1	0	0	12
Louisiana	0	0	3	1	4	0	0
Oklahoma	1	4	0	0	0	0	18
Texas	0	17	14	0	5	0	29
Mountain	**1**	**15**	**0**	**1**	**9**	**0**	**3**
Arizona	0	14	0	1	0	0	2
Colorado	1	182	0	2	0	0	20
Idaho	57	692	0	6	0	0	8
Montana	7	81	0	108	0	0	5
Nevada	0	1	0	1	0	0	3
New Mexico	0	21	0	4	0	0	66
Utah	2	50	0	5	335	0	36
Wyoming	2	18	0	50	8	0	23
Pacific Contiguous	**1**	**877**	**185**	**1**	**7**	**0**	**1**
California	30	1,003	185	1	9	0	6
Oregon	0	0	0	2	0	0	2
Washington	0	366	0	4	0	0	1
Pacific Noncontiguous	**5**	**30**	**0**	**14**	**100**	**0**	**15**
Alaska	13	9	0	14	528	0	15
Hawaii	4	34	0	0	99	0	99
U.S. Total	**0**	**19**	**1**	**0**	**5**	**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 December 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**	**49**	**2**	**0**	**6**	**1**
Connecticut	0	0	0	204	5	0	9	1
Maine	0	0	0	0	2	0	14	4
Massachusetts	0	0	0	56	4	0	7	4
New Hampshire	0	0	0	0	9	0	48	2
Rhode Island	0	0	0	206	22	0	0	4
Vermont	0	0	0	149	8	0	0	5
Middle Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**4**	**1**
New Jersey	0	0	0	23	7	0	8	1
New York	0	0	0	37	2	0	7	1
Pennsylvania	0	0	0	56	3	0	6	1
East North Central	**0**	**0**	**0**	**40**	**1**	**0**	**7**	**0**
Illinois	0	0	0	76	1	0	21	0
Indiana	0	0	0	68	1	0	3	0
Michigan	0	0	0	0	3	0	13	1
Ohio	0	0	0	62	3	0	0	0
Wisconsin	0	0	0	0	4	0	37	1
West North Central	**0**	**0**	**0**	**349**	**1**	**0**	**13**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	349	2	0	14	2
Missouri	0	0	0	0	2	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	56	3
South Dakota	0	0	0	0	0	0	0	4
South Atlantic	**0**	**0**	**0**	**18**	**2**	**0**	**3**	**0**
Delaware	0	0	0	77	32	0	0	1
District of Columbia	0	0	0	0	0	0	0	172
Florida	0	0	0	21	4	0	4	0
Georgia	0	0	0	46	4	0	5	0
Maryland	0	0	0	58	5	0	1	1
North Carolina	0	0	0	25	6	0	28	1
South Carolina	0	0	0	288	2	0	0	0
Virginia	0	0	0	0	2	0	5	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**108**	**4**	**0**	**44**	**0**
Alabama	0	0	0	0	5	0	0	1
Kentucky	0	0	0	0	5	0	0	1
Mississippi	0	0	0	0	5	0	580	0
Tennessee	0	0	0	108	10	0	0	1
West South Central	**0**	**0**	**0**	**37**	**1**	**0**	**7**	**0**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	6	0	5	0
Oklahoma	0	0	0	0	1	0	71	1
Texas	0	0	0	37	1	0	18	0
Mountain	**0**	**4**	**0**	**5**	**1**	**0**	**5**	**1**
Arizona	0	0	0	5	4	0	0	0
Colorado	0	0	0	22	1	0	44	1
Idaho	0	19	0	0	6	0	0	4
Montana	0	0	0	0	2	0	0	5
Nevada	0	4	0	8	4	0	62	1
New Mexico	0	205	0	26	3	0	0	1
Utah	0	3	0	399	4	0	5	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**4**	**1**	**0**	**9**	**1**
California	0	2	0	4	1	0	8	1
Oregon	0	0	0	127	2	0	59	1
Washington	0	0	0	0	1	0	27	1
Pacific Noncontiguous	**0**	**0**	**0**	**115**	**9**	**0**	**0**	**14**
Alaska	0	0	0	0	40	0	0	8
Hawaii	0	0	0	115	8	0	0	23
U.S. Total	**0**	**2**	**0**	**4**	**0**	**0**	**3**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**6**	**0**	**0**	**0**	**0**	**28**
Connecticut	0	87	0	0	0	0	174
Maine	0	211	0	0	0	0	0
Massachusetts	0	3	0	0	0	0	58
New Hampshire	0	5	0	0	0	0	31
Rhode Island	0	0	0	0	0	0	0
Vermont	0	228	0	0	0	0	45
Middle Atlantic	**465**	**25**	**0**	**10**	**0**	**0**	**1**
New Jersey	0	338	0	0	0	0	0
New York	465	25	0	10	0	0	1
Pennsylvania	0	192	0	0	0	0	7
East North Central	**0**	**13**	**0**	**4**	**0**	**0**	**18**
Illinois	0	30	0	4	0	0	130
Indiana	0	34	0	3	0	0	45
Michigan	2	10	0	23	0	0	30
Ohio	1	25	0	1	0	0	57
Wisconsin	1	64	0	17	0	0	27
West North Central	**1**	**15**	**0**	**7**	**0**	**0**	**6**
Iowa	2	28	0	29	0	0	36
Kansas	0	2	0	21	0	0	0
Minnesota	3	28	0	8	0	0	66
Missouri	1	58	0	9	0	0	18
Nebraska	2	12	0	70	0	0	28
North Dakota	3	34	0	6,081	0	0	0
South Dakota	8	109	0	23	0	0	1
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**6**
Delaware	0	0	0	0	0	0	0
Florida	0	5	0	0	0	0	72
Georgia	0	1	0	0	0	0	10
Maryland	0	93	0	0	0	0	0
North Carolina	0	13	0	1	0	0	7
South Carolina	0	7	0	0	0	0	14
Virginia	0	2	0	0	0	0	23
West Virginia	0	0	0	0	0	0	43
East South Central	**1**	**13**	**0**	**1**	**0**	**0**	**3**
Alabama	0	0	0	4	0	0	3
Kentucky	1	37	0	0	0	0	6
Mississippi	0	5	0	0	0	0	0
Tennessee	0	0	0	0	0	0	6
West South Central	**0**	**1**	**0**	**1**	**0**	**0**	**11**
Arkansas	0	0	0	2	0	0	12
Louisiana	0	3	0	1	0	0	0
Oklahoma	0	4	0	0	0	0	18
Texas	0	1	0	1	0	0	29
Mountain	**1**	**15**	**0**	**2**	**0**	**0**	**3**
Arizona	0	14	0	1	0	0	2
Colorado	1	182	0	3	0	0	18
Idaho	0	692	0	7	0	0	8
Montana	119	9,571	0	112	0	0	5
Nevada	0	1	0	0	0	0	1
New Mexico	0	19	0	7	0	0	66
Utah	2	24	0	2	0	0	36
Wyoming	2	10	0	280	0	0	22
Pacific Contiguous	**0**	**214**	**0**	**2**	**0**	**0**	**1**
California	0	21	0	3	0	0	5
Oregon	0	0	0	1	0	0	2
Washington	0	4,131	0	4	0	0	1
Pacific Noncontiguous	**0**	**3**	**0**	**13**	**0**	**0**	**15**
Alaska	0	9	0	13	0	0	15
Hawaii	0	3	0	0	0	0	187
U.S. Total	**0**	**3**	**0**	**1**	**0**	**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, December 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**	**105**	**3**	**0**	**0**	**6**
Connecticut	0	0	0	0	0	0	0	105
Maine	0	0	0	0	0	0	0	211
Massachusetts	0	0	0	105	48	0	0	32
New Hampshire	0	0	0	0	0	0	0	2
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	22
Middle Atlantic	**0**	**0**	**0**	**52**	**52**	**0**	**0**	**4**
New Jersey	0	0	0	52	52	0	0	4
New York	0	0	0	0	0	0	0	4
Pennsylvania	0	0	0	0	0	0	0	7
East North Central	**0**	**0**	**0**	**167**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	105	0	0	1
Indiana	0	0	0	0	12	0	0	0
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	167	69	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**12**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	27	0	0	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	56	3
South Dakota	0	0	0	0	2	0	0	5
South Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**0**	**0**
Delaware	0	0	0	228	228	0	0	228
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	194	194	0	0	106
North Carolina	0	0	0	107	107	0	0	0
South Carolina	0	0	0	0	4	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**	**18**	**0**	**0**	**0**
Alabama	0	0	0	0	183	0	0	1
Kentucky	0	0	0	0	18	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	1
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	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**34**	**2**	**0**	**62**	**1**
Arizona	0	0	0	41	36	0	0	0
Colorado	0	0	0	0	8	0	0	1
Idaho	0	0	0	0	0	0	0	6
Montana	0	0	0	0	0	0	0	11
Nevada	0	0	0	0	0	0	62	0
New Mexico	0	0	0	57	57	0	0	2
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**31**	**1**	**0**	**0**	**1**
California	0	0	0	31	4	0	0	2
Oregon	0	0	0	237	2	0	0	1
Washington	0	0	0	0	0	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**5**
Alaska	0	0	0	0	49	0	0	9
Hawaii	0	0	0	0	0	0	0	3
U.S. Total	**0**	**0**	**0**	**18**	**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.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, Year-to-Date through December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**6**	**0**	**0**	**0**	**0**	**28**
Connecticut	0	87	0	0	0	0	174
Maine	0	211	0	0	0	0	0
Massachusetts	0	3	0	0	0	0	58
New Hampshire	0	5	0	0	0	0	31
Rhode Island	0	0	0	0	0	0	0
Vermont	0	228	0	0	0	0	45
Middle Atlantic	**465**	**25**	**0**	**10**	**0**	**0**	**1**
New Jersey	0	338	0	0	0	0	0
New York	465	25	0	10	0	0	1
Pennsylvania	0	192	0	0	0	0	7
East North Central	**0**	**13**	**0**	**4**	**0**	**0**	**18**
Illinois	0	30	0	4	0	0	130
Indiana	0	34	0	3	0	0	45
Michigan	2	10	0	23	0	0	30
Ohio	1	25	0	1	0	0	57
Wisconsin	1	64	0	17	0	0	27
West North Central	**1**	**15**	**0**	**7**	**0**	**0**	**6**
Iowa	2	28	0	29	0	0	36
Kansas	0	2	0	21	0	0	0
Minnesota	3	28	0	8	0	0	66
Missouri	1	58	0	9	0	0	18
Nebraska	2	12	0	70	0	0	28
North Dakota	3	34	0	6,081	0	0	0
South Dakota	8	109	0	23	0	0	1
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**6**
Delaware	0	0	0	0	0	0	0
Florida	0	5	0	0	0	0	72
Georgia	0	1	0	0	0	0	10
Maryland	0	93	0	0	0	0	0
North Carolina	0	13	0	1	0	0	7
South Carolina	0	7	0	0	0	0	14
Virginia	0	2	0	0	0	0	23
West Virginia	0	0	0	0	0	0	43
East South Central	**1**	**13**	**0**	**1**	**0**	**0**	**3**
Alabama	0	0	0	4	0	0	3
Kentucky	1	37	0	0	0	0	6
Mississippi	0	5	0	0	0	0	0
Tennessee	0	0	0	0	0	0	6
West South Central	**0**	**1**	**0**	**1**	**0**	**0**	**11**
Arkansas	0	0	0	2	0	0	12
Louisiana	0	3	0	1	0	0	0
Oklahoma	0	4	0	0	0	0	18
Texas	0	1	0	1	0	0	29
Mountain	**1**	**15**	**0**	**2**	**0**	**0**	**3**
Arizona	0	14	0	1	0	0	2
Colorado	1	182	0	3	0	0	18
Idaho	0	692	0	7	0	0	8
Montana	119	9,571	0	112	0	0	5
Nevada	0	1	0	0	0	0	1
New Mexico	0	19	0	7	0	0	66
Utah	2	24	0	2	0	0	36
Wyoming	2	10	0	280	0	0	22
Pacific Contiguous	**0**	**214**	**0**	**2**	**0**	**0**	**1**
California	0	21	0	3	0	0	5
Oregon	0	0	0	1	0	0	2
Washington	0	4,131	0	4	0	0	1
Pacific Noncontiguous	**0**	**3**	**0**	**13**	**0**	**0**	**15**
Alaska	0	9	0	13	0	0	15
Hawaii	0	3	0	0	0	0	187
U.S. Total	**0**	**3**	**0**	**1**	**0**	**0**	**1**

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Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, Year-to-Date through December 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**	**105**	**3**	**0**	**0**	**6**
Connecticut	0	0	0	0	0	0	0	105
Maine	0	0	0	0	0	0	0	211
Massachusetts	0	0	0	105	48	0	0	32
New Hampshire	0	0	0	0	0	0	0	2
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	22
Middle Atlantic	**0**	**0**	**0**	**52**	**52**	**0**	**0**	**4**
New Jersey	0	0	0	52	52	0	0	4
New York	0	0	0	0	0	0	0	4
Pennsylvania	0	0	0	0	0	0	0	7
East North Central	**0**	**0**	**0**	**167**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	105	0	0	1
Indiana	0	0	0	0	12	0	0	0
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	167	69	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**12**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	27	0	0	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	56	3
South Dakota	0	0	0	0	2	0	0	5
South Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**0**	**0**
Delaware	0	0	0	228	228	0	0	228
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	194	194	0	0	106
North Carolina	0	0	0	107	107	0	0	0
South Carolina	0	0	0	0	4	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**	**18**	**0**	**0**	**0**
Alabama	0	0	0	0	183	0	0	1
Kentucky	0	0	0	0	18	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	1
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	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**34**	**2**	**0**	**62**	**1**
Arizona	0	0	0	41	36	0	0	0
Colorado	0	0	0	0	8	0	0	1
Idaho	0	0	0	0	0	0	0	6
Montana	0	0	0	0	0	0	0	11
Nevada	0	0	0	0	0	0	62	0
New Mexico	0	0	0	57	57	0	0	2
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**31**	**1**	**0**	**0**	**1**
California	0	0	0	31	4	0	0	2
Oregon	0	0	0	237	2	0	0	1
Washington	0	0	0	0	0	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**5**
Alaska	0	0	0	0	49	0	0	9
Hawaii	0	0	0	0	0	0	0	3
U.S. Total	**0**	**0**	**0**	**18**	**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.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**21**	**0**	**2**	**0**	**0**	**11**
Connecticut	0	12	0	1	0	0	53
Maine	0	1	0	0	0	0	15
Massachusetts	5	53	0	7	0	0	29
New Hampshire	0	13	0	0	0	0	22
Rhode Island	0	0	0	0	0	0	431
Vermont	0	0	0	0	0	0	34
Middle Atlantic	**1**	**44**	**0**	**1**	**0**	**0**	**11**
New Jersey	0	57	0	3	0	0	214
New York	1	62	0	3	0	0	14
Pennsylvania	1	58	0	1	0	0	16
East North Central	**0**	**64**	**0**	**3**	**16**	**0**	**58**
Illinois	0	0	0	7	0	0	83
Indiana	0	735,948	0	12	0	0	0
Michigan	45	0	0	10	0	0	102
Ohio	0	6	0	1	45	0	0
Wisconsin	0	599	0	0	0	0	118
West North Central	**0**	**5**	**0**	**15**	**0**	**0**	**85**
Iowa	0	71	0	3,740	0	0	419
Kansas	0	0	0	0	0	0	271
Minnesota	0	2	0	16	0	0	80
Missouri	0	0	0	37	0	0	0
South Dakota	0	117	0	0	0	0	0
South Atlantic	**1**	**19**	**0**	**1**	**0**	**0**	**6**
Delaware	2	43	0	0	0	0	0
Florida	0	3,221	0	8	0	0	0
Georgia	0	1,279	0	5	0	0	311
Maryland	0	20	0	8	0	0	3
North Carolina	30	582	0	0	0	0	168
South Carolina	0	0	0	28	0	0	121
Virginia	33	8	0	0	0	0	115
West Virginia	0	0	0	0	0	0	10
East South Central	**0**	**99**	**0**	**0**	**0**	**0**	**322**
Alabama	0	99	0	0	0	0	0
Kentucky	0	0	0	0	0	0	322
Mississippi	0	0	0	3	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**11**
Arkansas	0	0	0	0	0	0	133
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	153
Mountain	**7**	**99**	**0**	**1**	**0**	**0**	**11**
Arizona	0	0	0	0	0	0	0
Colorado	100	0	0	3	0	0	90
Idaho	0	0	0	9	0	0	43
Montana	7	46	0	388	0	0	10
Nevada	0	0	0	4	0	0	129
New Mexico	0	2,163	0	3	0	0	0
Utah	96	370	0	36	0	0	345
Wyoming	77	0	0	465	0	0	309
Pacific Contiguous	**1**	**18**	**185**	**1**	**0**	**0**	**24**
California	93	25	185	1	0	0	36
Oregon	0	0	0	2	0	0	46
Washington	0	15	0	0	0	0	47
Pacific Noncontiguous	**5**	**145**	**0**	**0**	**0**	**0**	**0**
Alaska	38	0	0	0	0	0	0
Hawaii	0	145	0	0	0	0	0
U.S. Total	**0**	**39**	**1**	**0**	**5**	**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, December 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**	**53**	**3**	**0**	**6**	**1**
Connecticut	0	0	0	204	5	0	9	1
Maine	0	0	0	0	1	0	14	5
Massachusetts	0	0	0	61	6	0	7	4
New Hampshire	0	0	0	0	11	0	48	2
Rhode Island	0	0	0	206	22	0	0	1
Vermont	0	0	0	149	22	0	0	5
Middle Atlantic	**0**	**0**	**0**	**23**	**2**	**0**	**5**	**1**
New Jersey	0	0	0	27	8	0	11	1
New York	0	0	0	37	1	0	7	1
Pennsylvania	0	0	0	64	3	0	6	1
East North Central	**0**	**0**	**0**	**42**	**1**	**0**	**24**	**0**
Illinois	0	0	0	76	1	0	0	0
Indiana	0	0	0	68	1	0	0	2
Michigan	0	0	0	0	3	0	24	4
Ohio	0	0	0	64	2	0	0	0
Wisconsin	0	0	0	0	8	0	0	1
West North Central	**0**	**0**	**0**	**349**	**1**	**0**	**32**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	349	2	0	32	3
Missouri	0	0	0	0	2	0	0	7
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**	**21**	**2**	**0**	**4**	**1**
Delaware	0	0	0	81	31	0	0	1
Florida	0	0	0	62	3	0	6	4
Georgia	0	0	0	45	9	0	0	5
Maryland	0	0	0	61	4	0	0	1
North Carolina	0	0	0	28	9	0	27	4
South Carolina	0	0	0	288	56	0	0	28
Virginia	0	0	0	0	4	0	0	3
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**123**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	54
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	123	23	0	0	23
West South Central	**0**	**0**	**0**	**37**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	43	0	0	1
Louisiana	0	0	0	0	23	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	37	0	0	0	0
Mountain	**0**	**4**	**0**	**4**	**1**	**0**	**4**	**2**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	20	1	0	88	2
Idaho	0	19	0	0	7	0	0	6
Montana	0	0	0	0	2	0	0	5
Nevada	0	4	0	8	4	0	0	2
New Mexico	0	205	0	28	3	0	0	2
Utah	0	7	0	399	6	0	154	27
Wyoming	0	0	0	0	2	0	0	13
Pacific Contiguous	**0**	**2**	**0**	**3**	**1**	**0**	**17**	**1**
California	0	2	0	3	1	0	13	1
Oregon	0	0	0	149	2	0	59	1
Washington	0	0	0	0	1	0	44	1
Pacific Noncontiguous	**0**	**0**	**0**	**115**	**10**	**0**	**0**	**54**
Alaska	0	0	0	0	68	0	0	33
Hawaii	0	0	0	115	9	0	0	58
U.S. Total	**0**	**2**	**0**	**3**	**0**	**0**	**3**	**0**

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

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, Year-to-Date through December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**21**	**0**	**2**	**0**	**0**	**11**
Connecticut	0	12	0	1	0	0	53
Maine	0	1	0	0	0	0	15
Massachusetts	5	53	0	7	0	0	29
New Hampshire	0	13	0	0	0	0	22
Rhode Island	0	0	0	0	0	0	431
Vermont	0	0	0	0	0	0	34
Middle Atlantic	**1**	**44**	**0**	**1**	**0**	**0**	**11**
New Jersey	0	57	0	3	0	0	214
New York	1	62	0	3	0	0	14
Pennsylvania	1	58	0	1	0	0	16
East North Central	**0**	**64**	**0**	**3**	**16**	**0**	**58**
Illinois	0	0	0	7	0	0	83
Indiana	0	735,948	0	12	0	0	0
Michigan	45	0	0	10	0	0	102
Ohio	0	6	0	1	45	0	0
Wisconsin	0	599	0	0	0	0	118
West North Central	**0**	**5**	**0**	**15**	**0**	**0**	**85**
Iowa	0	71	0	3,740	0	0	419
Kansas	0	0	0	0	0	0	271
Minnesota	0	2	0	16	0	0	80
Missouri	0	0	0	37	0	0	0
South Dakota	0	117	0	0	0	0	0
South Atlantic	**1**	**19**	**0**	**1**	**0**	**0**	**6**
Delaware	2	43	0	0	0	0	0
Florida	0	3,221	0	8	0	0	0
Georgia	0	1,279	0	5	0	0	311
Maryland	0	20	0	8	0	0	3
North Carolina	30	582	0	0	0	0	168
South Carolina	0	0	0	28	0	0	121
Virginia	33	8	0	0	0	0	115
West Virginia	0	0	0	0	0	0	10
East South Central	**0**	**99**	**0**	**0**	**0**	**0**	**322**
Alabama	0	99	0	0	0	0	0
Kentucky	0	0	0	0	0	0	322
Mississippi	0	0	0	3	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**11**
Arkansas	0	0	0	0	0	0	133
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	153
Mountain	**7**	**99**	**0**	**1**	**0**	**0**	**11**
Arizona	0	0	0	0	0	0	0
Colorado	100	0	0	3	0	0	90
Idaho	0	0	0	9	0	0	43
Montana	7	46	0	388	0	0	10
Nevada	0	0	0	4	0	0	129
New Mexico	0	2,163	0	3	0	0	0
Utah	96	370	0	36	0	0	345
Wyoming	77	0	0	465	0	0	309
Pacific Contiguous	**1**	**18**	**185**	**1**	**0**	**0**	**24**
California	93	25	185	1	0	0	36
Oregon	0	0	0	2	0	0	46
Washington	0	15	0	0	0	0	47
Pacific Noncontiguous	**5**	**145**	**0**	**0**	**0**	**0**	**0**
Alaska	38	0	0	0	0	0	0
Hawaii	0	145	0	0	0	0	0
U.S. Total	**0**	**39**	**1**	**0**	**5**	**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.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through December 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**	**53**	**3**	**0**	**6**	**1**
Connecticut	0	0	0	204	5	0	9	1
Maine	0	0	0	0	1	0	14	5
Massachusetts	0	0	0	61	6	0	7	4
New Hampshire	0	0	0	0	11	0	48	2
Rhode Island	0	0	0	206	22	0	0	1
Vermont	0	0	0	149	22	0	0	5
Middle Atlantic	**0**	**0**	**0**	**23**	**2**	**0**	**5**	**1**
New Jersey	0	0	0	27	8	0	11	1
New York	0	0	0	37	1	0	7	1
Pennsylvania	0	0	0	64	3	0	6	1
East North Central	**0**	**0**	**0**	**42**	**1**	**0**	**24**	**0**
Illinois	0	0	0	76	1	0	0	0
Indiana	0	0	0	68	1	0	0	2
Michigan	0	0	0	0	3	0	24	4
Ohio	0	0	0	64	2	0	0	0
Wisconsin	0	0	0	0	8	0	0	1
West North Central	**0**	**0**	**0**	**349**	**1**	**0**	**32**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	349	2	0	32	3
Missouri	0	0	0	0	2	0	0	7
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**	**21**	**2**	**0**	**4**	**1**
Delaware	0	0	0	81	31	0	0	1
Florida	0	0	0	62	3	0	6	4
Georgia	0	0	0	45	9	0	0	5
Maryland	0	0	0	61	4	0	0	1
North Carolina	0	0	0	28	9	0	27	4
South Carolina	0	0	0	288	56	0	0	28
Virginia	0	0	0	0	4	0	0	3
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**123**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	54
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	123	23	0	0	23
West South Central	**0**	**0**	**0**	**37**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	43	0	0	1
Louisiana	0	0	0	0	23	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	37	0	0	0	0
Mountain	**0**	**4**	**0**	**4**	**1**	**0**	**4**	**2**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	20	1	0	88	2
Idaho	0	19	0	0	7	0	0	6
Montana	0	0	0	0	2	0	0	5
Nevada	0	4	0	8	4	0	0	2
New Mexico	0	205	0	28	3	0	0	2
Utah	0	7	0	399	6	0	154	27
Wyoming	0	0	0	0	2	0	0	13
Pacific Contiguous	**0**	**2**	**0**	**3**	**1**	**0**	**17**	**1**
California	0	2	0	3	1	0	13	1
Oregon	0	0	0	149	2	0	59	1
Washington	0	0	0	0	1	0	44	1
Pacific Noncontiguous	**0**	**0**	**0**	**115**	**10**	**0**	**0**	**54**
Alaska	0	0	0	0	68	0	0	33
Hawaii	0	0	0	115	9	0	0	58
U.S. Total	**0**	**2**	**0**	**3**	**0**	**0**	**3**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**227**	**0**	**34**	**0**	**0**	**384**
Connecticut	0	52,949	0	70	0	0	0
Maine	0	1,098	0	263	0	0	0
Massachusetts	0	296	0	26	0	0	384
New Hampshire	0	440	0	325	0	0	0
Rhode Island	0	689	0	216	0	0	0
Vermont	0	1,687	0	0	0	0	0
Middle Atlantic	**145**	**2,332**	**0**	**32**	**0**	**0**	**442**
New Jersey	0	590	0	98	0	0	0
New York	0	2,740	0	28	0	0	442
Pennsylvania	145	796	0	135	0	0	0
East North Central	**19**	**1,841**	**0**	**33**	**0**	**0**	**574**
Illinois	39	54	0	23	0	0	602
Indiana	17	14,088	0	189	0	0	0
Michigan	0	34	0	69	0	0	0
Ohio	317	172	0	82	0	0	0
Wisconsin	204	2,936	0	118	0	0	0
West North Central	**26**	**1,951**	**0**	**136**	**0**	**0**	**0**
Iowa	41	208	0	284	0	0	0
Minnesota	0	2,421	0	183	0	0	0
Missouri	0	323	0	0	0	0	0
Nebraska	0	0	0	2,975	0	0	0
North Dakota	0	376	0	0	0	0	0
South Dakota	0	548	0	0	0	0	0
South Atlantic	**18**	**376**	**0**	**75**	**0**	**0**	**316**
District of Columbia	0	0	0	172	0	0	0
Florida	0	0	0	138	0	0	0
Georgia	0	73	0	0	0	0	0
Maryland	124	390	0	100	0	0	0
North Carolina	0	204	0	0	0	0	317
South Carolina	0	287	0	0	0	0	1,034
Virginia	0	71	0	0	0	0	0
East South Central	**113**	**274**	**0**	**97**	**0**	**0**	**0**
Mississippi	0	0	0	141	0	0	0
Tennessee	113	274	0	108	0	0	0
West South Central	**0**	**5,213**	**0**	**20**	**0**	**0**	**0**
Arkansas	0	0	0	766	0	0	0
Louisiana	0	0	0	95	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	5,213	0	20	0	0	0
Mountain	**0**	**408**	**0**	**30**	**0**	**0**	**807**
Arizona	0	408	0	52	0	0	0
Colorado	0	0	0	0	0	0	807
Nevada	0	0	0	69	0	0	0
New Mexico	0	0	0	62	0	0	0
Utah	0	0	0	88	0	0	0
Pacific Contiguous	**0**	**1,498**	**0**	**16**	**0**	**0**	**759**
California	0	1,495	0	14	0	0	759
Oregon	0	0	0	408	0	0	0
Washington	0	1,827	0	252	0	0	0
Pacific Noncontiguous	**14**	**87**	**0**	**1,507**	**0**	**0**	**0**
Alaska	14	108	0	1,507	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**11**	**525**	**0**	**12**	**0**	**0**	**201**

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, December 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**	**42**	**0**	**33**	**33**
Connecticut	0	0	0	0	0	0	0	70
Maine	0	0	0	0	52	0	33	50
Massachusetts	0	0	0	0	109	0	0	44
New Hampshire	0	0	0	0	97	0	0	201
Rhode Island	0	0	0	0	0	0	0	257
Vermont	0	0	0	0	220	0	0	741
Middle Atlantic	**0**	**0**	**0**	**57**	**16**	**0**	**9**	**33**
New Jersey	0	0	0	59	14	0	0	32
New York	0	0	0	0	35	0	22	59
Pennsylvania	0	0	0	168	16	0	0	37
East North Central	**0**	**0**	**0**	**322**	**31**	**0**	**18**	**24**
Illinois	0	0	0	0	1,063	0	0	21
Indiana	0	0	0	0	112	0	74	52
Michigan	0	0	0	0	31	0	18	46
Ohio	0	0	0	322	322	0	0	80
Wisconsin	0	0	0	0	141	0	0	95
West North Central	**0**	**0**	**0**	**0**	**40**	**0**	**59**	**40**
Iowa	0	0	0	0	102	0	0	41
Minnesota	0	0	0	0	74	0	59	115
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	136	0	0	189
North Dakota	0	0	0	0	0	0	0	376
South Dakota	0	0	0	0	0	0	0	548
South Atlantic	**0**	**0**	**0**	**49**	**20**	**0**	**11**	**27**
Delaware	0	0	0	0	201	0	0	201
District of Columbia	0	0	0	0	0	0	0	172
Florida	0	0	0	455	92	0	0	77
Georgia	0	0	0	307	100	0	0	96
Maryland	0	0	0	258	77	0	378	91
North Carolina	0	0	0	49	49	0	0	21
South Carolina	0	0	0	0	0	0	0	985
Virginia	0	0	0	0	21	0	11	13
East South Central	**0**	**0**	**0**	**154**	**154**	**0**	**0**	**85**
Mississippi	0	0	0	0	0	0	0	141
Tennessee	0	0	0	154	154	0	0	94
West South Central	**0**	**0**	**0**	**385**	**84**	**0**	**0**	**20**
Arkansas	0	0	0	0	234	0	0	225
Louisiana	0	0	0	0	0	0	0	95
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	385	89	0	0	20
Mountain	**0**	**0**	**0**	**68**	**67**	**0**	**0**	**29**
Arizona	0	0	0	132	132	0	0	48
Colorado	0	0	0	116	116	0	0	107
Nevada	0	0	0	82	82	0	0	60
New Mexico	0	0	0	0	329	0	0	61
Utah	0	0	0	0	0	0	0	88
Pacific Contiguous	**0**	**0**	**0**	**61**	**14**	**0**	**0**	**53**
California	0	0	0	61	14	0	0	53
Oregon	0	0	0	0	115	0	0	255
Washington	0	0	0	0	0	0	0	250
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**
Alaska	0	0	0	0	0	0	0	21
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**31**	**10**	**0**	**6**	**16**

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 December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**227**	**0**	**34**	**0**	**0**	**384**
Connecticut	0	52,949	0	70	0	0	0
Maine	0	1,098	0	263	0	0	0
Massachusetts	0	296	0	26	0	0	384
New Hampshire	0	440	0	325	0	0	0
Rhode Island	0	689	0	216	0	0	0
Vermont	0	1,687	0	0	0	0	0
Middle Atlantic	**145**	**2,332**	**0**	**32**	**0**	**0**	**442**
New Jersey	0	590	0	98	0	0	0
New York	0	2,740	0	28	0	0	442
Pennsylvania	145	796	0	135	0	0	0
East North Central	**19**	**1,841**	**0**	**33**	**0**	**0**	**574**
Illinois	39	54	0	23	0	0	602
Indiana	17	14,088	0	189	0	0	0
Michigan	0	34	0	69	0	0	0
Ohio	317	172	0	82	0	0	0
Wisconsin	204	2,936	0	118	0	0	0
West North Central	**26**	**1,951**	**0**	**136**	**0**	**0**	**0**
Iowa	41	208	0	284	0	0	0
Minnesota	0	2,421	0	183	0	0	0
Missouri	0	323	0	0	0	0	0
Nebraska	0	0	0	2,975	0	0	0
North Dakota	0	376	0	0	0	0	0
South Dakota	0	548	0	0	0	0	0
South Atlantic	**18**	**376**	**0**	**75**	**0**	**0**	**316**
District of Columbia	0	0	0	172	0	0	0
Florida	0	0	0	138	0	0	0
Georgia	0	73	0	0	0	0	0
Maryland	124	390	0	100	0	0	0
North Carolina	0	204	0	0	0	0	317
South Carolina	0	287	0	0	0	0	1,034
Virginia	0	71	0	0	0	0	0
East South Central	**113**	**274**	**0**	**97**	**0**	**0**	**0**
Mississippi	0	0	0	141	0	0	0
Tennessee	113	274	0	108	0	0	0
West South Central	**0**	**5,213**	**0**	**20**	**0**	**0**	**0**
Arkansas	0	0	0	766	0	0	0
Louisiana	0	0	0	95	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	5,213	0	20	0	0	0
Mountain	**0**	**408**	**0**	**30**	**0**	**0**	**807**
Arizona	0	408	0	52	0	0	0
Colorado	0	0	0	0	0	0	807
Nevada	0	0	0	69	0	0	0
New Mexico	0	0	0	62	0	0	0
Utah	0	0	0	88	0	0	0
Pacific Contiguous	**0**	**1,498**	**0**	**16**	**0**	**0**	**759**
California	0	1,495	0	14	0	0	759
Oregon	0	0	0	408	0	0	0
Washington	0	1,827	0	252	0	0	0
Pacific Noncontiguous	**14**	**87**	**0**	**1,507**	**0**	**0**	**0**
Alaska	14	108	0	1,507	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**11**	**525**	**0**	**12**	**0**	**0**	**201**

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 December 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**	**42**	**0**	**33**	**33**
Connecticut	0	0	0	0	0	0	0	70
Maine	0	0	0	0	52	0	33	50
Massachusetts	0	0	0	0	109	0	0	44
New Hampshire	0	0	0	0	97	0	0	201
Rhode Island	0	0	0	0	0	0	0	257
Vermont	0	0	0	0	220	0	0	741
Middle Atlantic	**0**	**0**	**0**	**57**	**16**	**0**	**9**	**33**
New Jersey	0	0	0	59	14	0	0	32
New York	0	0	0	0	35	0	22	59
Pennsylvania	0	0	0	168	16	0	0	37
East North Central	**0**	**0**	**0**	**322**	**31**	**0**	**18**	**24**
Illinois	0	0	0	0	1,063	0	0	21
Indiana	0	0	0	0	112	0	74	52
Michigan	0	0	0	0	31	0	18	46
Ohio	0	0	0	322	322	0	0	80
Wisconsin	0	0	0	0	141	0	0	95
West North Central	**0**	**0**	**0**	**0**	**40**	**0**	**59**	**40**
Iowa	0	0	0	0	102	0	0	41
Minnesota	0	0	0	0	74	0	59	115
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	136	0	0	189
North Dakota	0	0	0	0	0	0	0	376
South Dakota	0	0	0	0	0	0	0	548
South Atlantic	**0**	**0**	**0**	**49**	**20**	**0**	**11**	**27**
Delaware	0	0	0	0	201	0	0	201
District of Columbia	0	0	0	0	0	0	0	172
Florida	0	0	0	455	92	0	0	77
Georgia	0	0	0	307	100	0	0	96
Maryland	0	0	0	258	77	0	378	91
North Carolina	0	0	0	49	49	0	0	21
South Carolina	0	0	0	0	0	0	0	985
Virginia	0	0	0	0	21	0	11	13
East South Central	**0**	**0**	**0**	**154**	**154**	**0**	**0**	**85**
Mississippi	0	0	0	0	0	0	0	141
Tennessee	0	0	0	154	154	0	0	94
West South Central	**0**	**0**	**0**	**385**	**84**	**0**	**0**	**20**
Arkansas	0	0	0	0	234	0	0	225
Louisiana	0	0	0	0	0	0	0	95
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	385	89	0	0	20
Mountain	**0**	**0**	**0**	**68**	**67**	**0**	**0**	**29**
Arizona	0	0	0	132	132	0	0	48
Colorado	0	0	0	116	116	0	0	107
Nevada	0	0	0	82	82	0	0	60
New Mexico	0	0	0	0	329	0	0	61
Utah	0	0	0	0	0	0	0	88
Pacific Contiguous	**0**	**0**	**0**	**61**	**14**	**0**	**0**	**53**
California	0	0	0	61	14	0	0	53
Oregon	0	0	0	0	115	0	0	255
Washington	0	0	0	0	0	0	0	250
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**
Alaska	0	0	0	0	0	0	0	21
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**31**	**10**	**0**	**6**	**16**

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, December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**34**	**159**	**0**	**16**	**0**	**0**	**34**
Connecticut	0	699	0	87	0	0	0
Maine	0	245	0	14	0	0	32
Massachusetts	92	162	0	119	0	0	424
New Hampshire	0	205	0	253	0	0	503
Vermont	0	0	0	0	0	0	189
Middle Atlantic	**11**	**106**	**36**	**35**	**18**	**0**	**118**
New Jersey	0	1,207	84	64	61	0	0
New York	0	84	0	66	0	0	118
Pennsylvania	17	1,165	39	51	14	0	0
East North Central	**6**	**229**	**18**	**43**	**14**	**0**	**83**
Illinois	7	2,190	0	82	47	0	0
Indiana	74	11	0	50	12	0	0
Michigan	23	91	48	130	0	0	196
Ohio	18	615	377	128	34	0	0
Wisconsin	9	377	0	108	0	0	92
West North Central	**8**	**206**	**0**	**152**	**121**	**0**	**91**
Iowa	8	176	0	464	0	0	0
Kansas	0	0	0	124	0	0	0
Minnesota	21	381	0	191	0	0	91
Missouri	75	0	0	1,154	0	0	0
Nebraska	27	0	0	705	0	0	0
North Dakota	56	266	0	556	121	0	0
South Atlantic	**13**	**66**	**0**	**7**	**0**	**0**	**10**
Delaware	0	0	0	0	0	0	0
Florida	77	191	0	11	0	0	0
Georgia	20	77	0	14	0	0	194
Maryland	0	0	0	151	0	0	0
North Carolina	69	412	0	39	0	0	14
South Carolina	0	0	0	29	0	0	0
Virginia	33	187	0	15	0	0	256
West Virginia	5	0	0	391	0	0	9
East South Central	**5**	**186**	**0**	**9**	**76**	**0**	**12**
Alabama	27	188	0	10	94	0	0
Kentucky	0	0	0	78	0	0	0
Mississippi	0	0	0	7	0	0	0
Tennessee	2	1,058	0	17	0	0	12
West South Central	**55**	**108**	**21**	**1**	**7**	**0**	**0**
Arkansas	0	0	0	14	0	0	0
Louisiana	0	0	31	1	6	0	0
Oklahoma	62	0	0	57	0	0	0
Texas	0	964	17	2	12	0	0
Mountain	**24**	**200**	**0**	**21**	**9**	**0**	**0**
Colorado	615	1,877	0	125	0	0	0
Idaho	57	0	0	123	0	0	0
Montana	176	0	0	0	0	0	0
Nevada	0	0	0	30	0	0	0
New Mexico	0	1,095	0	0	0	0	0
Utah	0	2,813	0	25	335	0	0
Wyoming	26	160	0	41	8	0	0
Pacific Contiguous	**0**	**53**	**0**	**5**	**9**	**0**	**815**
California	0	43	0	4	9	0	0
Oregon	0	0	0	157	0	0	0
Washington	0	94	0	0	0	0	815
Pacific Noncontiguous	**224**	**116**	**0**	**387**	**100**	**0**	**131**
Alaska	0	29	0	387	528	0	0
Hawaii	224	130	0	0	99	0	131
U.S. Total	**4**	**48**	**12**	**2**	**7**	**0**	**8**

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**4**	**0**	**25**	**8**
Connecticut	0	0	0	0	0	0	0	87
Maine	0	0	0	0	5	0	35	7
Massachusetts	0	0	0	0	0	0	0	21
New Hampshire	0	0	0	0	0	0	0	226
Vermont	0	0	0	0	0	0	0	189
Middle Atlantic	**0**	**0**	**0**	**96**	**8**	**0**	**0**	**12**
New Jersey	0	0	0	231	231	0	0	46
New York	0	0	0	0	5	0	0	19
Pennsylvania	0	0	0	106	11	0	0	14
East North Central	**0**	**0**	**0**	**0**	**8**	**0**	**9**	**7**
Illinois	0	0	0	0	0	0	21	11
Indiana	0	0	0	0	128	0	0	11
Michigan	0	0	0	0	11	0	0	25
Ohio	0	0	0	0	14	0	0	20
Wisconsin	0	0	0	0	14	0	60	12
West North Central	**0**	**0**	**0**	**0**	**10**	**0**	**46**	**10**
Iowa	0	0	0	0	0	0	0	10
Kansas	0	0	0	0	0	0	0	124
Minnesota	0	0	0	0	9	0	46	19
Missouri	0	0	0	0	250	0	0	72
Nebraska	0	0	0	0	0	0	0	37
North Dakota	0	0	0	0	249	0	0	81
South Atlantic	**0**	**0**	**0**	**0**	**3**	**0**	**5**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	8	0	5	6
Georgia	0	0	0	0	5	0	5	5
Maryland	0	0	0	0	0	0	0	25
North Carolina	0	0	0	0	7	0	0	9
South Carolina	0	0	0	0	2	0	0	3
Virginia	0	0	0	0	4	0	0	8
West Virginia	0	0	0	0	0	0	0	6
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**114**	**3**
Alabama	0	0	0	0	6	0	0	5
Kentucky	0	0	0	0	4	0	0	31
Mississippi	0	0	0	0	5	0	580	4
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**7**	**1**
Arkansas	0	0	0	0	4	0	0	4
Louisiana	0	0	0	0	6	0	5	1
Oklahoma	0	0	0	0	25	0	71	30
Texas	0	0	0	0	12	0	18	2
Mountain	**0**	**0**	**0**	**372**	**5**	**0**	**12**	**11**
Colorado	0	0	0	0	392	0	51	66
Idaho	0	0	0	0	4	0	0	20
Montana	0	0	0	0	0	0	0	176
Nevada	0	0	0	372	372	0	0	30
New Mexico	0	0	0	0	0	0	0	1,095
Utah	0	0	0	0	0	0	0	20
Wyoming	0	0	0	0	0	0	0	18
Pacific Contiguous	**0**	**0**	**0**	**209**	**7**	**0**	**9**	**4**
California	0	0	0	209	16	0	10	4
Oregon	0	0	0	0	10	0	0	31
Washington	0	0	0	0	8	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**54**	**0**	**0**	**59**
Alaska	0	0	0	0	0	0	0	258
Hawaii	0	0	0	0	54	0	0	54
U.S. Total	**0**	**0**	**0**	**103**	**2**	**0**	**4**	**1**

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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 December 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**34**	**159**	**0**	**16**	**0**	**0**	**34**
Connecticut	0	699	0	87	0	0	0
Maine	0	245	0	14	0	0	32
Massachusetts	92	162	0	119	0	0	424
New Hampshire	0	205	0	253	0	0	503
Vermont	0	0	0	0	0	0	189
Middle Atlantic	**11**	**106**	**36**	**35**	**18**	**0**	**118**
New Jersey	0	1,207	84	64	61	0	0
New York	0	84	0	66	0	0	118
Pennsylvania	17	1,165	39	51	14	0	0
East North Central	**6**	**229**	**18**	**43**	**14**	**0**	**83**
Illinois	7	2,190	0	82	47	0	0
Indiana	74	11	0	50	12	0	0
Michigan	23	91	48	130	0	0	196
Ohio	18	615	377	128	34	0	0
Wisconsin	9	377	0	108	0	0	92
West North Central	**8**	**206**	**0**	**152**	**121**	**0**	**91**
Iowa	8	176	0	464	0	0	0
Kansas	0	0	0	124	0	0	0
Minnesota	21	381	0	191	0	0	91
Missouri	75	0	0	1,154	0	0	0
Nebraska	27	0	0	705	0	0	0
North Dakota	56	266	0	556	121	0	0
South Atlantic	**13**	**66**	**0**	**7**	**0**	**0**	**10**
Delaware	0	0	0	0	0	0	0
Florida	77	191	0	11	0	0	0
Georgia	20	77	0	14	0	0	194
Maryland	0	0	0	151	0	0	0
North Carolina	69	412	0	39	0	0	14
South Carolina	0	0	0	29	0	0	0
Virginia	33	187	0	15	0	0	256
West Virginia	5	0	0	391	0	0	9
East South Central	**5**	**186**	**0**	**9**	**76**	**0**	**12**
Alabama	27	188	0	10	94	0	0
Kentucky	0	0	0	78	0	0	0
Mississippi	0	0	0	7	0	0	0
Tennessee	2	1,058	0	17	0	0	12
West South Central	**55**	**108**	**21**	**1**	**7**	**0**	**0**
Arkansas	0	0	0	14	0	0	0
Louisiana	0	0	31	1	6	0	0
Oklahoma	62	0	0	57	0	0	0
Texas	0	964	17	2	12	0	0
Mountain	**24**	**200**	**0**	**21**	**9**	**0**	**0**
Colorado	615	1,877	0	125	0	0	0
Idaho	57	0	0	123	0	0	0
Montana	176	0	0	0	0	0	0
Nevada	0	0	0	30	0	0	0
New Mexico	0	1,095	0	0	0	0	0
Utah	0	2,813	0	25	335	0	0
Wyoming	26	160	0	41	8	0	0
Pacific Contiguous	**0**	**53**	**0**	**5**	**9**	**0**	**815**
California	0	43	0	4	9	0	0
Oregon	0	0	0	157	0	0	0
Washington	0	94	0	0	0	0	815
Pacific Noncontiguous	**224**	**116**	**0**	**387**	**100**	**0**	**131**
Alaska	0	29	0	387	528	0	0
Hawaii	224	130	0	0	99	0	131
U.S. Total	**4**	**48**	**12**	**2**	**7**	**0**	**8**

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 December 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**4**	**0**	**25**	**8**
Connecticut	0	0	0	0	0	0	0	87
Maine	0	0	0	0	5	0	35	7
Massachusetts	0	0	0	0	0	0	0	21
New Hampshire	0	0	0	0	0	0	0	226
Vermont	0	0	0	0	0	0	0	189
Middle Atlantic	**0**	**0**	**0**	**96**	**8**	**0**	**0**	**12**
New Jersey	0	0	0	231	231	0	0	46
New York	0	0	0	0	5	0	0	19
Pennsylvania	0	0	0	106	11	0	0	14
East North Central	**0**	**0**	**0**	**0**	**8**	**0**	**9**	**7**
Illinois	0	0	0	0	0	0	21	11
Indiana	0	0	0	0	128	0	0	11
Michigan	0	0	0	0	11	0	0	25
Ohio	0	0	0	0	14	0	0	20
Wisconsin	0	0	0	0	14	0	60	12
West North Central	**0**	**0**	**0**	**0**	**10**	**0**	**46**	**10**
Iowa	0	0	0	0	0	0	0	10
Kansas	0	0	0	0	0	0	0	124
Minnesota	0	0	0	0	9	0	46	19
Missouri	0	0	0	0	250	0	0	72
Nebraska	0	0	0	0	0	0	0	37
North Dakota	0	0	0	0	249	0	0	81
South Atlantic	**0**	**0**	**0**	**0**	**3**	**0**	**5**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	8	0	5	6
Georgia	0	0	0	0	5	0	5	5
Maryland	0	0	0	0	0	0	0	25
North Carolina	0	0	0	0	7	0	0	9
South Carolina	0	0	0	0	2	0	0	3
Virginia	0	0	0	0	4	0	0	8
West Virginia	0	0	0	0	0	0	0	6
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**114**	**3**
Alabama	0	0	0	0	6	0	0	5
Kentucky	0	0	0	0	4	0	0	31
Mississippi	0	0	0	0	5	0	580	4
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**7**	**1**
Arkansas	0	0	0	0	4	0	0	4
Louisiana	0	0	0	0	6	0	5	1
Oklahoma	0	0	0	0	25	0	71	30
Texas	0	0	0	0	12	0	18	2
Mountain	**0**	**0**	**0**	**372**	**5**	**0**	**12**	**11**
Colorado	0	0	0	0	392	0	51	66
Idaho	0	0	0	0	4	0	0	20
Montana	0	0	0	0	0	0	0	176
Nevada	0	0	0	372	372	0	0	30
New Mexico	0	0	0	0	0	0	0	1,095
Utah	0	0	0	0	0	0	0	20
Wyoming	0	0	0	0	0	0	0	18
Pacific Contiguous	**0**	**0**	**0**	**209**	**7**	**0**	**9**	**4**
California	0	0	0	209	16	0	10	4
Oregon	0	0	0	0	10	0	0	31
Washington	0	0	0	0	8	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**54**	**0**	**0**	**59**
Alaska	0	0	0	0	0	0	0	258
Hawaii	0	0	0	0	54	0	0	54
U.S. Total	**0**	**0**	**0**	**103**	**2**	**0**	**4**	**1**

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	4	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	3	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	1	1	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	2	2	0	1
Kansas	2	2	3	0	1
Minnesota	2	1	2	0	1
Missouri	1	1	5	0	1
Nebraska	2	2	3	0	1
North Dakota	1	1	4	0	1
South Dakota	2	3	4	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	9	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	1
Georgia	2	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	1
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	3	2	2	0	1
Tennessee	1	2	5	0	1
West South Central	**1**	**1**	**1**	**8**	**0**
Arkansas	2	2	2	404	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	1
Mountain	**1**	**1**	**1**	**0**	**0**
Arizona	1	1	2	0	1
Colorado	2	2	2	0	1
Idaho	1	1	2	0	1
Montana	2	2	3	0	1
Nevada	1	1	0	0	0
New Mexico	2	3	3	0	2
Utah	2	2	1	0	1
Wyoming	2	2	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	3	3	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 December 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	2	1	2	0	1
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	0	1	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	0	1	1	0	0
Missouri	0	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	0	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	1	0	0
Georgia	0	1	1	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	0	1	1	0	0
Kentucky	0	1	1	0	1
Mississippi	1	1	1	0	1
Tennessee	0	1	2	0	1
West South Central	**0**	**0**	**0**	**1**	**0**
Arkansas	1	1	1	279	1
Louisiana	0	1	0	0	0
Oklahoma	0	1	1	0	0
Texas	0	0	1	0	0
Mountain	**0**	**0**	**0**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	0	1	2	0	1
Idaho	0	1	1	0	0
Montana	1	1	1	0	1
Nevada	0	1	0	0	0
New Mexico	1	1	2	0	1
Utah	1	1	1	0	0
Wyoming	1	1	1	0	0
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	1	2	0	0
Washington	0	1	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	1	2	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**2**	**0**	**0**
Connecticut	0	1	4	0	1
Maine	1	1	2	0	0
Massachusetts	1	1	3	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	3	0	1
Indiana	1	2	2	0	1
Michigan	1	1	1	0	0
Ohio	1	1	3	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	2	2	3	0	1
Kansas	2	2	4	0	1
Minnesota	2	1	2	0	1
Missouri	1	2	6	0	1
Nebraska	2	2	4	0	2
North Dakota	2	1	4	0	1
South Dakota	3	3	5	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	10	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	2	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	3	0	1
West Virginia	0	1	1	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	2	2	4	0	1
Mississippi	3	2	3	0	2
Tennessee	1	2	6	0	1
West South Central	**1**	**1**	**1**	**12**	**1**
Arkansas	2	2	3	414	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	4	0	1
Texas	1	1	2	0	1
Mountain	**1**	**1**	**1**	**0**	**1**
Arizona	1	1	3	0	1
Colorado	2	2	5	0	2
Idaho	1	1	2	0	1
Montana	2	2	4	0	2
Nevada	1	1	1	0	1
New Mexico	3	4	7	0	2
Utah	2	3	2	0	1
Wyoming	2	2	2	0	1
Pacific Contiguous	**0**	**0**	**2**	**0**	**0**
California	0	0	2	0	0
Oregon	1	1	4	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	3	3	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**31**	**0**
Connecticut	0	0	2	0	0
Maine	0	1	1	0	0
Massachusetts	1	1	2	70	1
New Hampshire	0	0	2	0	0
Rhode Island	2	5	1	0	2
Vermont	1	2	4	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	1	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	0	2	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	0	2	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	1	0	0
Missouri	0	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	3	0	1
South Atlantic	**0**	**0**	**1**	**14**	**0**
Delaware	1	4	5	0	2
District of Columbia	0	3	0	36	3
Florida	0	0	2	0	0
Georgia	1	1	2	0	0
Maryland	0	0	2	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**0**	**1**	**2**	**0**
Arkansas	1	1	2	293	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	0	2	0	0
Colorado	1	1	3	0	1
Idaho	0	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	4	1	0	1
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	0	2	2	0	1
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**	**3**	**0**

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	4	0	0
Maine	0	0	1	0	0
Massachusetts	0	1	1	0	1
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	1	1	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	0	2	0	0
Indiana	0	1	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	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	1	0	0
Missouri	1	1	2	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	2	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	1	1	0	1
Mississippi	1	1	2	0	1
Tennessee	0	1	1	0	1
West South Central	**0**	**0**	**1**	**5**	**0**
Arkansas	1	1	2	107	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	1	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	2	0	1
Nevada	0	1	1	0	0
New Mexico	2	2	4	0	1
Utah	1	2	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	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**31**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	70	1
New Hampshire	0	1	3	0	1
Rhode Island	1	5	0	0	2
Vermont	0	3	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	1	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	0	1	2	0	1
Michigan	0	0	1	0	0
Ohio	0	1	2	0	0
Wisconsin	0	1	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	0	1	2	0	1
Kansas	0	1	3	0	1
Minnesota	0	1	1	0	1
Missouri	0	1	3	0	1
Nebraska	0	1	2	0	1
North Dakota	0	1	3	0	1
South Dakota	0	2	3	0	1
South Atlantic	**0**	**0**	**1**	**14**	**0**
Delaware	0	5	6	0	2
District of Columbia	0	3	0	36	3
Florida	0	1	2	0	0
Georgia	0	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	0	1	1	0	0
Kentucky	0	2	2	0	1
Mississippi	0	2	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**0**	**1**	**2**	**0**
Arkansas	0	2	2	371	1
Louisiana	0	1	1	0	0
Oklahoma	0	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	1	2	0	0
Colorado	0	1	3	0	1
Idaho	0	1	1	0	0
Montana	0	1	3	0	1
Nevada	0	4	1	0	1
New Mexico	0	2	5	0	1
Utah	0	1	1	0	1
Wyoming	0	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	2	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**	**3**	**0**

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

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	1	01/17/2013 6:07 PM	01/20/2013 7:30 PM	73 Hours, 23 Minutes	American Electric Power (AEP)	RFC	Southwest Virginia, Southern West Virginia	Severe Weather - Winter Storm	Unknown	127000
2013	1	01/17/2013 7:02 PM	01/19/2013 6:00 PM	46 Hours, 58 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Severe Weather - Winter Storm	Unknown	80000
2013	1	01/17/2013 8:35 PM	01/17/2013 9:20 PM	0 Hours, 45 Minutes	North Carolina Eastern M P A	SERC	Elizabeth City, North Carolina	Distribution Interruption	40	12000
2013	1	01/20/2013 3:30 AM	01/23/2013 6:15 AM	74 Hours, 45 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Wind Storm	Unknown	146500
2013	1	01/31/2013 3:05 AM	01/31/2013 4:48 AM	1 Hours, 43 Minutes	Dominion Virginia Power	SERC	Central and Eastern Virginia	Severe Weather - Wind Storm	188	119000
2013	1	01/31/2013 6:30 AM	01/31/2013 10:00 AM	3 Hours, 30 Minutes	ISO New England	NPCC	Connecticut	Severe Weather - Wind Storm	75	75000
2013	2	02/08/2013 11:38 AM	02/08/2013 2:17 PM	2 Hours, 39 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Prince George's County Maryland	Equipment Trip & Failure	140	52000
2013	2	02/08/2013 8:00 PM	02/11/2013 8:30 PM	72 Hours, 30 Minutes	ISO New England/National Grid	NPCC	Central and eastern Massachusetts; Rhode Island	Severe Weather - Winter Storm Nemo	N/A	50000
2013	2	02/08/2013 8:55 PM	02/12/2013 4:00 AM	79 Hours, 5 Minutes	ISO New England/NSTAR	NPCC	Boston area and Southeast Massachusetts	Severe Weather - Winter Storm Nemo	Unknown	50000
2013	2	02/10/2013 7:46 PM	02/10/2013 8:15 PM	0 Hours, 29 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Generator Trip; Voltage Reduction	350	Unknown
2013	2	02/13/2013 5:39 PM	02/15/2013 5:50 PM	48 Hours, 11 Minutes	Footprint Power Salem Harbor Operations LLC	NPCC	Eastern Massachusetts	Fuel Supply Emergency - Petroleum	1	1
2013	2	02/19/2013 4:01 PM	02/20/2013 12:55 PM	20 Hours, 54 Minutes	Pacific Gas & Electric Co.	WECC	Stockton, California	Electrical System Separation (Islanding)	13850	6810
2013	2	02/26/2013 1:00 PM	03/01/2013 10:00 AM	69 Hours, 0 Minutes	Associated Electric Coop, Inc	SERC	Northern Missouri	Severe Weather - Winter Storm Nemo	Unknown	56444
2013	3	03/03/2013 6:39 AM	03/03/2013 10:29 AM	3 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	Merced County, California	Transmission System Interruption	300	58850
2013	3	03/04/2013 9:49 AM	03/04/2013 10:00 PM	12 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Metropolitan area Puerto Rico	Equipment Failure; Transmission System Interruption	Unknown	Unknown
2013	3	03/06/2013 8:22 AM	03/07/2013 10:27 AM	26 Hours, 5 Minutes	Dominion Virginia Power	SERC	Northwest Virginia	Severe Weather - Winter Storm	400	233000
2013	3	03/18/2013 5:21 AM	03/18/2013 5:41 AM	0 Hours, 20 Minutes	Puerto Rico Electric Power Authority	N/A	Systemwide Puerto Rico	Generator Trip; Load Shed	350	262937
2013	3	03/18/2013 7:30 PM	03/20/2013 2:30 PM	43 Hours, 0 Minutes	Southern Company	SERC	North/Central Alabama; Georgia	Severe Weather - Thunderstorms	800	240000
2013	4	04/18/2013 3:00 PM	04/21/2013 3:30 AM	60 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan, Michigan	Severe Weather - Storms and Wind	Unknown	99000
2013	4	04/23/2013 12:49 AM	04/23/2013 4:04 AM	3 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	South of Humboldt California	Electrical System Separation (Islanding)	80	1
2013	5	05/01/2013 9:22 AM	05/01/2013 9:24 AM	0 Hours, 2 Minutes	Xcel Energy/Public Service Company of Colorado	WECC	Northeast Colorado	Electrical System Separation (Islanding)	123	35230
2013	5	05/02/2013 6:52 AM	05/02/2013 10:07 AM	3 Hours, 15 Minutes	WECC	WECC	Unknown	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/09/2013 1:21 PM	05/09/2013 4:21 PM	3 Hours, 0 Minutes	WECC	WECC	Alberta, Canada; Washington State	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/13/2013 12:52 PM	ongoing	ongoing	California Department of Water Resources	WECC	Central California	Fuel Supply Emergency - Hydro	176	Unknown
2013	5	05/14/2013 12:01 AM	05/14/2013 1:59 PM	13 Hours, 58 Minutes	PacifiCorp	WECC	Portland, Oregon	Vandalism/Theft	N/A	N/A
2013	5	05/20/2013 3:00 PM	05/22/2013 5:00 PM	50 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Moore, Oklahoma	Severe Weather - Tornados	Unknown	41306
2013	5	05/20/2013 5:22 PM	05/20/2013 9:09 PM	3 Hours, 47 Minutes	Entergy Transmission - SOC	SERC	Gonzales Area Louisiana	Generator Trip; Load Shed 100+ MW	103	21800
2013	5	05/22/2013 10:51 AM	05/22/2013 10:57 AM	0 Hours, 6 Minutes	Puerto Rico Electric Power Authority	N/A	System wide Puerto Rico	System Wide Voltage Reduction	280	197287
2013	5	05/29/2013 8:58 PM	05/31/2013 2:53 PM	41 Hours, 55 Minutes	Niagara Mohawk Power Corp.	NPCC	Central and Eastern New York	Severe Weather - Thunderstorms	Unknown	61795
2013	5	05/31/2013 1:00 AM	05/31/2013 1:30 AM	0 Hours, 30 Minutes	Southwest Power Pool, Inc.	SPP	Maumelle, Arkansas	Severe Weather - Lightning	N/A	N/A
2013	5	05/31/2013 6:00 PM	06/04/2013 10:30 AM	88 Hours, 30 Minutes	Oklahoma Gas & Electric Co	SPP	El Reno, S. Oklahoma City, Oklahoma	Severe Weather - Tornados	Unknown	127000
2013	5	05/31/2013 7:07 PM	06/01/2013 2:15 PM	19 Hours, 8 Minutes	Coffeyville Municipal Light and Power	MRO	Southeast Kansas, Northeast Oklahoma	Transmission System Interruption	102	6300
2013	5	05/31/2013 7:30 PM	06/01/2013 8:00 PM	24 Hours, 30 Minutes	Ameren Missouri	SERC	St. Louis Metro Area Missouri	Severe Weather - Thunderstorms	Unknown	100000
2013	6	06/03/2013 12:50 PM	06/03/2013 1:36 PM	0 Hours, 46 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/13/2013 1:17 PM	06/14/2013 5:35 PM	28 Hours, 18 Minutes	Duke Energy Carolinas	SERC	Western Piedmont North Carolina	Severe Weather - Thunderstorms	1000	175000
2013	6	06/13/2013 3:20 PM	06/14/2013 9:10 PM	29 Hours, 50 Minutes	American Electric Power	RFC; SERC	Ohio; Virginia; West Virginia	Severe Weather - Thunderstorms	Unknown	90247
2013	6	06/13/2013 3:30 PM	06/13/2013 4:00 PM	0 Hours, 30 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Maryland	Loss of 300+ MW Load; Severe Weather - Thunderstorms	700	40000
2013	6	06/13/2013 4:08 PM	06/14/2013 5:16 PM	25 Hours, 8 Minutes	Dominion Virginia Power	SERC	Richmond Metro area, Virginia	Severe Weather - Thunderstorms	900	283000
2013	6	06/13/2013 5:45 PM	06/14/2013 6:30 PM	24 Hours, 45 Minutes	Duke Energy Progress	SERC	Central and Eastern North Carolina	Severe Weather - Thunderstorms	Unknown	53000
2013	6	06/13/2013 8:47 PM	06/14/2013 10:47 PM	26 Hours, 0 Minutes	Southern Company	SERC	Southern Company Territory	Severe Weather - Thunderstorms	550	165798
2013	6	06/17/2013 4:17 PM	06/17/2013 6:49 PM	2 Hours, 32 Minutes	Tampa Electric Co	FRCC	Hillsborough County Florida	Load Shed of 100+ MW Under Emergency Operational Policy	180	37
2013	6	06/18/2013 3:51 PM	06/18/2013 4:23 PM	0 Hours, 32 Minutes	Western Area Power Administration	WECC	Wyoming	Electrical System Separation (Islanding)	6	Unknown
2013	6	06/19/2013 7:57 PM	06/19/2013 8:09 PM	0 Hours, 12 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/21/2013 3:00 AM	06/26/2013 12:00 PM	129 Hours, 0 Minutes	Xcel Energy	MRO	Minnesota	Severe Weather - Hailstorm	Unknown	193000
2013	6	06/21/2013 5:39 PM	06/24/2013 6:00 AM	60 Hours, 21 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul area Minnesota	Severe Weather - Hailstorm	Unknown	400000
2013	6	06/23/2013 9:20 PM	06/24/2013 1:35 AM	4 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Central Coast California	Severe Weather - Fog	Unknown	148000
2013	6	06/24/2013 7:30 PM	06/25/2013 5:46 PM	22 Hours, 16 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	283451
2013	6	06/24/2013 7:30 PM	06/26/2013 5:00 PM	45 Hours, 30 Minutes	Northern Indiana Public Service Company	RFC	Indiana	Severe Weather - Thunderstorms	Unknown	86615
2013	6	06/27/2013 5:00 PM	06/28/2013 12:00 AM	7 Hours, 0 Minutes	Detroit Edison Co	RFC	South Eastern Michigan	Severe Weather - Thunderstorms	Unknown	138000
2013	6	06/28/2013 6:02 PM	06/28/2013 8:46 PM	2 Hours, 44 Minutes	Southern California Edison Co	WECC	Los Angeles and Orange Counties, California	Equipment Failure	240	65255
2013	7	07/02/2013 2:20 PM	07/05/2013 3:30 PM	73 Hours, 10 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Load Shed 100+MW	200	Unknown
2013	7	07/03/2013 12:04 PM	07/03/2013 12:48 PM	0 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	System-wide Puerto Rico	Voltage Reduction; Line and Generator Trip	480	393000
2013	7	07/10/2013 5:30 PM	07/11/2013 8:00 PM	26 Hours, 30 Minutes	American Electric Power	RFC	AEP Ohio Power Footprint	Severe Weather - Thunderstorms	N/A	122314
2013	7	07/17/2013 3:30 PM	07/19/2013 6:45 AM	39 Hours, 15 Minutes	Long Island Power Authority	NPCC	Holtsville, New York	Fuel Supply Emergency (Natural Gas)	417	Unknown
2013	7	07/18/2013 11:30 AM	07/19/2013 5:30 PM	30 Hours, 0 Minutes	Niagara Mohawk Power Corp.	NPCC	Upstate New York	Public Appeal - Heatwave	Unknown	Unknown
2013	7	07/18/2013 11:45 PM	07/19/2013 10:05 AM	10 Hours, 20 Minutes	San Diego Gas & Electric Co	WECC	Southern Orange County California	Equipment Failure	200	123000
2013	7	07/19/2013 6:00 PM	07/20/2013 9:00 AM	15 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	156627
2013	7	07/19/2013 10:30 PM	07/21/2013 8:00 PM	45 Hours, 30 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York	Severe Weather - Thunderstorms	Unknown	74300
2013	7	07/23/2013 11:38 PM	07/25/2013 4:30 AM	28 Hours, 52 Minutes	American Electric Power	SPP	Tulsa, Oklahoma	Severe Weather - Thunderstorms	500	92748
2013	8	08/01/2013 6:54 PM	08/01/2013 7:37 PM	0 Hours, 43 Minutes	WECC RC Vancouver	WECC	Western British Columbia	Electrical System Separation (Islanding	420	Unknown
2013	8	08/01/2013 11:19 PM	08/02/2013 12:49 AM	1 Hours, 30 Minutes	Florida Power & Light Co	FRCC	Daytona Beach Florida	Load Shed 200+ MW	297	104498
2013	8	08/05/2013 6:35 PM	08/05/2013 6:45 PM	0 Hours, 10 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding); Severe Weather	Unknown	Unknown
2013	8	08/07/2013 12:15 AM	08/07/2013 9:27 PM	21 Hours, 12 Minutes	We Energies	MRO	Eastern Central Wisconsin	Severe Weather - Thunderstorms	220	51160
2013	8	08/07/2013 7:30 AM	08/07/2013 9:14 AM	1 Hours, 44 Minutes	Wisconsin Public Service Corp	MRO	Wisconsin	Fuel Supply Emergency (Natural Gas & Fuel Oil)	Unknown	Unknown
2013	8	08/16/2013 4:58 PM	08/17/2013 11:58 PM	31 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston Service Area Texas	Severe Weather - Thunderstorms	Unknown	219681

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	8	08/19/2013 7:06 PM	08/20/2013 6:02 AM	10 Hours, 56 Minutes	Southern California Edison Co	WECC	Central California	Severe Weather - Lightning Strike	685	124000
2013	8	08/29/2013 2:57 PM	08/29/2013 3:29 PM	0 Hours, 32 Minutes	Xcel Energy	MRO	Ashland, Wisconsin	Electrical System Separation (Islanding); Severe Weather	15	7000
2013	8	08/30/2013 7:30 PM	08/31/2013 1:30 AM	6 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Entire ComEd territory Illinois	Severe Weather - Thunderstorms	Unknown	157000
2013	9	09/10/2013 5:42 PM	09/11/2013 12:02 AM	6 Hours, 20 Minutes	PJM Interconnection	RFC	Erie, Pennsylvania	Load Shed of 100+ MW	105	Unknown
2013	9	09/11/2013 4:00 PM	09/15/2013 4:00 PM	96 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Thunderstorms	400	75000
2013	10	10/21/2013 5:18 AM	10/21/2013 5:33 AM	0 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Location Unknown	Electrical System Separation (Islanding)	115	433
2013	10	10/27/2013 4:27 AM	10/27/2013 10:27 PM	18 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Hail Storm	Unknown	171117
2013	11	11/02/2013 12:00 AM	11/04/2013 6:00 AM	54 Hours, 0 Minutes	Puget Sound Energy	WECC	King, Whatcom, and Skagit, Washington	Severe Weather - Heavy Winds	Unknown	105000
2013	11	11/12/2013 9:14 AM	ongoing	ongoing	Farmers' Electric Coop, Inc	SPP	Eastern Central New Mexico	Loss of Power from Wholesale Provider; Major Distribution Disruption	Unknown	Unknown
2013	11	11/12/2013 2:04 PM	11/12/2013 2:05 PM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	Valle, California	Electrical System Separation (Islanding)	55	48400
2013	11	11/17/2013 7:00 AM	11/20/2013 6:54 PM	83 Hours, 54 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Ice and Snow Storm	Unknown	325325
2013	11	11/17/2013 12:35 PM	11/17/2013 1:40 PM	1 Hours, 5 Minutes	City of Rochelle	RFC	Rochelle, Indiana	System-wide voltage reductions of 3 percent or more	38	7500
2013	11	11/17/2013 12:35 PM	11/20/2013 11:00 AM	70 Hours, 25 Minutes	Ameren Missouri	SERC	Central Missouri, Central Illinois	Severe Weather - Tornadoes	Unknown	200000
2013	11	11/17/2013 1:06 PM	11/20/2013 1:06 PM	72 Hours, 0 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	75065
2013	11	11/17/2013 2:31 PM	11/17/2013 10:30 PM	7 Hours, 59 Minutes	Commonwealth Edison Co	RFC	Entire ComEd Territory Illinois	Severe Weather - Thunderstorms	Unknown	190000
2013	11	11/17/2013 4:19 PM	11/18/2013 6:00 PM	25 Hours, 41 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	77346
2013	11	11/17/2013 4:45 PM	11/21/2013 4:45 PM	96 Hours, 0 Minutes	Consumers Energy Co	RFC	Entire Lower Peninsula Michigan	Severe Weather - Thunderstorms	Unknown	50000
2013	11	11/17/2013 4:47 PM	11/20/2013 11:59 AM	67 Hours, 12 Minutes	Duke Energy Indiana Inc	RFC	Central Indiana	Severe Weather - Tornadoes	535	61705
2013	11	11/17/2013 4:47 PM	11/20/2013 4:47 PM	72 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	Unknown	61705
2013	11	11/21/2013 7:45 PM	11/22/2013 3:20 AM	7 Hours, 35 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather - Wind Storm	150	89500
2013	12	12/04/2013 5:00 AM	12/04/2013 4:17 PM	11 Hours, 17 Minutes	WECC - Loveland	WECC	Idaho Falls Area Idaho, Utah-Idaho Border Utah	Load Shed 100+ MW	150	Unknown
2013	12	12/06/2013 1:51 AM	12/11/2013 12:00 PM	130 Hours, 9 Minutes	Oncor Electric Delivery Company LLC	TRE	Greater Houston, Texas	Severe Weather - Ice/Snow	Unknown	881000
2013	12	12/09/2013 6:54 AM	12/09/2013 2:22 PM	7 Hours, 28 Minutes	Dominion Virginia Power	SERC	Virginia Service Territory	Severe Weather - Ice/Snow	293	88000
2013	12	12/13/2013 11:00 AM	12/27/2013 11:00 AM	336 Hours, 0 Minutes	Texas Municipal Power Agency	TE	Texas	Fuel Supply Emergencies (Coal)	Unknown	Unknown
2013	12	12/13/2013 11:00 AM	12/27/2013 11:00 AM	336 Hours, 0 Minutes	City of Garland	TRE	Texas	Fuel Supply Emergencies (Coal)	Unknown	Unknown
2013	12	12/22/2013 3:28 AM	12/28/2013 11:45 PM	164 Hours, 17 Minutes	Consumers Energy Co	RFC	Southern Lower Penninsula, Michigan	Severe Weather - Ice/Snow	Unknown	50000
2013	12	12/22/2013 6:16 AM	12/24/2013 11:59 PM	65 Hours, 43 Minutes	Niagara Mohawk Power Corp.	NPCC	Frontier/Genesee/Northern New York	Severe Weather - Ice/Snow	Unknown	59000
2013	12	12/22/2013 6:30 AM	12/25/2013 5:12 AM	70 Hours, 42 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Ice/Snow	350	140735
2013	12	12/23/2013 3:20 PM	12/25/2013 11:32 AM	44 Hours, 12 Minutes	Central Maine Power Co	NPCC	Central Maine Maine	Severe Weather - Ice/Snow	Unknown	52500

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)).

Average Capacity Factors

This section describes the methodology for calculating capacity factors by fuel and technology type for operating electric power plants. Capacity factor is a measure (expressed as a percent) of how often an electric generator operates over a specific period of time, using a ratio of the actual output to the maximum possible output over that time period.

The capacity factor calculation only includes operating electric generators in the Electric Power Sector (sectors 1, 2 and 3) using the net generation reported on the Form EIA-923 and the net summer capacity reported on the Form EIA-860. The capacity factor for a particular fuel/technology type is given by:

$$CapacityFactor = \left(\frac{\sum_{x,m} Generation_{x,m}}{\sum_{x,m} Generation_{x,m} * AvailableTime_{x,m}} \right)$$

Where x represents generators of that fuel/technology combination and m represents the period of time (month or year). Generation and capacity are specific to a generator, and the generator is categorized by its primary fuel type as reported on the EIA-860. All generation from that generator is included, regardless of other fuels consumed. Available time is also specific to the generator in order to account for differing online and retirement dates. Therefore, these published capacity factors will differ from a simple calculation using annual generation and capacity totals from the appropriate tables in this publication.

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

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[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, December 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	23.22	6.25	--	1.03
Connecticut	18.41	6.28	--	1.02
Maine	25.19	6.35	--	1.03
Massachusetts	24.14	6.13	--	1.03
New Hampshire	26.15	5.80	--	1.03
Rhode Island	--	5.82	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.53	6.02	--	1.03
New Jersey	25.36	5.77	--	1.04
New York	21.70	6.17	--	1.03
Pennsylvania	23.59	5.81	--	1.04
East North Central	20.00	5.77	27.57	1.03
Illinois	17.71	5.80	--	1.00
Indiana	22.27	5.73	--	1.02
Michigan	18.82	5.84	27.31	1.02
Ohio	23.66	5.78	27.64	1.04
Wisconsin	18.00	5.82	28.30	1.02
West North Central	16.64	5.81	--	1.03
Iowa	17.19	5.79	--	1.03
Kansas	17.24	5.80	--	1.01
Minnesota	17.62	5.78	--	1.03
Missouri	17.67	5.78	--	1.03
Nebraska	17.13	5.80	--	1.03
North Dakota	13.10	5.88	--	--
South Dakota	16.57	6.00	--	1.04
South Atlantic	23.29	5.80	27.93	1.02
Delaware	25.95	5.67	--	1.06
District of Columbia	--	--	--	--
Florida	23.36	5.79	28.54	1.02
Georgia	19.45	5.92	25.35	1.02
Maryland	24.37	5.78	--	1.04
North Carolina	24.74	5.79	--	1.02
South Carolina	25.06	5.90	--	1.02
Virginia	22.30	5.86	--	1.04
West Virginia	24.31	5.73	--	1.04
East South Central	21.09	5.82	28.49	1.02
Alabama	19.91	5.81	--	1.02
Kentucky	22.87	5.79	28.49	1.03
Mississippi	15.26	5.88	--	1.02
Tennessee	20.51	5.76	--	1.01
West South Central	15.90	5.85	28.91	1.03
Arkansas	17.37	5.88	--	1.02
Louisiana	17.06	5.85	28.91	1.03
Oklahoma	17.41	--	--	1.04
Texas	15.14	5.80	--	1.02
Mountain	18.80	5.73	--	1.03
Arizona	19.26	5.52	--	1.03
Colorado	18.96	5.90	--	1.05
Idaho	--	--	--	1.01
Montana	17.02	5.92	--	--
Nevada	17.85	5.83	--	1.03
New Mexico	17.93	5.66	--	1.03
Utah	22.09	5.86	--	1.03
Wyoming	17.72	5.84	--	1.01
Pacific Contiguous	17.35	6.00	--	1.03
California	23.49	--	--	1.03
Oregon	16.72	--	--	1.02
Washington	16.98	6.00	--	1.03
Pacific Noncontiguous	20.74	6.18	--	1.00
Alaska	--	--	--	1.00
Hawaii	20.74	6.18	--	--
U.S. Total	19.31	6.05	28.26	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, 2010 through 2012

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2010**	**2011**	**2012**
Net Generation			
Coal	0.20%	0.15%	0.20%
Petroleum Liquids	1.88%	2.67%	4.25%
Petroleum Coke	1.75%	14.41%	2.45%
Natural Gas	0.76%	0.41%	0.46%
Other Gases	1.55%	2.95%	6.36%
Hydroelectric	0.97%	2.03%	0.70%
Nuclear	0.00%	0.00%	0.00%
Other	0.78%	1.03%	1.08%
Total	**0.17%**	**0.16%**	**0.20%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.11%	0.23%	0.16%
Petroleum Liquids	1.49%	2.90%	4.47%
Petroleum Coke	1.50%	9.93%	3.99%
Natural Gas	0.70%	0.28%	0.37%
Fuel Stocks for Electric Power Sector			
Coal	0.18%	0.46%	0.57%
Petroleum Liquids	0.67%	0.55%	0.64%
Petroleum Coke	3.76%	2.64%	8.22%
Retail Sales			
Residential	0.32%	0.15%	0.16%
Commercial	0.14%	0.66%	0.39%
Industrial	0.90%	1.61%	0.50%
Transportation	2.18%	0.88%	2.44%
Total	**0.17%**	**0.64%**	**0.27%**
Revenue			
Residential	0.70%	0.73%	0.13%
Commercial	0.61%	0.24%	0.20%
Industrial	0.66%	0.58%	0.20%
Transportation	4.24%	0.29%	1.09%
Total	**0.45%**	**0.31%**	**0.13%**
Average Retail Price			
Residential	0.43%	0.66%	0.10%
Commercial	0.67%	0.79%	0.27%
Industrial	0.41%	1.02%	0.39%
Transportation	3.87%	1.08%	1.57%
Total	**0.56%**	**0.90%**	**0.21%**
Receipt of Fossil Fuels			
Coal	0.58%	1.15%	0.99%
Petroleum Liquids	4.09%	5.25%	23.68%
Petroleum Coke	3.77%	16.19%	13.72%
Natural Gas	0.81%	0.52%	10.47%
Cost of Fossil Fuels			
Coal	0.18%	0.31%	0.90%
Petroleum Liquids	0.24%	1.55%	0.53%
Petroleum Coke	2.37%	8.98%	11.66%
Natural Gas	0.20%	0.50%	0.77%

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, 2010 through 2012

Item	2010			2011			2012		
	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	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%	1,517,203	1,514,043	-0.21%
Petroleum Liquids	23,397	23,337	-0.26%	15,840	16,086	1.56%	13,209	13,403	1.47%
Petroleum Coke	13,528	13,724	1.45%	12,322	14,096	14.39%	9,691	9,787	0.99%
Natural Gas	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%	1,230,708	1,225,894	-0.39%
Other Gases	11,193	11,313	1.07%	11,269	11,566	2.64%	11,212	11,898	6.11%
Hydroelectric	252,961	254,702	0.69%	319,162	312,934	-1.95%	271,878	271,290	-0.22%
Nuclear	806,968	806,968	0.00%	790,225	790,204	0.00%	769,331	769,331	0.00%
Other	179,416	180,028	0.34%	206,057	208,135	1.01%	231,253	232,120	0.37%
Total	**4,120,028**	**4,125,060**	**0.12%**	**4,105,734**	**4,100,141**	**-0.14%**	**4,054,485**	**4,047,765**	**-0.17%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	979,555	979,684	0.01%	932,911	934,938	0.22%	826,700	825,734	-0.12%
Petroleum Liquids (1,000 barrels)	40,041	40,103	0.15%	26,728	27,326	2.24%	22,523	22,604	0.36%
Petroleum Coke (1,000 tons)	4,956	4,994	0.76%	4,561	5,012	9.89%	3,552	3,675	3.44%
Natural Gas (1,000 Mcf)	7,633,469	7,680,185	0.61%	7,880,481	7,883,865	0.04%	9,465,207	9,484,710	0.21%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	175,160	174,917	-0.14%	175,100	172,387	-1.55%	184,923	185,116	0.10%
Petroleum Liquids (1,000 barrels)	36,126	35,706	-1.16%	35,260	34,847	-1.17%	31,897	32,224	1.03%
Petroleum Coke (1,000 tons)	1,087	1,019	-6.31%	470	508	8.17%	495	495	-0.01%
Retail Sales (Million kWh)									
Residential	1,450,758	1,445,708	-0.35%	1,423,700	1,422,801	-0.06%	1,374,594	1,374,515	-0.01%
Commercial	1,329,322	1,330,199	0.07%	1,319,288	1,328,057	0.66%	1,323,844	1,327,101	0.25%
Industrial	962,165	970,873	0.91%	975,569	991,316	1.61%	980,837	985,714	0.50%
Transportation	7,740	7,712	-0.35%	7,606	7,672	0.87%	7,504	7,320	-2.45%
Total	**3,749,985**	**3,754,493**	**0.12%**	**3,726,163**	**3,749,846**	**0.64%**	**3,686,780**	**3,694,650**	**0.21%**
Revenue (Million Dollars)									
Residential	167,957	166,782	-0.70%	167,930	166,714	-0.72%	163,352	163,280	-0.04%
Commercial	136,361	135,559	-0.59%	136,138	135,926	-0.16%	133,908	133,898	-0.01%
Industrial	65,311	65,750	0.67%	67,212	67,606	0.59%	65,691	65,761	0.11%
Transportation	848	815	-3.94%	805	803	-0.25%	754	747	-0.90%
Total	**370,477**	**368,906**	**-0.42%**	**372,084**	**371,049**	**-0.28%**	**363,705**	**363,687**	**0.00%**
Average Retail Price (Cents/kWh)									
Residential	11.58	11.54	-0.35%	11.80	11.72	-0.66%	11.88	11.88	-0.04%
Commercial	10.26	10.19	-0.65%	10.32	10.23	-0.81%	10.12	10.09	-0.25%
Industrial	6.79	6.77	-0.23%	6.89	6.82	-1.01%	6.70	6.67	-0.39%
Transportation	10.96	10.57	-3.61%	10.58	10.46	-1.11%	10.05	10.21	1.59%
Total	**9.88**	**9.83**	**-0.54%**	**9.99**	**9.90**	**-0.91%**	**9.87**	**9.84**	**-0.22%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	976,052	979,918	0.40%	945,581	956,538	1.16%	849,667	841,183	-1.00%
Petroleum Liquids (1,000 barrels)	46,156	45,472	-1.48%	34,342	36,158	5.29%	25,485	19,464	-23.63%
Petroleum Coke (1,000 tons)	5,868	5,963	1.61%	5,163	5,980	15.82%	4,858	4,180	-13.95%
Natural Gas (1,000 Mcf)	8,605,619	8,673,070	0.78%	9,025,066	9,056,164	0.34%	10,631,822	9,531,389	-10.35%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.27	2.27	0.10%	2.40	2.39	-0.25%	2.40	2.38	-0.89%
Petroleum Liquids (1,000 barrels)	14.03	14.02	-0.06%	20.10	19.94	-0.76%	21.82	21.85	0.12%
Petroleum Coke (1,000 tons)	2.23	2.28	2.36%	2.80	3.03	8.27%	2.54	2.24	-11.90%
Natural Gas (1,000 Mcf)	5.08	5.09	0.20%	4.71	4.72	0.41%	3.40	3.42	0.64%

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 2012 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.