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Preface

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

Background

The Office of Electricity, Renewables & Uranium Statistics, U.S. EIA, U.S. Department of Energy, prepares the EPM. This publication provides monthly statistics at the State (lowest level of aggregation), Census Division, and U.S. levels for net generation, fossil fuel consumption and stocks, cost, quantity, and quality of fossil fuels received, electricity retail sales, associated revenue, and average price of electricity sold. In addition, the report contains rolling 12-month totals in the national overviews, as appropriate.

Data sources

The EPM contains information from the following data sources: Form EIA-923, "Power Plant Operations Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-860, "Annual Electric Generator Report;" Form EIA-860M, "Monthly Update to the Annual Electric Generator Report;" and Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from: http://www.eia.gov/survey/#electricity. A detailed description of these forms and associated algorithms are found in Appendix C, “Technical Notes.”

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				Electric Utilities		Independent Power Producers					
Fuel	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Net Generation (Thousand Megawatthours)											
Coal	119,535	121,431	-1.6%	89,054	92,366	29,426	27,924	54	51	1,000	1,090
Petroleum Liquids	972	956	1.7%	671	706	245	210	NM	16	40	25
Petroleum Coke	751	851	-11.7%	572	609	90	149	1	0	89	93
Natural Gas	83,614	83,110	0.6%	35,211	34,008	40,908	41,189	515	528	6,980	7,385
Other Gas	1,020	1,064	-4.1%	7	12	341	320	0	0	671	731
Nuclear	65,140	64,975	0.3%	34,552	32,939	30,589	32,037	0	0	0	0
Hydroelectric Conventional	18,647	17,732	5.2%	16,968	16,052	1,450	1,475	NM	NM	226	204
Renewable Sources Excluding Hydroelectric	26,980	23,002	17.3%	3,511	2,968	20,865	17,406	239	240	2,365	2,387
... Wind	18,997	15,888	19.6%	2,990	2,539	15,990	13,340	NM	NM	NM	NM
... Solar Thermal and Photovoltaic	1,387	750	84.9%	83	59	1,276	669	26	21	NM	NM
... Wood and Wood-Derived Fuels	3,533	3,413	3.5%	225	228	1,033	895	NM	5	2,271	2,285
... Other Biomass	1,674	1,652	1.4%	120	118	1,271	1,228	197	209	87	97
... Geothermal	1,388	1,298	6.9%	93	24	1,294	1,274	0	0	0	0
Hydroelectric Pumped Storage	-506	-345	46.7%	-415	-262	-90	-82	0	0	0	0
Other Energy Sources	1,023	975	4.9%	42	35	562	537	100	91	319	312
All Energy Sources	317,176	313,752	1.1%	180,173	179,433	124,387	121,164	928	928	11,689	12,227
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	64,688	65,902	-1.8%	47,418	49,712	16,892	15,797	23	22	355	371
Petroleum Liquids (1000 barrels)	1,635	1,583	3.3%	1,244	1,249	325	282	20	16	46	36
Petroleum Coke (1000 tons)	281	309	-8.8%	221	217	33	61	0	0	26	30
Natural Gas (1000 Mcf)	627,008	629,045	-0.3%	272,947	267,622	299,757	303,282	4,795	5,004	49,509	53,136
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,398	1,585	-11.8%	0	0	168	179	92	98	1,138	1,308
Petroleum Liquids (1000 barrels)	252	212	19.0%	0	0	93	88	9	8	150	116
Petroleum Coke (1000 tons)	92	111	-17.6%	0	0	9	9	2	1	81	101
Natural Gas (1000 Mcf)	71,711	74,937	-4.3%	0	0	26,449	27,288	3,801	4,237	41,461	43,412
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	66,086	67,487	-2.1%	47,418	49,712	17,060	15,976	115	120	1,493	1,679
Petroleum Liquids (1000 barrels)	1,887	1,795	5.1%	1,244	1,249	419	370	28	24	196	152
Petroleum Coke (1000 tons)	373	420	-11.1%	221	217	42	71	2	1	107	131
Natural Gas (1000 Mcf)	698,720	703,981	-0.7%	272,947	267,622	326,207	330,570	8,596	9,241	90,971	96,549
Fuel Stocks (end-of-month)											
Coal (1000 tons)	144,689	158,327	-8.6%	109,948	126,278	31,794	29,477	245	295	2,701	2,278
Petroleum Liquids (1000 barrels)	33,561	33,676	-0.3%	20,652	21,773	10,341	9,397	339	375	2,229	2,132
Petroleum Coke (1000 tons)	846	698	21.2%	W	250	W	87	W	W	W	W

Sales, Revenue, and Average Retail Price for November									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	November 2014	November 2013	Percentage Change	November 2014	November 2013	Percentage Change	November 2014	November 2013	Percentage Change
Residential	99,148	97,812	1.4%	12,354	11,827	4.5%	12.46	12.09	3.1%
Commercial	104,415	103,449	0.9%	11,013	10,470	5.2%	10.55	10.12	4.2%
Industrial	77,802	77,536	0.3%	5,188	5,111	1.5%	6.67	6.59	1.2%
Transportation	638	562	13.4%	64	58	10.1%	10.11	10.40	-2.8%
All Sectors	282,002	279,359	0.9%	28,619	27,466	4.2%	10.15	9.83	3.3%

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 are preliminary. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2014 and 2013

Net Generation and Consumption of Fuels for January through November											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
Net Generation (Thousand Megawatthours)											
Coal	1,463,297	1,443,694	1.4%	1,105,550	1,084,945	344,953	346,138	740	730	12,054	11,882
Petroleum Liquids	17,479	11,989	45.8%	10,184	8,215	6,500	3,152	NM	NM	458	407
Petroleum Coke	10,692	12,448	-14.1%	8,180	8,779	1,277	1,702	8	5	1,227	1,962
Natural Gas	1,025,052	1,021,889	0.3%	437,181	434,366	505,965	502,259	5,907	5,785	75,999	79,479
Other Gas	10,523	11,223	-6.2%	79	61	3,399	2,958	0	0	7,046	8,203
Nuclear	723,705	717,723	0.8%	381,345	368,702	342,360	349,021	0	0	0	0
Hydroelectric Conventional	236,312	247,814	-4.6%	213,893	224,211	20,000	20,533	35	33	2,383	3,037
Renewable Sources Excluding Hydroelectric	255,824	231,747	10.4%	31,303	28,817	195,263	174,023	2,830	2,651	26,429	26,256
... Wind	167,044	153,564	8.8%	25,388	23,583	141,522	129,893	94	58	41	31
... Solar Thermal and Photovoltaic	17,360	8,515	103.9%	1,176	933	15,761	7,269	401	293	23	20
... Wood and Wood-Derived Fuels	38,645	36,315	6.4%	2,451	2,080	10,641	8,948	70	26	25,484	25,260
... Other Biomass	17,844	18,260	-2.3%	1,264	1,315	13,433	13,725	2,266	2,275	881	946
... Geothermal	14,931	15,093	-1.1%	1,024	905	13,907	14,188	0	0	0	0
Hydroelectric Pumped Storage	-5,322	-4,022	32.3%	-4,383	-3,276	-940	-746	0	0	0	0
Other Energy Sources	11,089	11,349	-2.3%	404	372	5,984	6,262	1,098	1,049	3,603	3,667
All Energy Sources	3,748,649	3,705,853	1.2%	2,183,736	2,155,191	1,424,761	1,405,302	10,955	10,467	129,198	134,893
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	788,016	783,506	0.6%	585,620	582,529	197,796	196,470	270	284	4,331	4,223
Petroleum Liquids (1000 barrels)	29,540	20,398	44.8%	18,312	15,012	10,243	4,663	496	264	490	458
Petroleum Coke (1000 tons)	3,967	4,514	-12.1%	3,033	3,137	541	729	2	1	392	647
Natural Gas (1000 Mcf)	7,785,938	7,818,257	-0.4%	3,419,213	3,468,552	3,771,621	3,723,401	55,046	54,180	540,057	572,125
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	16,289	16,933	-3.8%	0	0	2,148	2,308	953	994	13,188	13,630
Petroleum Liquids (1000 barrels)	3,137	2,671	17.4%	0	0	1,078	951	235	127	1,824	1,593
Petroleum Coke (1000 tons)	778	1,012	-23.1%	0	0	80	100	14	9	684	902
Natural Gas (1000 Mcf)	803,343	811,808	-1.0%	0	0	301,411	299,517	41,612	42,070	460,321	470,221
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	804,306	800,439	0.5%	585,620	582,529	199,944	198,779	1,223	1,278	17,520	17,853
Petroleum Liquids (1000 barrels)	32,677	23,069	41.6%	18,312	15,012	11,321	5,614	731	392	2,314	2,051
Petroleum Coke (1000 tons)	4,745	5,526	-14.1%	3,033	3,137	621	829	16	11	1,075	1,550
Natural Gas (1000 Mcf)	8,589,281	8,630,066	-0.5%	3,419,213	3,468,552	4,073,032	4,022,918	96,658	96,250	1,000,379	1,042,346

Sales, Revenue, and Average Retail Price for January through November									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	Percentage Change
Residential	1,284,718	1,262,733	1.7%	160,975	153,501	4.9%	12.53	12.16	3.0%
Commercial	1,247,925	1,229,599	1.5%	134,440	126,917	5.9%	10.77	10.32	4.4%
Industrial	881,520	878,521	0.3%	62,235	60,063	3.6%	7.06	6.84	3.2%
Transportation	7,187	6,860	4.8%	740	706	4.9%	10.30	10.29	0.1%
All Sectors	3,421,349	3,377,713	1.3%	358,390	341,186	5.0%	10.48	10.10	3.8%

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

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2014 and 2013

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal (1000 tons)	69,402	66,194	44.59	45.34	333	326	760,496	736,193	45.89	45.53
Petroleum Liquids (1000 barrels)	2,934	2,094	99.41	122.55	213	186	25,372	18,525	124.75	124.76
Petroleum Coke (1000 tons)	421	332	52.32	56.57	11	9	4,504	4,122	55.56	62.14
Natural Gas (1000 Mcf)	625,622	623,987	4.62	4.30	723	701	7,736,197	7,770,679	5.19	4.38

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal (1000 tons)	50,949	48,528	45.73	46.37	237	236	553,734	537,881	46.92	46.60
Petroleum Liquids (1000 barrels)	1,240	1,033	107.59	131.57	125	117	14,216	11,620	127.43	128.36
Petroleum Coke (1000 tons)	354	262	48.51	53.23	8	6	3,849	3,120	53.52	60.88
Natural Gas (1000 Mcf)	265,491	256,260	4.90	4.56	375	357	3,321,659	3,360,438	5.36	4.56

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal (1000 tons)	17,698	16,898	40.37	41.26	71	70	198,430	190,236	42.06	41.41
Petroleum Liquids (1000 barrels)	1,670	1,049	93.19	113.03	75	56	10,870	6,597	121.46	118.78
Petroleum Coke (1000 tons)	36	52	W	W	1	1	435	519	W	W
Natural Gas (1000 Mcf)	302,247	305,625	4.43	4.14	301	301	3,779,827	3,746,994	5.11	4.29

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal (1000 tons)	10	9	W	W	2	1	151	140	W	W
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	471	524	W	W	2	2	5,080	4,859	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal (1000 tons)	745	760	W	W	23	19	8,180	7,935	W	W
Petroleum Liquids (1000 barrels)	25	12	105.86	123.01	13	13	286	309	112.84	113.23
Petroleum Coke (1000 tons)	31	17	W	W	2	2	220	482	W	W
Natural Gas (1000 Mcf)	57,413	61,578	W	W	45	41	629,631	658,388	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.
.... 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.

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2014 and 2013

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal	1,345,266	1,285,565	2.30	2.33	333	326	14,835,533	14,276,733	2.35	2.35
Petroleum Liquids	17,640	12,749	16.53	20.10	213	186	153,051	112,546	20.67	20.53
Petroleum Coke	11,980	9,462	1.84	1.98	11	9	127,924	117,488	1.96	2.18
Natural Gas	645,350	640,042	4.48	4.19	723	701	7,961,148	7,966,344	5.04	4.28
Fossil Fuels	2,020,237	1,947,818	3.06	3.01	935	918	23,077,657	22,473,111	3.34	3.08

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal	1,000,204	949,052	2.33	2.37	237	236	10,931,479	10,529,578	2.38	2.38
Petroleum Liquids	7,528	6,293	17.71	21.60	125	117	86,117	70,885	21.03	21.04
Petroleum Coke	10,079	7,486	1.70	1.87	8	6	109,499	89,304	1.88	2.13
Natural Gas	273,664	262,233	4.75	4.46	375	357	3,412,488	3,435,630	5.21	4.46
Fossil Fuels	1,291,475	1,225,064	2.92	2.91	518	508	14,539,583	14,125,396	3.14	2.97

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal	327,954	318,976	2.18	2.19	71	70	3,715,700	3,564,150	2.25	2.21
Petroleum Liquids	9,964	6,387	15.61	18.51	75	56	65,173	39,760	20.23	19.69
Petroleum Coke	1,066	1,490	W	W	1	1	12,261	14,611	W	W
Natural Gas	311,785	313,805	4.30	4.04	301	301	3,893,238	3,847,543	4.96	4.18
Fossil Fuels	650,770	640,659	W	W	366	363	7,686,372	7,466,065	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal	229	202	W	W	2	1	3,482	3,253	W	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	476	529	W	W	2	2	5,127	4,899	W	W
Fossil Fuels	705	732	W	W	2	2	8,609	8,152	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	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
Coal	16,880	17,334	W	W	23	19	184,872	179,752	W	W
Petroleum Liquids	148	69	17.58	20.57	13	13	1,761	1,901	18.34	18.37
Petroleum Coke	835	486	W	W	2	2	6,164	13,573	W	W
Natural Gas	59,425	63,475	W	W	45	41	650,295	678,272	W	W
Fossil Fuels	77,287	81,364	W	W	49	45	843,092	873,498	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.

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2004-November 2014
(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											
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
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
2014											
January	157,699	5,945	1,184	90,489	947	73,064	21,616	25,378	-263	960	377,019
February	143,908	1,830	959	74,987	760	62,639	17,430	20,731	-419	838	323,662
March	137,004	2,056	1,227	77,506	845	62,397	24,243	25,713	-398	1,001	331,595
April	109,686	897	833	75,975	778	56,385	25,075	26,540	-362	960	296,766
May	119,483	958	1,048	87,700	926	62,947	26,442	23,798	-603	1,031	323,731
June	138,241	904	1,118	97,466	960	68,138	25,854	24,318	-611	1,031	357,419
July	150,134	1,014	1,023	113,916	1,081	71,940	24,268	20,859	-467	1,071	384,839
August	149,006	1,048	1,007	121,176	1,072	71,129	19,786	18,934	-769	1,105	383,494
Sept	126,634	944	958	105,527	1,106	67,535	15,901	19,833	-505	1,044	338,976
October	111,967	910	584	96,695	1,029	62,391	17,051	22,742	-421	1,025	313,972
November	119,535	972	751	83,614	1,020	65,140	18,647	26,980	-506	1,023	317,176
Year to Date											
2012	1,379,964	12,167	8,987	1,141,905	10,935	700,748	253,257	196,931	-4,374	12,611	3,713,130
2013	1,443,694	11,989	12,448	1,021,889	11,223	717,723	247,814	231,747	-4,022	11,349	3,705,853
2014	1,463,297	17,479	10,692	1,025,052	10,523	723,705	236,312	255,824	-5,322	11,089	3,748,649
Rolling 12 Months Ending in November											
2013	1,577,773	13,224	13,248	1,105,878	12,185	786,307	270,797	253,149	-4,598	12,525	4,040,488
2014	1,605,601	18,900	11,697	1,116,829	11,571	794,998	257,634	277,405	-5,724	12,095	4,101,006

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 and 2014 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), 2004-November 2014
(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										
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
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
2014										
January	17,989	718	57	3,635	764	578	240	1,396	21,616	46,994
February	14,001	775	83	3,271	653	495	195	1,257	17,430	38,161
March	17,779	1,172	183	3,574	789	619	220	1,376	24,243	49,956
April	18,747	1,379	228	3,219	782	607	220	1,359	25,075	51,614
May	15,532	1,596	284	3,373	788	634	206	1,385	26,442	50,240
June	15,691	1,713	348	3,634	775	617	205	1,336	25,854	50,172
July	12,096	1,610	264	3,788	853	658	226	1,364	24,268	45,128
August	10,187	1,674	263	3,712	867	659	214	1,357	19,786	38,720
Sept	11,473	1,665	260	3,461	812	616	204	1,342	15,901	35,734
October	14,552	1,468	234	3,444	823	609	239	1,373	17,051	39,792
November	18,997	1,239	148	3,533	817	617	241	1,388	18,647	45,626
Year to Date										
2012	126,297	3,118	860	34,434	8,912	6,681	2,457	14,172	253,257	450,188
2013	153,564	7,636	878	36,315	8,980	6,719	2,560	15,093	247,814	479,561
2014	167,044	15,010	2,351	38,645	8,723	6,709	2,411	14,931	236,312	492,136
Rolling 12-Month Ending in November										
2013	168,089	7,969	894	39,679	9,871	7,359	2,804	16,483	270,797	523,946
2014	181,145	15,700	2,398	42,268	9,536	7,338	2,666	16,354	257,634	535,039

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 and 2014 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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Table 1.2. Net Generation by Energy Source: Electric Utilities, 2004-November 2014
(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											
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
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
2014											
January	118,921	2,476	949	38,954	12	38,748	19,194	3,337	-192	28	222,427
February	106,997	1,044	706	31,073	7	32,937	15,578	2,699	-335	18	190,724
March	101,124	1,036	953	32,918	7	32,612	22,152	3,353	-331	37	193,861
April	80,151	690	572	32,544	18	30,312	22,632	3,370	-285	34	170,037
May	91,044	722	825	40,018	10	33,760	23,837	2,726	-508	38	192,471
June	107,008	658	885	42,270	3	35,898	23,601	2,736	-515	44	212,588
July	115,305	731	782	48,098	4	38,031	22,240	2,355	-386	48	227,208
August	114,987	746	770	52,076	4	37,182	17,952	1,986	-668	43	225,079
Sept	96,089	747	712	43,956	3	35,296	14,411	2,325	-423	41	193,157
October	84,871	663	456	40,065	3	32,017	15,328	2,904	-324	31	176,012
November	89,054	671	572	35,211	7	34,552	16,968	3,511	-415	42	180,173
Year to Date											
2012	1,045,112	9,137	5,231	469,419	0	361,167	232,003	25,364	-3,703	558	2,144,288
2013	1,084,945	8,215	8,779	434,366	61	368,702	224,211	28,817	-3,276	372	2,155,191
2014	1,105,550	10,184	8,180	437,181	79	381,345	213,893	31,303	-4,383	404	2,183,736
Rolling 12 Months Ending in November											
2013	1,186,313	8,971	9,213	469,905	61	402,358	245,144	31,469	-3,775	417	2,350,075
2014	1,211,274	10,991	8,923	476,021	86	418,757	232,921	34,130	-4,689	440	2,388,855

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 and 2014 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, 2004-November 2014
(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											
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
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
2014											
January	37,449	3,245	111	43,495	292	34,316	2,073	19,335	-72	518	140,762
February	35,694	689	123	36,815	234	29,702	1,601	15,599	-84	457	120,830
March	34,631	919	129	36,953	233	29,785	1,882	19,680	-66	567	124,713
April	28,501	165	141	36,430	214	26,072	2,258	20,540	-77	511	114,756
May	27,345	194	125	40,714	327	29,187	2,404	18,382	-95	557	119,140
June	30,020	200	107	47,982	299	32,240	2,054	18,871	-96	550	132,227
July	33,579	235	129	57,909	344	33,909	1,854	15,632	-81	573	144,083
August	32,832	250	123	61,178	366	33,946	1,627	14,177	-101	580	144,981
Sept	29,412	153	145	54,105	372	32,238	1,297	14,915	-81	547	133,104
October	26,063	206	52	49,475	377	30,374	1,500	17,267	-97	560	125,778
November	29,426	245	90	40,908	341	30,589	1,450	20,865	-90	562	124,387
Year to Date											
2012	322,522	2,342	1,625	587,438	2,731	339,581	19,061	144,025	-671	6,419	1,425,073
2013	346,138	3,152	1,702	502,259	2,958	349,021	20,533	174,023	-746	6,262	1,405,302
2014	344,953	6,500	1,277	505,965	3,399	342,360	20,000	195,263	-940	5,984	1,424,761
Rolling 12 Months Ending in November											
2013	377,692	3,567	1,836	542,653	3,211	383,949	22,395	190,062	-823	6,872	1,531,414
2014	380,326	7,043	1,429	550,461	3,717	376,241	21,967	211,242	-1,035	6,548	1,557,941

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 and 2014 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.
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Table 1.4. Net Generation by Energy Source: Commerical Sector, 2004-November 2014
(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											
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
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
2014											
January	105	NM	1	564	0	0	NM	245	0	91	1,137
February	97	NM	1	516	0	0	NM	206	0	77	943
March	88	NM	1	514	0	0	NM	250	0	93	995
April	62	16	1	488	0	0	NM	262	0	100	934
May	57	16	0	495	0	0	NM	263	0	103	937
June	68	14	0	535	0	0	NM	274	0	103	998
July	69	15	0	581	0	0	NM	288	0	112	1,069
August	54	15	1	596	0	0	NM	285	0	114	1,069
Sept	49	14	1	566	0	0	NM	267	0	108	1,006
October	37	16	1	537	0	0	NM	251	0	96	940
November	54	NM	1	515	0	0	NM	239	0	100	928
Year to Date											
2012	806	176	5	6,120	0	0	25	2,326	0	955	10,413
2013	730	NM	5	5,785	0	0	33	2,651	0	1,049	10,467
2014	740	NM	8	5,907	0	0	35	2,830	0	1,098	10,955
Rolling 12 Months Ending in November											
2013	807	NM	5	6,268	0	0	NM	2,871	0	1,140	11,354
2014	809	NM	8	6,474	0	0	NM	3,082	0	1,192	11,968

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 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.5. Net Generation by Energy Source: Industrial Sector, 2004-November 2014
(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											
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
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
2014											
January	1,225	98	124	7,476	643	0	344	2,461	0	323	12,694
February	1,121	53	129	6,583	519	0	247	2,228	0	286	11,166
March	1,162	55	144	7,121	605	0	205	2,430	0	304	12,026
April	971	NM	119	6,514	546	0	181	2,368	0	314	11,039
May	1,038	27	NM	6,473	590	0	197	2,426	0	333	11,182
June	1,146	32	127	6,679	657	0	196	2,437	0	334	11,607
July	1,180	32	111	7,328	733	0	172	2,584	0	338	12,478
August	1,132	37	113	7,326	702	0	204	2,485	0	367	12,366
Sept	1,084	31	100	6,901	730	0	190	2,325	0	348	11,709
October	995	26	74	6,619	649	0	220	2,320	0	338	11,242
November	1,000	40	89	6,980	671	0	226	2,365	0	319	11,689
Year to Date											
2012	11,524	512	2,126	78,927	8,204	0	2,167	25,217	0	4,678	133,355
2013	11,882	407	1,962	79,479	8,203	0	3,037	26,256	0	3,667	134,893
2014	12,054	458	1,227	75,999	7,046	0	2,383	26,429	0	3,603	129,198
Rolling 12 Months Ending in November											
2013	12,961	458	2,194	87,052	8,913	0	3,223	28,747	0	4,097	147,644
2014	13,192	NM	NM	83,872	7,768	0	2,708	28,950	0	3,915	142,242

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 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.6.A. Net Generation
by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	8,294	8,917	-7.0%	325	203	7,588	8,177	107	96	273	442
Connecticut	2,484	2,836	-12.4%	NM	NM	2,426	2,784	35	NM	NM	NM
Maine	1,118	1,149	-2.7%	NM	NM	861	776	19	18	238	354
Massachusetts	2,156	2,420	-10.9%	36	39	2,062	2,279	45	41	NM	61
New Hampshire	1,621	1,532	5.8%	209	84	1,404	1,440	NM	NM	NM	NM
Rhode Island	375	366	2.5%	1	1	370	362	NM	NM	0	0
Vermont	540	615	-12.2%	75	76	464	537	NM	NM	0	NM
Middle Atlantic	33,368	32,565	2.5%	2,825	2,899	30,085	29,186	152	160	306	320
New Jersey	5,345	4,918	8.7%	-33	-10	5,314	4,832	46	45	NM	50
New York	11,039	10,742	2.8%	2,823	2,859	8,059	7,737	76	89	80	57
Pennsylvania	16,984	16,905	0.5%	35	49	16,712	16,617	30	26	207	212
East North Central	50,093	49,848	0.5%	24,127	25,042	24,978	23,813	159	141	830	852
Illinois	17,681	16,448	7.5%	872	853	16,546	15,336	45	39	217	220
Indiana	8,871	8,957	-1.0%	7,470	7,640	1,142	1,053	15	13	245	251
Michigan	8,254	8,817	-6.4%	6,324	7,007	1,740	1,629	69	62	121	119
Ohio	10,598	10,676	-0.7%	6,343	6,062	4,155	4,480	NM	NM	78	114
Wisconsin	4,690	4,949	-5.2%	3,118	3,480	1,395	1,314	NM	NM	169	148
West North Central	27,779	27,009	2.9%	23,255	22,730	4,115	3,868	44	47	364	364
Iowa	4,696	4,453	5.5%	3,637	3,004	864	1,239	20	17	176	192
Kansas	4,191	3,962	5.8%	3,191	3,191	988	768	0	0	NM	NM
Minnesota	4,786	4,337	10.3%	3,719	3,308	931	899	NM	NM	120	114
Missouri	6,131	7,287	-15.9%	5,887	7,131	231	140	7	12	NM	NM
Nebraska	3,391	3,109	9.1%	3,008	2,884	346	188	NM	NM	35	36
North Dakota	3,460	2,900	19.3%	2,927	2,472	519	413	NM	NM	14	NM
South Dakota	1,124	962	16.9%	888	740	236	221	NM	NM	0	0
South Atlantic	60,018	58,838	2.0%	49,091	47,733	9,329	9,527	84	81	1,514	1,497
Delaware	611	529	15.4%	NM	NM	518	452	NM	NM	92	76
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	16,563	16,545	0.1%	15,201	15,048	946	1,076	NM	NM	408	416
Georgia	9,651	9,175	5.2%	8,245	8,313	996	482	NM	NM	407	377
Maryland	2,631	2,906	-9.5%	NM	NM	2,573	2,860	NM	NM	31	25
North Carolina	10,228	10,101	1.3%	8,871	9,010	1,206	895	NM	10	146	186
South Carolina	7,457	6,840	9.0%	7,190	6,568	126	127	NM	NM	141	145
Virginia	6,198	6,178	0.3%	5,337	4,918	641	1,045	36	37	184	178
West Virginia	6,674	6,559	1.7%	4,245	3,875	2,323	2,591	0	0	105	94
East South Central	29,077	27,548	5.5%	24,059	23,838	4,121	2,851	NM	NM	880	844
Alabama	12,003	11,898	0.9%	8,278	9,168	3,401	2,385	0	0	325	345
Kentucky	7,309	6,539	11.8%	7,253	6,483	NM	NM	0	0	55	55
Mississippi	3,986	3,915	1.8%	3,025	3,254	707	455	NM	NM	252	204
Tennessee	5,779	5,197	11.2%	5,504	4,933	13	10	NM	NM	248	240
West South Central	50,066	50,292	-0.4%	17,315	17,621	26,730	26,525	69	56	5,952	6,090
Arkansas	4,682	4,214	11.1%	3,900	3,509	610	551	NM	NM	171	154
Louisiana	8,136	7,938	2.5%	4,238	3,560	1,482	1,760	NM	NM	2,413	2,614
Oklahoma	5,019	5,569	-9.9%	3,413	3,981	1,540	1,513	NM	0	63	75
Texas	32,229	32,572	-1.1%	5,764	6,571	23,098	22,701	62	51	3,305	3,248
Mountain	28,969	28,406	2.0%	22,279	22,435	6,485	5,677	28	30	178	264
Arizona	8,060	7,245	11.2%	6,749	6,182	1,302	1,053	NM	10	0	0
Colorado	4,300	4,218	2.0%	3,078	3,299	1,215	911	NM	NM	NM	5
Idaho	1,091	1,146	-4.8%	641	639	421	461	0	0	28	45
Montana	2,634	2,093	25.8%	641	607	1,992	1,486	0	0	NM	NM
Nevada	2,711	2,573	5.3%	1,915	1,736	783	807	NM	7	NM	23
New Mexico	2,319	3,040	-23.7%	2,044	2,532	270	502	NM	7	NM	NM
Utah	3,703	3,576	3.6%	3,515	3,327	153	157	NM	3	31	88
Wyoming	4,153	4,514	-8.0%	3,696	4,114	349	300	0	0	107	100
Pacific Contiguous	28,229	28,995	-2.6%	16,057	16,017	10,589	11,196	226	260	1,357	1,523
California	14,428	15,581	-7.4%	5,005	5,340	8,014	8,634	221	254	1,188	1,353
Oregon	5,068	4,880	3.8%	3,627	3,406	1,388	1,417	NM	NM	49	52
Washington	8,733	8,534	2.3%	7,425	7,270	1,187	1,145	NM	NM	120	118
Pacific Noncontiguous	1,282	1,334	-3.9%	839	914	365	345	42	43	35	31
Alaska	492	520	-5.4%	452	479	23	24	11	11	NM	NM
Hawaii	790	813	-2.9%	387	436	342	321	31	32	29	24
U.S. Total	317,176	313,752	1.1%	180,173	179,433	124,387	121,164	928	928	11,689	12,227

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

Table 1.6.B. Net Generation

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	102,205	106,528	-4.1%	3,546	3,428	93,608	97,043	1,261	1,130	3,790	4,927
Connecticut	30,176	32,290	-6.5%	44	41	29,492	31,627	350	333	290	288
Maine	12,305	12,746	-3.5%	NM	NM	9,146	8,627	230	216	2,928	3,902
Massachusetts	29,538	31,276	-5.6%	741	601	27,732	29,529	539	467	526	679
New Hampshire	17,794	17,954	-0.9%	1,930	1,943	15,752	15,916	NM	63	NM	NM
Rhode Island	5,831	6,002	-2.8%	5	10	5,769	5,945	NM	47	0	0
Vermont	6,561	6,260	4.8%	825	833	5,717	5,399	NM	NM	NM	NM
Middle Atlantic	389,216	390,417	-0.3%	31,896	31,331	351,765	353,438	1,825	1,874	3,729	3,773
New Jersey	61,371	59,540	3.1%	-159	-107	60,509	58,481	543	538	478	628
New York	124,779	123,652	0.9%	31,037	30,451	91,897	91,352	957	1,013	889	836
Pennsylvania	203,065	207,225	-2.0%	1,018	988	199,360	203,606	325	324	2,362	2,309
East North Central	565,987	563,134	0.5%	295,444	292,853	259,319	258,985	1,824	1,702	9,401	9,594
Illinois	184,261	184,480	-0.1%	9,577	10,558	171,762	171,104	466	440	2,456	2,378
Indiana	106,139	100,107	6.0%	93,100	87,167	10,085	9,839	199	204	2,755	2,897
Michigan	96,787	95,126	1.7%	76,328	75,091	18,308	17,944	808	766	1,342	1,325
Ohio	123,598	123,827	-0.2%	76,881	77,999	45,409	44,341	260	251	1,049	1,235
Wisconsin	55,202	59,594	-7.4%	39,558	42,038	13,755	15,757	90	41	1,799	1,759
West North Central	310,082	302,086	2.6%	267,046	261,751	38,427	35,886	546	510	4,063	3,940
Iowa	51,683	51,794	-0.2%	38,792	38,262	10,611	11,330	218	194	2,062	2,007
Kansas	46,038	44,319	3.9%	36,766	36,319	9,179	7,924	0	0	94	76
Minnesota	51,355	46,387	10.7%	41,752	37,158	8,122	7,801	157	148	1,323	1,279
Missouri	80,732	84,176	-4.1%	78,343	81,903	2,169	2,063	157	153	64	57
Nebraska	36,202	33,753	7.3%	33,578	31,943	2,225	1,422	15	15	385	373
North Dakota	33,328	32,167	3.6%	29,118	28,585	4,074	3,434	NM	NM	136	148
South Dakota	10,744	9,491	13.2%	8,696	7,580	2,048	1,911	NM	NM	0	0
South Atlantic	723,062	693,448	4.3%	591,486	566,307	113,901	109,147	978	864	16,696	17,130
Delaware	6,794	7,083	-4.1%	NM	NM	5,996	6,182	NM	NM	781	888
District of Columbia	NM	55	NM	0	0	0	0	NM	55	0	0
Florida	213,355	202,997	5.1%	195,922	185,118	12,760	13,020	63	61	4,610	4,798
Georgia	116,220	110,509	5.2%	100,984	97,211	10,945	8,897	31	30	4,260	4,370
Maryland	34,972	32,190	8.6%	22	19	34,312	31,629	305	239	334	303
North Carolina	117,571	114,343	2.8%	104,012	100,142	11,629	11,881	103	62	1,827	2,259
South Carolina	88,770	86,852	2.2%	85,583	83,639	1,377	1,552	NM	NM	1,808	1,659
Virginia	71,067	70,201	1.2%	57,857	58,161	10,758	9,824	415	411	2,038	1,804
West Virginia	74,256	69,216	7.3%	47,092	42,008	26,125	26,161	0	0	1,039	1,048
East South Central	342,852	340,190	0.8%	294,794	294,550	38,080	35,468	186	181	9,792	9,992
Alabama	136,602	137,493	-0.6%	102,672	104,441	30,057	29,056	0	0	3,873	3,997
Kentucky	82,735	81,689	1.3%	82,035	81,079	152	205	0	0	547	406
Mississippi	50,185	48,402	3.7%	39,693	39,630	7,768	6,115	NM	NM	2,705	2,639
Tennessee	73,331	72,605	1.0%	70,393	69,400	103	92	168	162	2,666	2,950
West South Central	619,039	611,720	1.2%	226,090	223,604	328,837	320,846	731	698	63,382	66,573
Arkansas	57,025	55,370	3.0%	44,608	41,710	10,731	11,883	NM	NM	1,680	1,772
Louisiana	95,152	92,429	2.9%	49,031	45,575	20,795	19,930	38	39	25,287	26,884
Oklahoma	64,621	67,083	-3.7%	44,193	48,602	19,637	17,643	20	NM	771	824
Texas	402,242	396,839	1.4%	88,257	87,717	277,674	271,390	667	639	35,644	37,093
Mountain	340,703	342,505	-0.5%	266,356	268,045	71,434	71,253	342	343	2,572	2,865
Arizona	102,115	100,846	1.3%	85,565	83,730	16,437	17,003	114	114	0	0
Colorado	49,239	48,497	1.5%	37,392	37,109	11,751	11,292	41	35	54	61
Idaho	14,506	14,475	0.2%	9,554	9,396	4,520	4,610	0	0	432	469
Montana	27,434	25,331	8.3%	8,054	6,915	19,370	18,406	0	0	NM	9
Nevada	33,315	33,446	-0.4%	23,630	23,029	9,522	10,105	90	90	73	221
New Mexico	29,193	33,384	-12.6%	23,902	27,907	5,229	5,403	62	71	NM	NM
Utah	39,806	38,910	2.3%	37,108	36,094	1,715	1,711	36	34	947	1,071
Wyoming	45,095	47,616	-5.3%	41,151	43,865	2,889	2,722	0	0	1,056	1,030
Pacific Contiguous	341,159	341,241	0.0%	197,475	203,226	125,526	119,549	2,723	2,695	15,436	15,771
California	181,821	183,270	-0.8%	65,029	72,686	100,565	94,060	2,668	2,637	13,559	13,887
Oregon	54,425	54,515	-0.2%	40,350	39,576	13,448	14,314	NM	55	584	570
Washington	104,914	103,456	1.4%	92,096	90,964	11,513	11,175	NM	NM	1,293	1,314
Pacific Noncontiguous	14,343	14,584	-1.7%	9,605	10,098	3,864	3,687	538	469	337	330
Alaska	5,375	5,612	-4.2%	4,899	5,175	235	228	188	141	53	68
Hawaii	8,968	8,972	0.0%	4,706	4,922	3,629	3,460	350	328	284	261
U.S. Total	3,748,649	3,705,853	1.2%	2,183,736	2,155,191	1,424,761	1,405,302	10,955	10,467	129,198	134,893

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

Table 1.7.A. Net Generation from Coal by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	545	422	29.1%	153	31	388	386	0	0	NM	NM
Connecticut	110	46	138.8%	0	0	110	46	0	0	0	0
Maine	4	5	-18.4%	0	0	3	3	0	0	1	2
Massachusetts	278	340	-18.2%	0	0	275	337	0	0	NM	NM
New Hampshire	153	31	387.6%	153	31	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	6,401	6,080	5.3%	NM	NM	6,322	6,004	NM	NM	71	72
New Jersey	137	126	8.5%	0	0	137	126	0	0	0	0
New York	174	175	-0.8%	NM	NM	143	149	0	0	24	23
Pennsylvania	6,091	5,779	5.4%	0	0	6,042	5,729	NM	NM	47	49
East North Central	28,747	28,765	-0.1%	19,670	20,849	8,789	7,642	18	9	270	264
Illinois	7,708	6,746	14.3%	830	838	6,717	5,752	8	NM	153	153
Indiana	6,943	7,370	-5.8%	6,445	6,870	486	490	8	6	NM	NM
Michigan	4,047	4,668	-13.3%	3,988	4,611	36	34	1	0	22	23
Ohio	7,392	6,891	7.3%	5,820	5,502	1,550	1,366	NM	NM	21	23
Wisconsin	2,657	3,089	-14.0%	2,586	3,028	0	0	NM	NM	70	61
West North Central	17,281	16,923	2.1%	16,980	16,610	0	0	21	21	280	292
Iowa	2,506	2,173	15.3%	2,318	1,973	0	0	15	13	173	187
Kansas	2,122	2,121	0.0%	2,122	2,121	0	0	0	0	0	0
Minnesota	2,456	1,901	29.2%	2,397	1,842	0	0	0	0	59	58
Missouri	5,441	6,022	-9.6%	5,429	6,010	0	0	7	8	NM	NM
Nebraska	2,028	2,221	-8.7%	1,994	2,187	0	0	0	0	34	35
North Dakota	2,530	2,224	13.8%	2,522	2,216	0	0	0	0	NM	NM
South Dakota	199	262	-24.1%	199	262	0	0	0	0	0	0
South Atlantic	22,167	22,357	-0.8%	18,546	17,976	3,444	4,179	NM	7	175	195
Delaware	-1	145	-101.0%	0	0	-1	145	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,196	3,482	20.5%	4,062	3,356	122	107	0	0	NM	NM
Georgia	2,636	2,881	-8.5%	2,607	2,851	0	0	0	0	29	30
Maryland	1,080	1,349	-19.9%	0	0	1,065	1,337	NM	NM	13	10
North Carolina	3,973	4,217	-5.8%	3,862	4,048	97	143	0	5	NM	NM
South Carolina	2,183	2,226	-2.0%	2,173	2,212	0	0	0	0	10	14
Virginia	1,764	1,786	-1.2%	1,658	1,691	74	54	NM	NM	31	42
West Virginia	6,336	6,270	1.1%	4,185	3,818	2,088	2,392	0	0	64	60
East South Central	11,890	12,604	-5.7%	11,697	12,248	96	247	NM	NM	95	107
Alabama	2,968	3,620	-18.0%	2,955	3,604	0	0	0	0	13	16
Kentucky	6,696	6,160	8.7%	6,696	6,160	0	0	0	0	0	0
Mississippi	485	591	-18.0%	388	343	96	247	0	0	0	0
Tennessee	1,742	2,234	-22.0%	1,659	2,141	0	0	NM	NM	82	90
West South Central	16,072	16,464	-2.4%	8,174	9,074	7,867	7,349	0	0	31	41
Arkansas	2,520	2,015	25.1%	2,142	1,897	374	112	0	0	5	6
Louisiana	1,271	1,333	-4.7%	513	666	757	668	0	0	NM	0
Oklahoma	2,100	2,603	-19.3%	1,905	2,361	170	207	0	0	NM	35
Texas	10,181	10,513	-3.2%	3,614	4,151	6,567	6,362	0	0	0	0
Mountain	15,178	16,458	-7.8%	13,467	15,164	1,669	1,217	0	0	42	77
Arizona	3,196	3,392	-5.8%	3,196	3,392	0	0	0	0	0	0
Colorado	2,282	2,794	-18.3%	2,274	2,782	NM	NM	0	0	NM	NM
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,477	1,023	44.4%	NM	NM	1,454	1,000	0	0	NM	NM
Nevada	401	327	22.7%	279	217	121	109	0	0	0	0
New Mexico	1,409	2,132	-33.9%	1,409	2,132	0	0	0	0	0	0
Utah	2,861	2,829	1.1%	2,830	2,757	NM	NM	0	0	0	33
Wyoming	3,547	3,954	-10.3%	3,457	3,860	NM	NM	0	0	34	37
Pacific Contiguous	1,082	1,191	-9.2%	345	395	706	762	0	0	30	35
California	37	59	-37.9%	0	0	NM	28	0	0	27	30
Oregon	345	395	-12.7%	345	395	0	0	0	0	0	0
Washington	700	737	-5.1%	0	0	697	733	0	0	3	4
Pacific Noncontiguous	171	167	2.3%	15	16	144	138	10	10	NM	NM
Alaska	42	45	-6.4%	15	16	17	19	10	10	0	0
Hawaii	129	123	5.4%	0	0	127	120	0	0	NM	NM
U.S. Total	119,535	121,431	-1.6%	89,054	92,366	29,426	27,924	54	51	1,000	1,090

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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 November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	4,902	5,084	-3.6%	1,218	1,208	3,628	3,822	0	0	57	54
Connecticut	814	471	72.8%	0	0	814	471	0	0	0	0
Maine	70	53	31.4%	0	0	46	30	0	0	25	24
Massachusetts	2,800	3,352	-16.5%	0	0	2,768	3,321	0	0	32	31
New Hampshire	1,218	1,208	0.8%	1,218	1,208	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	81,962	88,260	-7.1%	NM	NM	81,056	87,488	17	15	829	715
New Jersey	2,430	1,853	31.1%	0	0	2,430	1,853	0	0	0	0
New York	4,617	4,291	7.6%	NM	NM	4,271	3,969	0	0	286	279
Pennsylvania	74,915	82,116	-8.8%	0	0	74,355	81,665	17	15	543	436
East North Central	337,423	337,637	-0.1%	245,536	246,545	88,610	87,982	247	267	3,031	2,843
Illinois	79,726	79,539	0.2%	9,090	9,896	68,895	68,016	50	48	1,691	1,579
Indiana	90,287	84,157	7.3%	85,156	79,194	4,975	4,798	107	117	49	48
Michigan	49,310	51,605	-4.4%	48,583	50,956	394	317	81	94	252	237
Ohio	83,638	85,731	-2.4%	69,046	70,647	14,347	14,851	NM	NM	242	230
Wisconsin	34,462	36,606	-5.9%	33,660	35,851	0	0	NM	NM	797	749
West North Central	199,730	200,921	-0.6%	196,315	197,591	0	0	235	245	3,180	3,085
Iowa	30,796	30,499	1.0%	28,618	28,374	0	0	166	158	2,012	1,967
Kansas	26,627	27,205	-2.1%	26,627	27,205	0	0	0	0	0	0
Minnesota	25,361	20,851	21.6%	24,710	20,228	0	0	0	0	651	622
Missouri	66,528	69,961	-4.9%	66,400	69,821	0	0	69	88	58	53
Nebraska	23,028	24,366	-5.5%	22,656	24,007	0	0	0	0	372	359
North Dakota	24,908	25,340	-1.7%	24,822	25,256	0	0	0	0	86	84
South Dakota	2,481	2,699	-8.1%	2,481	2,699	0	0	0	0	0	0
South Atlantic	271,900	246,006	10.5%	224,197	200,280	45,575	43,641	39	50	2,089	2,034
Delaware	895	1,467	-39.0%	0	0	895	1,467	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	48,009	42,663	12.5%	46,331	41,115	1,489	1,342	0	0	188	206
Georgia	42,709	36,447	17.2%	42,300	36,016	0	0	0	0	409	431
Maryland	16,590	14,165	17.1%	0	0	16,428	14,023	15	13	147	129
North Carolina	46,835	43,610	7.4%	45,200	41,770	1,421	1,587	15	28	198	225
South Carolina	26,796	22,338	20.0%	26,633	22,196	0	0	0	0	164	142
Virginia	19,194	19,329	-0.7%	17,387	17,838	1,349	982	NM	NM	449	500
West Virginia	70,872	65,985	7.4%	46,347	41,345	23,992	24,240	0	0	533	400
East South Central	163,838	157,613	3.9%	160,416	153,636	2,219	2,658	24	22	1,180	1,296
Alabama	43,970	43,332	1.5%	43,808	43,144	2	0	0	0	161	189
Kentucky	76,064	75,718	0.5%	76,064	75,718	0	0	0	0	0	0
Mississippi	10,211	7,959	28.3%	7,994	5,301	2,217	2,658	0	0	0	0
Tennessee	33,593	30,603	9.8%	32,550	29,473	0	0	24	22	1,019	1,107
West South Central	213,975	210,833	1.5%	114,232	113,528	99,318	96,822	0	0	424	483
Arkansas	31,047	28,854	7.6%	27,374	25,252	3,619	3,519	0	0	53	83
Louisiana	17,636	19,147	-7.9%	7,529	9,151	10,096	9,991	0	0	NM	NM
Oklahoma	27,652	27,225	1.6%	25,541	25,186	1,750	1,644	0	0	360	395
Texas	137,640	135,607	1.5%	53,787	53,939	83,853	81,668	0	0	0	0
Mountain	177,710	185,287	-4.1%	160,468	168,584	16,328	15,724	0	0	913	979
Arizona	39,185	39,682	-1.3%	39,185	39,682	0	0	0	0	0	0
Colorado	29,865	30,969	-3.6%	29,749	30,840	108	122	0	0	NM	NM
Idaho	74	70	5.0%	0	0	0	0	0	0	74	70
Montana	14,208	13,556	4.8%	241	249	13,957	13,297	0	0	NM	9
Nevada	6,234	4,748	31.3%	4,926	3,498	1,308	1,250	0	0	0	0
New Mexico	18,288	22,499	-18.7%	18,288	22,499	0	0	0	0	0	0
Utah	30,317	31,414	-3.5%	29,516	30,481	355	406	0	0	447	528
Wyoming	39,539	42,348	-6.6%	38,563	41,336	600	648	0	0	375	364
Pacific Contiguous	9,949	10,306	-3.5%	2,940	3,357	6,691	6,592	0	0	318	357
California	847	1,052	-19.4%	0	0	569	726	0	0	278	326
Oregon	2,940	3,357	-12.4%	2,940	3,357	0	0	0	0	0	0
Washington	6,162	5,897	4.5%	0	0	6,122	5,866	0	0	40	31
Pacific Noncontiguous	1,909	1,749	9.1%	168	173	1,529	1,409	179	132	34	35
Alaska	532	486	9.4%	168	173	185	181	179	132	0	0
Hawaii	1,377	1,263	9.0%	0	0	1,344	1,228	0	0	34	35
U.S. Total	1,463,297	1,443,694	1.4%	1,105,550	1,084,945	344,953	346,138	740	730	12,054	11,882

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	19	25	-23.3%	2	5	NM	14	6	4	3	1
Connecticut	3	3	-3.7%	0	0	NM	3	NM	NM	NM	NM
Maine	3	2	66.3%	NM	NM	1	1	NM	NM	3	1
Massachusetts	NM	13	NM	0	2	NM	8	5	3	NM	NM
New Hampshire	3	5	-36.8%	1	2	1	2	NM	NM	NM	NM
Rhode Island	2	NM	NM	1	1	1	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	42	34	24.6%	5	7	28	25	NM	NM	9	0
New Jersey	2	1	31.6%	NM	NM	2	1	NM	NM	NM	NM
New York	23	15	45.9%	5	6	9	7	NM	NM	8	0
Pennsylvania	18	17	4.9%	NM	NM	18	17	NM	NM	NM	NM
East North Central	67	46	45.8%	59	36	7	8	NM	NM	NM	2
Illinois	7	6	18.0%	3	2	4	4	NM	NM	NM	NM
Indiana	16	10	61.1%	14	9	NM	NM	NM	NM	1	1
Michigan	23	9	154.1%	23	9	0	0	0	0	NM	NM
Ohio	15	19	-22.3%	12	14	2	4	NM	NM	NM	NM
Wisconsin	7	3	167.5%	7	2	NM	NM	NM	NM	NM	NM
West North Central	26	16	63.6%	25	15	0	0	NM	NM	NM	NM
Iowa	8	-2	-490.0%	8	-2	NM	NM	NM	NM	NM	NM
Kansas	2	3	-41.9%	2	3	0	0	0	0	0	0
Minnesota	NM	3	NM	2	3	NM	NM	NM	NM	NM	NM
Missouri	10	6	73.8%	10	6	0	0	NM	NM	0	0
Nebraska	1	2	-43.3%	1	2	0	0	0	0	0	0
North Dakota	NM	4	NM	2	4	0	0	NM	NM	NM	NM
South Dakota	1	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	165	119	38.9%	98	95	58	14	NM	NM	8	8
Delaware	NM	NM	NM	NM	NM	NM	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	41	35	17.5%	37	32	1	1	0	0	NM	NM
Georgia	18	11	69.3%	11	7	4	1	NM	NM	3	3
Maryland	7	9	-21.1%	1	1	5	7	NM	NM	0	0
North Carolina	10	26	-62.1%	8	24	NM	NM	NM	NM	NM	NM
South Carolina	11	10	8.2%	10	10	0	0	NM	NM	1	1
Virginia	59	12	374.7%	13	7	46	4	0	0	NM	NM
West Virginia	18	15	19.9%	18	15	0	0	0	0	0	0
East South Central	26	27	-3.3%	22	24	0	NM	NM	NM	4	NM
Alabama	9	6	55.5%	6	3	0	NM	0	0	NM	NM
Kentucky	10	14	-27.0%	10	14	0	0	0	0	0	0
Mississippi	1	1	-23.5%	1	1	0	0	0	0	0	0
Tennessee	5	6	-4.7%	5	6	0	0	NM	NM	NM	NM
West South Central	15	18	-18.1%	9	5	5	11	NM	NM	NM	1
Arkansas	4	3	26.4%	3	1	1	2	0	0	0	0
Louisiana	3	7	-52.7%	0	1	3	6	0	0	0	1
Oklahoma	1	1	-5.1%	1	1	0	0	0	0	NM	NM
Texas	7	7	-2.4%	6	3	1	4	NM	NM	NM	NM
Mountain	16	23	-30.2%	14	21	NM	2	NM	NM	NM	NM
Arizona	5	7	-29.0%	5	7	0	0	NM	NM	0	0
Colorado	NM	1	NM	NM	1	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	1	NM	NM	NM	NM	1	0	0	0	0
Nevada	1	2	-30.1%	1	1	0	1	0	0	0	0
New Mexico	3	6	-48.6%	3	6	NM	NM	0	0	NM	NM
Utah	3	3	19.2%	3	3	NM	NM	0	0	NM	NM
Wyoming	NM	3	NM	2	3	0	0	0	0	NM	NM
Pacific Contiguous	NM	NM	NM	4	3	1	1	NM	NM	NM	2
California	NM	NM	NM	3	3	0	0	NM	NM	NM	0
Oregon	1	0	186.4%	1	0	0	0	0	0	0	0
Washington	NM	3	NM	NM	NM	1	1	NM	NM	NM	2
Pacific Noncontiguous	583	636	-8.3%	432	494	137	134	NM	NM	13	7
Alaska	56	66	-15.5%	52	62	0	0	NM	NM	3	3
Hawaii	527	569	-7.4%	380	431	137	134	0	0	10	4
U.S. Total	972	956	1.7%	671	706	245	210	NM	16	40	25

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

Table 1.8.B. Net Generation from Petroleum Liquids

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	2,162	764	182.9%	252	128	1,711	531	150	74	49	31
Connecticut	499	222	124.5%	NM	4	484	214	NM	NM	NM	NM
Maine	288	175	64.6%	NM	NM	260	158	NM	NM	NM	13
Massachusetts	977	254	284.3%	128	59	742	138	NM	45	NM	13
New Hampshire	304	73	318.4%	106	53	163	NM	NM	NM	NM	NM
Rhode Island	83	35	134.9%	5	10	63	18	NM	NM	0	0
Vermont	NM	NM	NM	NM	4	0	0	NM	NM	0	0
Middle Atlantic	3,161	1,256	151.8%	888	437	2,155	728	NM	NM	87	69
New Jersey	441	95	364.7%	NM	NM	432	89	NM	NM	NM	NM
New York	2,079	890	133.7%	883	434	1,091	374	NM	NM	76	63
Pennsylvania	641	271	136.8%	NM	NM	633	265	NM	NM	NM	NM
East North Central	707	554	27.6%	514	442	169	97	NM	NM	21	13
Illinois	82	71	15.3%	30	26	52	46	NM	NM	NM	NM
Indiana	148	125	18.2%	135	118	NM	NM	NM	NM	12	7
Michigan	140	126	11.4%	136	122	NM	0	2	1	2	3
Ohio	293	204	44.1%	176	152	112	49	NM	NM	NM	NM
Wisconsin	44	28	53.2%	37	25	5	2	NM	NM	NM	NM
West North Central	329	255	29.1%	314	249	11	2	NM	NM	NM	3
Iowa	62	62	-0.5%	60	61	NM	1	NM	NM	NM	NM
Kansas	49	49	-1.1%	49	49	0	0	0	0	0	0
Minnesota	56	20	175.9%	44	17	9	1	NM	NM	NM	NM
Missouri	107	62	71.9%	107	62	0	0	NM	NM	0	0
Nebraska	25	23	10.7%	25	23	0	0	0	0	0	0
North Dakota	24	30	-20.4%	23	29	0	0	NM	NM	NM	NM
South Dakota	7	8	-16.3%	6	8	NM	NM	NM	NM	0	0
South Atlantic	3,331	1,450	129.8%	2,277	1,095	891	208	NM	26	114	120
Delaware	159	22	609.0%	NM	NM	159	21	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	572	474	20.5%	528	436	NM	5	0	0	39	34
Georgia	161	70	130.8%	89	24	34	NM	NM	1	37	44
Maryland	448	142	216.0%	NM	7	391	110	NM	NM	0	1
North Carolina	407	201	102.2%	360	183	32	9	NM	NM	NM	9
South Carolina	267	100	166.9%	244	92	14	0	NM	NM	9	8
Virginia	1,168	306	281.6%	921	220	233	61	1	1	NM	24
West Virginia	150	134	11.8%	126	133	23	1	0	0	0	0
East South Central	436	322	35.6%	377	276	11	1	NM	NM	49	45
Alabama	130	95	36.6%	72	53	11	1	0	0	47	41
Kentucky	119	107	11.6%	119	107	0	0	0	0	0	0
Mississippi	NM	13	NM	NM	10	0	0	0	0	1	3
Tennessee	173	107	62.6%	172	106	0	0	NM	NM	NM	NM
West South Central	175	175	-0.2%	78	66	85	90	NM	NM	11	18
Arkansas	25	38	-35.6%	15	23	7	14	0	0	3	1
Louisiana	43	50	-14.7%	11	11	26	25	0	0	6	15
Oklahoma	13	8	50.3%	12	8	0	0	NM	NM	NM	NM
Texas	95	78	21.1%	40	25	52	52	NM	NM	NM	NM
Mountain	213	-24	-977.3%	191	-45	18	17	NM	NM	NM	4
Arizona	52	-180	-128.9%	52	-180	0	0	NM	NM	0	0
Colorado	NM	8	NM	NM	8	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	15	12	30.5%	NM	NM	15	12	0	0	0	0
Nevada	15	17	-14.9%	12	14	2	4	0	0	0	0
New Mexico	53	46	15.4%	53	46	NM	NM	0	0	NM	NM
Utah	31	33	-5.9%	30	32	NM	NM	0	0	NM	NM
Wyoming	37	39	-5.2%	34	35	0	0	0	0	NM	4
Pacific Contiguous	NM	NM	NM	42	38	16	12	NM	NM	13	19
California	NM	NM	NM	30	30	8	4	NM	NM	3	7
Oregon	NM	5	NM	8	5	0	0	NM	0	0	0
Washington	NM	23	NM	NM	NM	8	8	NM	NM	10	12
Pacific Noncontiguous	6,799	7,089	-4.1%	5,251	5,528	1,432	1,467	8	8	108	86
Alaska	637	697	-8.6%	603	654	0	0	7	7	27	36
Hawaii	6,162	6,392	-3.6%	4,648	4,874	1,432	1,467	2	2	81	50
U.S. Total	17,479	11,989	45.8%	10,184	8,215	6,500	3,152	NM	NM	458	407

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
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	17	NM	0	0	0	0	0	0	NM	17
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	195	351	-44.3%	124	218	47	105	0	0	24	28
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	58	136	-57.3%	58	136	0	0	0	0	0	0
Michigan	76	96	-21.5%	65	81	3	7	0	0	NM	NM
Ohio	44	98	-55.1%	0	0	44	98	0	0	NM	NM
Wisconsin	18	20	-13.0%	2	2	0	0	0	0	16	19
West North Central	1	0	115.6%	0	0	0	0	1	0	0	0
Iowa	1	0	115.6%	0	0	0	0	1	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	13	48	-72.5%	0	40	0	0	0	0	13	8
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	40	-100.0%	0	40	0	0	0	0	0	0
Georgia	13	8	74.1%	0	0	0	0	0	0	13	8
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	75	80	-6.7%	75	80	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	75	80	-6.7%	75	80	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	409	312	31.4%	373	270	0	1	0	0	NM	41
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	396	295	34.6%	373	270	0	0	0	0	NM	24
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	13	17	-23.9%	0	0	0	1	0	0	13	17
Mountain	41	38	7.7%	0	0	41	38	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	41	38	7.7%	0	0	41	38	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	751	851	-11.7%	572	609	90	149	1	0	89	93

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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 November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 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	240	259	-7.3%	0	0	0	0	0	0	240	259
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	168	188	-10.6%	0	0	0	0	0	0	168	188
East North Central	2,974	2,877	3.3%	1,782	1,423	892	1,104	0	0	299	350
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1,044	1,253	-16.6%	1,044	1,253	0	0	0	0	0	0
Michigan	821	319	157.4%	651	120	46	63	0	0	124	136
Ohio	859	1,058	-18.8%	0	0	846	1,041	0	0	NM	NM
Wisconsin	249	247	0.8%	87	51	0	0	0	0	163	197
West North Central	7	5	59.1%	0	0	0	0	8	5	0	0
Iowa	7	5	59.1%	0	0	0	0	8	5	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,383	2,182	-36.6%	1,211	1,991	0	0	0	0	172	191
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	1,211	1,991	-39.2%	1,211	1,991	0	0	0	0	0	0
Georgia	172	191	-9.8%	0	0	0	0	0	0	172	191
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	939	1,191	-21.2%	939	1,191	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	939	1,191	-21.2%	939	1,191	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	4,765	5,434	-12.3%	4,248	4,173	0	98	0	0	517	1,162
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	4,595	4,582	0.3%	4,248	4,173	0	0	0	0	347	409
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	170	852	-80.1%	0	0	0	98	0	0	170	753
Mountain	360	406	-11.3%	0	0	360	406	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	360	406	-11.3%	0	0	360	406	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	94	NM	0	0	NM	94	0	0	0	0
California	NM	94	NM	0	0	NM	94	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	10,692	12,448	-14.1%	8,180	8,779	1,277	1,702	8	5	1,227	1,962

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	3,292	3,586	-8.2%	10	10	3,123	3,314	72	70	87	192
Connecticut	1,208	1,215	-0.6%	1	1	1,159	1,166	NM	NM	NM	NM
Maine	361	395	-8.8%	0	0	303	234	NM	NM	55	159
Massachusetts	1,103	1,288	-14.4%	7	8	1,050	1,233	36	37	NM	NM
New Hampshire	275	332	-17.0%	2	0	270	328	NM	NM	NM	NM
Rhode Island	344	356	-3.3%	0	0	341	353	NM	NM	0	0
Vermont	0	0	-21.1%	0	0	0	0	0	0	0	0
Middle Atlantic	10,360	9,640	7.5%	936	970	9,274	8,501	59	70	91	100
New Jersey	2,705	1,995	35.6%	0	NM	2,679	1,949	NM	NM	NM	NM
New York	3,959	3,783	4.7%	936	969	2,962	2,747	40	48	NM	NM
Pennsylvania	3,696	3,862	-4.3%	0	0	3,633	3,805	NM	NM	55	50
East North Central	4,366	4,192	4.2%	1,848	1,474	2,314	2,524	106	107	98	87
Illinois	375	345	8.6%	33	7	282	282	37	35	NM	NM
Indiana	1,059	708	49.6%	882	561	138	113	NM	NM	35	30
Michigan	729	811	-10.1%	142	176	530	572	38	NM	NM	NM
Ohio	1,454	1,770	-17.9%	479	493	946	1,251	NM	NM	NM	NM
Wisconsin	750	558	34.4%	312	236	418	306	NM	NM	NM	NM
West North Central	872	892	-2.3%	705	785	134	81	NM	NM	NM	NM
Iowa	105	23	354.6%	101	20	NM	NM	NM	NM	NM	NM
Kansas	135	NM	NM	122	NM	0	0	0	0	NM	NM
Minnesota	278	479	-41.9%	222	397	43	65	NM	NM	NM	NM
Missouri	289	182	58.4%	197	165	91	16	0	1	NM	NM
Nebraska	22	32	-32.9%	20	31	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	41	62	-33.4%	41	62	0	0	0	0	0	0
South Atlantic	18,012	18,153	-0.8%	14,201	14,744	3,526	3,091	NM	NM	256	298
Delaware	574	359	60.0%	0	0	511	299	0	0	63	60
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	9,200	10,136	-9.2%	8,609	9,329	475	691	NM	NM	111	114
Georgia	3,533	2,901	21.8%	2,563	2,396	926	430	0	0	44	75
Maryland	145	79	82.6%	0	0	120	61	NM	NM	NM	NM
North Carolina	2,393	2,126	12.6%	1,465	1,514	921	602	0	1	7	8
South Carolina	762	694	9.9%	637	565	119	121	NM	0	NM	8
Virginia	1,367	1,850	-26.1%	927	938	420	884	0	0	20	27
West Virginia	33	NM	NM	0	1	33	3	0	0	0	NM
East South Central	7,834	6,384	22.7%	3,592	3,611	3,992	2,580	NM	NM	236	180
Alabama	4,737	3,761	26.0%	1,283	1,313	3,382	2,373	0	0	73	74
Kentucky	186	64	192.5%	166	45	0	0	0	0	NM	NM
Mississippi	2,340	2,353	-0.5%	1,601	2,059	610	207	NM	NM	127	84
Tennessee	570	207	175.0%	542	193	0	0	NM	NM	16	3
West South Central	21,326	21,951	-2.8%	5,428	4,856	10,691	11,752	61	51	5,146	5,292
Arkansas	538	563	-4.4%	282	118	225	424	NM	NM	32	21
Louisiana	4,445	4,275	4.0%	1,799	1,070	590	977	NM	NM	2,053	2,225
Oklahoma	1,675	1,750	-4.3%	1,280	1,343	383	398	NM	0	NM	NM
Texas	14,668	15,362	-4.5%	2,067	2,325	9,493	9,953	55	48	3,052	3,036
Mountain	6,398	5,484	16.7%	4,409	3,315	1,886	2,035	22	25	81	109
Arizona	1,887	1,303	44.8%	819	426	1,061	868	NM	9	0	0
Colorado	1,133	694	63.2%	754	456	377	237	1	0	NM	NM
Idaho	198	308	-35.8%	105	142	91	163	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	1,791	1,795	-0.3%	1,480	1,377	300	389	NM	5	NM	23
New Mexico	631	698	-9.7%	612	376	NM	315	NM	7	0	0
Utah	682	608	12.3%	609	502	NM	60	NM	3	31	43
Wyoming	46	42	9.4%	NM	NM	NM	NM	0	0	42	38
Pacific Contiguous	10,901	12,549	-13.1%	3,833	3,968	5,969	7,311	141	159	958	1,110
California	8,759	10,104	-13.3%	2,566	2,594	5,110	6,259	138	156	945	1,096
Oregon	1,326	1,457	-9.0%	548	489	768	955	NM	NM	NM	NM
Washington	817	987	-17.3%	720	885	90	98	NM	NM	6	3
Pacific Noncontiguous	252	278	-9.4%	250	275	0	0	NM	NM	NM	NM
Alaska	252	278	-9.4%	250	275	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	83,614	83,110	0.6%	35,211	34,008	40,908	41,189	515	528	6,980	7,385

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

Table 1.10.B. Net Generation from Natural Gas

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	43,842	48,779	-10.1%	331	230	41,252	45,545	837	814	1,422	2,190
Connecticut	12,971	14,429	-10.1%	11	7	12,336	13,805	344	333	281	284
Maine	4,126	4,354	-5.2%	0	0	3,120	2,577	NM	NM	982	1,754
Massachusetts	17,212	20,352	-15.4%	290	196	16,377	19,626	411	404	133	126
New Hampshire	3,957	3,771	4.9%	28	25	3,887	3,706	NM	NM	NM	NM
Rhode Island	5,574	5,870	-5.1%	0	0	5,532	5,831	NM	39	0	0
Vermont	2	3	-19.9%	2	3	0	0	0	0	0	0
Middle Atlantic	124,101	118,749	4.5%	10,694	11,781	111,429	104,896	752	817	1,226	1,255
New Jersey	28,097	24,984	12.5%	0	NM	27,626	24,398	153	170	318	394
New York	48,977	48,785	0.4%	10,692	11,757	37,556	36,261	496	552	233	216
Pennsylvania	47,026	44,980	4.5%	NM	NM	46,247	44,237	102	96	675	645
East North Central	52,816	53,275	-0.9%	19,979	19,576	30,529	31,581	1,161	1,105	1,147	1,012
Illinois	4,894	6,323	-22.6%	393	568	3,794	5,094	413	389	293	273
Indiana	8,414	8,225	2.3%	6,119	5,863	1,840	1,958	NM	48	401	355
Michigan	10,681	11,786	-9.4%	2,758	2,523	7,349	8,660	371	403	203	202
Ohio	21,332	19,236	10.9%	7,270	6,671	13,713	12,236	252	244	97	85
Wisconsin	7,496	7,704	-2.7%	3,439	3,951	3,833	3,633	71	NM	153	97
West North Central	11,092	14,304	-22.5%	9,091	12,020	1,615	1,910	166	150	219	225
Iowa	1,305	1,335	-2.3%	1,254	1,308	NM	NM	NM	NM	NM	NM
Kansas	1,701	2,028	-16.1%	1,607	1,952	0	0	0	0	94	76
Minnesota	3,491	5,829	-40.1%	2,804	4,714	532	942	89	80	NM	93
Missouri	3,750	4,111	-8.8%	2,608	3,080	1,084	967	57	63	NM	NM
Nebraska	423	495	-14.5%	410	480	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	405	485	-16.6%	405	485	0	0	0	0	0	0
South Atlantic	232,485	230,380	0.9%	186,975	185,078	42,592	41,793	292	247	2,626	3,262
Delaware	5,402	5,339	1.2%	NM	NM	4,834	4,587	0	0	564	747
District of Columbia	NM	55	NM	0	0	0	0	NM	55	0	0
Florida	131,023	126,838	3.3%	122,197	117,144	7,604	8,393	33	29	1,189	1,272
Georgia	37,424	37,917	-1.3%	26,829	28,694	10,243	8,448	0	0	352	775
Maryland	2,282	2,477	-7.9%	0	0	2,023	2,258	201	159	NM	59
North Carolina	25,754	25,207	2.2%	17,526	16,488	8,128	8,612	0	3	101	104
South Carolina	10,695	11,397	-6.2%	9,342	9,844	1,284	1,471	NM	NM	69	81
Virginia	19,204	20,884	-8.0%	10,918	12,864	7,998	7,809	0	0	287	211
West Virginia	645	267	141.8%	160	38	478	216	0	0	NM	NM
East South Central	81,182	77,705	4.5%	43,010	42,664	35,551	32,527	159	156	2,462	2,358
Alabama	43,612	42,671	2.2%	12,897	12,930	29,856	28,875	0	0	859	866
Kentucky	2,364	1,386	70.5%	2,004	982	144	196	0	0	215	207
Mississippi	29,438	29,233	0.7%	22,587	24,508	5,551	3,456	NM	NM	1,281	1,250
Tennessee	5,769	4,415	30.7%	5,521	4,243	0	0	141	137	107	35
West South Central	272,625	272,923	-0.1%	72,400	72,201	144,814	143,240	674	658	54,737	56,823
Arkansas	8,935	11,332	-21.2%	1,696	2,880	6,988	8,217	NM	NM	251	235
Louisiana	51,571	47,644	8.2%	21,432	16,885	8,848	8,309	38	39	21,252	22,411
Oklahoma	24,563	27,584	-11.0%	15,894	20,005	8,549	7,469	20	NM	99	96
Texas	187,556	186,362	0.6%	33,378	32,431	120,429	119,246	615	604	33,135	34,081
Mountain	74,980	74,643	0.5%	47,198	43,620	26,655	29,686	249	256	879	1,080
Arizona	24,376	24,408	-0.1%	10,961	9,499	13,324	14,815	91	95	0	0
Colorado	10,962	9,647	13.6%	6,333	5,390	4,617	4,238	7	6	NM	13
Idaho	2,286	2,945	-22.4%	1,151	1,374	1,107	1,531	0	0	NM	40
Montana	367	410	-10.6%	343	383	NM	NM	0	0	0	0
Nevada	20,953	22,638	-7.4%	16,440	17,033	4,385	5,333	58	55	70	218
New Mexico	8,042	8,264	-2.7%	5,270	5,127	2,714	3,066	58	67	0	NM
Utah	7,551	5,857	28.9%	6,665	4,774	468	657	36	34	382	393
Wyoming	443	473	-6.3%	NM	NM	NM	NM	0	0	393	413
Pacific Contiguous	129,259	128,132	0.9%	44,859	44,228	71,527	71,081	1,614	1,578	11,258	11,245
California	108,027	106,023	1.9%	31,939	31,584	63,375	61,811	1,580	1,542	11,133	11,087
Oregon	11,458	12,600	-9.1%	4,456	4,437	6,898	8,035	NM	NM	82	94
Washington	9,775	9,509	2.8%	8,465	8,207	1,253	1,235	NM	NM	44	64
Pacific Noncontiguous	2,669	2,999	-11.0%	2,644	2,968	0	0	NM	NM	NM	NM
Alaska	2,669	2,999	-11.0%	2,644	2,968	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,025,052	1,021,889	0.3%	437,181	434,366	505,965	502,259	5,907	5,785	75,999	79,479

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
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	40	69	-41.9%	0	0	0	0	0	0	40	69
New Jersey	0	15	-100.0%	0	0	0	0	0	0	0	15
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	40	55	-26.1%	0	0	0	0	0	0	40	55
East North Central	341	375	-9.0%	7	12	125	94	0	0	209	268
Illinois	22	27	-16.5%	0	0	1	0	0	0	21	27
Indiana	170	186	-8.9%	0	0	0	0	0	0	170	186
Michigan	82	79	5.0%	7	12	75	66	0	0	0	0
Ohio	67	83	-20.1%	0	0	49	28	0	0	18	55
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	33	20	63.9%	0	0	0	0	0	0	33	20
Delaware	29	16	81.5%	0	0	0	0	0	0	29	16
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-26.5%	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	4	-3.1%	0	0	0	0	0	0	3	4
East South Central	21	5	278.8%	0	0	0	0	0	0	21	5
Alabama	20	5	335.3%	0	0	0	0	0	0	20	5
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	8.1%	0	0	0	0	0	0	1	1
West South Central	377	394	-4.1%	0	0	185	191	0	0	193	203
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	158	189	-16.6%	0	0	70	67	0	0	87	122
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	220	205	7.4%	0	0	114	124	0	0	105	80
Mountain	31	27	14.3%	0	0	0	1	0	0	30	26
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	9.1%	0	0	0	0	0	0	0	0
Nevada	0	1	-31.9%	0	0	0	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	30	26	15.8%	0	0	0	0	0	0	30	26
Pacific Contiguous	171	166	2.5%	0	0	32	35	0	0	139	132
California	139	132	5.4%	0	0	0	0	0	0	139	132
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	32	35	-8.6%	0	0	32	35	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM
U.S. Total	1,020	1,064	-4.1%	7	12	341	320	0	0	671	731

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

Table 1.11.B. Net Generation from Other Gases

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	513	776	-33.9%	0	0	0	0	0	0	513	776
New Jersey	82	160	-48.7%	0	0	0	0	0	0	82	160
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	431	616	-30.1%	0	0	0	0	0	0	431	616
East North Central	4,006	3,759	6.6%	79	61	1,355	659	0	0	2,573	3,039
Illinois	248	302	-17.8%	0	0	8	17	0	0	240	285
Indiana	1,964	2,162	-9.1%	0	0	0	0	0	0	1,964	2,162
Michigan	986	407	142.4%	79	61	907	345	0	0	0	0
Ohio	809	889	-9.0%	0	0	440	297	0	0	369	592
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	31	39	-20.7%	0	0	0	0	0	0	31	39
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	31	39	-20.7%	0	0	0	0	0	0	31	39
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	251	172	45.4%	0	0	0	0	0	0	251	172
Delaware	217	141	53.4%	0	0	0	0	0	0	217	141
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7	4	51.7%	0	0	0	0	0	0	7	4
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	28	27	2.1%	0	0	0	0	0	0	28	27
East South Central	183	110	66.7%	0	0	0	0	0	0	183	110
Alabama	171	98	74.6%	0	0	0	0	0	0	171	98
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	12	12	1.7%	0	0	0	0	0	0	12	12
West South Central	3,703	4,259	-13.1%	0	0	1,733	1,924	0	0	1,969	2,334
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,686	1,952	-13.6%	0	0	750	576	0	0	935	1,376
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,017	2,307	-12.6%	0	0	983	1,348	0	0	1,034	958
Mountain	293	259	13.1%	0	0	5	6	0	0	288	253
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	-37.6%	0	0	0	0	0	0	0	0
Nevada	5	6	-14.8%	0	0	5	6	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	284	248	14.5%	0	0	0	0	0	0	284	248
Pacific Contiguous	1,509	1,805	-16.4%	0	0	306	369	0	0	1,203	1,436
California	1,203	1,436	-16.2%	0	0	0	0	0	0	1,203	1,436
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	306	369	-17.1%	0	0	306	369	0	0	0	0
Pacific Noncontiguous	35	45	-20.8%	0	0	0	0	0	0	35	45
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	33	43	-21.7%	0	0	0	0	0	0	33	43
U.S. Total	10,523	11,223	-6.2%	79	61	3,399	2,958	0	0	7,046	8,203

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

Table 1.12.A. Net Generation from Nuclear Energy by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	2,766	3,269	-15.4%	0	0	2,766	3,269	0	0	0	0
Connecticut	1,003	1,435	-30.1%	0	0	1,003	1,435	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	492	486	1.1%	0	0	492	486	0	0	0	0
New Hampshire	899	900	-0.1%	0	0	899	900	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	372	448	-17.0%	0	0	372	448	0	0	0	0
Middle Atlantic	12,634	12,852	-1.7%	0	0	12,634	12,852	0	0	0	0
New Jersey	2,353	2,625	-10.3%	0	0	2,353	2,625	0	0	0	0
New York	3,913	3,829	2.2%	0	0	3,913	3,829	0	0	0	0
Pennsylvania	6,368	6,399	-0.5%	0	0	6,368	6,399	0	0	0	0
East North Central	13,005	13,019	-0.1%	1,987	1,993	11,018	11,025	0	0	0	0
Illinois	8,196	8,014	2.3%	0	0	8,196	8,014	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,574	2,578	-0.1%	1,987	1,993	587	584	0	0	0	0
Ohio	1,389	1,561	-11.0%	0	0	1,389	1,561	0	0	0	0
Wisconsin	846	866	-2.3%	0	0	846	866	0	0	0	0
West North Central	2,789	3,587	-22.2%	2,756	3,147	33	440	0	0	0	0
Iowa	33	440	-92.6%	0	0	33	440	0	0	0	0
Kansas	852	875	-2.6%	852	875	0	0	0	0	0	0
Minnesota	815	816	-0.1%	815	816	0	0	0	0	0	0
Missouri	210	892	-76.4%	210	892	0	0	0	0	0	0
Nebraska	879	564	55.8%	879	564	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	16,933	15,447	9.6%	15,656	14,168	1,277	1,279	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	2,461	2,263	8.7%	2,461	2,263	0	0	0	0	0	0
Georgia	2,997	2,928	2.4%	2,997	2,928	0	0	0	0	0	0
Maryland	1,277	1,279	-0.2%	0	0	1,277	1,279	0	0	0	0
North Carolina	3,261	3,139	3.9%	3,261	3,139	0	0	0	0	0	0
South Carolina	4,268	3,617	18.0%	4,268	3,617	0	0	0	0	0	0
Virginia	2,668	2,222	20.1%	2,668	2,222	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,815	6,348	7.3%	6,815	6,348	0	0	0	0	0	0
Alabama	3,272	3,603	-9.2%	3,272	3,603	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,035	851	21.7%	1,035	851	0	0	0	0	0	0
Tennessee	2,507	1,894	32.4%	2,507	1,894	0	0	0	0	0	0
West South Central	5,753	6,066	-5.2%	2,893	2,896	2,860	3,170	0	0	0	0
Arkansas	1,340	1,342	-0.2%	1,340	1,342	0	0	0	0	0	0
Louisiana	1,553	1,554	-0.1%	1,553	1,554	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,860	3,170	-9.8%	0	0	2,860	3,170	0	0	0	0
Mountain	2,218	1,977	12.2%	2,218	1,977	0	0	0	0	0	0
Arizona	2,218	1,977	12.2%	2,218	1,977	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	2,227	2,409	-7.6%	2,227	2,409	0	0	0	0	0	0
California	1,423	1,595	-10.8%	1,423	1,595	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	804	814	-1.2%	804	814	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	65,140	64,975	0.3%	34,552	32,939	30,589	32,037	0	0	0	0

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

Table 1.12.B. Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	33,520	33,784	-0.8%	0	0	33,520	33,784	0	0	0	0
Connecticut	14,272	15,514	-8.0%	0	0	14,272	15,514	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	5,269	3,889	35.5%	0	0	5,269	3,889	0	0	0	0
New Hampshire	9,240	9,998	-7.6%	0	0	9,240	9,998	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	4,739	4,382	8.1%	0	0	4,739	4,382	0	0	0	0
Middle Atlantic	138,977	142,905	-2.7%	0	0	138,977	142,905	0	0	0	0
New Jersey	28,376	30,620	-7.3%	0	0	28,376	30,620	0	0	0	0
New York	39,001	40,991	-4.9%	0	0	39,001	40,991	0	0	0	0
Pennsylvania	71,600	71,294	0.4%	0	0	71,600	71,294	0	0	0	0
East North Central	140,432	139,734	0.5%	22,984	20,428	117,448	119,306	0	0	0	0
Illinois	88,987	88,575	0.5%	0	0	88,987	88,575	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	28,200	25,861	9.0%	22,984	20,428	5,216	5,433	0	0	0	0
Ohio	14,661	14,494	1.2%	0	0	14,661	14,494	0	0	0	0
Wisconsin	8,584	10,804	-20.5%	0	0	8,584	10,804	0	0	0	0
West North Central	40,915	34,633	18.1%	36,994	29,769	3,921	4,864	0	0	0	0
Iowa	3,921	4,864	-19.4%	0	0	3,921	4,864	0	0	0	0
Kansas	7,649	6,264	22.1%	7,649	6,264	0	0	0	0	0	0
Minnesota	11,684	9,876	18.3%	11,684	9,876	0	0	0	0	0	0
Missouri	8,480	7,443	13.9%	8,480	7,443	0	0	0	0	0	0
Nebraska	9,180	6,186	48.4%	9,180	6,186	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	180,334	179,421	0.5%	167,316	166,485	13,018	12,935	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	25,229	24,002	5.1%	25,229	24,002	0	0	0	0	0	0
Georgia	29,656	29,843	-0.6%	29,656	29,843	0	0	0	0	0	0
Maryland	13,018	12,935	0.6%	0	0	13,018	12,935	0	0	0	0
North Carolina	37,117	36,691	1.2%	37,117	36,691	0	0	0	0	0	0
South Carolina	47,635	49,386	-3.5%	47,635	49,386	0	0	0	0	0	0
Virginia	27,679	26,563	4.2%	27,679	26,563	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	71,649	72,806	-1.6%	71,649	72,806	0	0	0	0	0	0
Alabama	37,475	37,081	1.1%	37,475	37,081	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	9,098	9,811	-7.3%	9,098	9,811	0	0	0	0	0	0
Tennessee	25,076	25,914	-3.2%	25,076	25,914	0	0	0	0	0	0
West South Central	64,413	61,690	4.4%	28,938	26,463	35,475	35,227	0	0	0	0
Arkansas	13,127	11,108	18.2%	13,127	11,108	0	0	0	0	0	0
Louisiana	15,811	15,355	3.0%	15,811	15,355	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	35,475	35,227	0.7%	0	0	35,475	35,227	0	0	0	0
Mountain	29,348	28,894	1.6%	29,348	28,894	0	0	0	0	0	0
Arizona	29,348	28,894	1.6%	29,348	28,894	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	24,117	23,856	1.1%	24,117	23,856	0	0	0	0	0	0
California	15,456	16,234	-4.8%	15,456	16,234	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	8,661	7,622	13.6%	8,661	7,622	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	723,705	717,723	0.8%	381,345	368,702	342,360	349,021	0	0	0	0

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

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	592	586	0.9%	79	76	479	479	NM	NM	33	31
Connecticut	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Maine	291	286	1.7%	0	0	259	258	0	0	32	28
Massachusetts	81	80	1.2%	NM	NM	59	58	NM	NM	NM	NM
New Hampshire	95	97	-1.8%	23	20	72	77	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	97	96	0.8%	32	33	65	61	0	0	0	NM
Middle Atlantic	2,350	2,385	-1.4%	1,916	1,936	429	443	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,219	2,232	-0.6%	1,881	1,887	332	340	NM	NM	NM	NM
Pennsylvania	130	151	-14.2%	35	49	95	102	0	0	0	0
East North Central	258	244	5.9%	232	220	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Indiana	41	32	27.3%	41	32	0	0	0	0	0	0
Michigan	79	69	14.1%	71	62	NM	NM	0	0	NM	NM
Ohio	29	49	-42.0%	29	49	0	0	0	0	0	0
Wisconsin	100	83	20.2%	87	72	NM	NM	0	0	NM	NM
West North Central	962	613	56.8%	946	599	NM	NM	0	0	NM	NM
Iowa	50	47	5.3%	49	47	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	26	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	38	41	-8.2%	38	41	0	0	0	0	0	0
Nebraska	83	74	11.5%	83	74	0	0	0	0	0	0
North Dakota	189	71	167.2%	189	71	0	0	0	0	0	0
South Dakota	571	354	61.3%	571	354	0	0	0	0	0	0
South Atlantic	831	991	-16.2%	665	779	63	125	NM	NM	102	87
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	NM	NM	NM	NM	0	0	0	0	0	0
Georgia	168	190	-11.7%	165	188	NM	NM	0	0	NM	NM
Maryland	NM	77	NM	0	0	NM	77	0	0	0	0
North Carolina	310	342	-9.5%	246	285	NM	NM	NM	NM	60	54
South Carolina	135	192	-29.5%	131	187	NM	NM	0	0	0	0
Virginia	74	72	3.7%	68	65	NM	NM	0	0	NM	NM
West Virginia	125	106	18.5%	42	41	44	35	0	0	38	29
East South Central	1,946	1,585	22.8%	1,879	1,520	NM	NM	0	0	67	64
Alabama	762	644	18.4%	762	644	0	0	0	0	0	0
Kentucky	289	177	63.0%	288	176	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	895	764	17.2%	828	700	0	0	0	0	67	64
West South Central	314	406	-22.6%	253	361	61	45	0	0	0	0
Arkansas	136	155	-12.4%	134	151	NM	NM	0	0	0	0
Louisiana	56	38	49.2%	0	0	56	38	0	0	0	0
Oklahoma	75	145	-48.5%	75	145	0	0	0	0	0	0
Texas	47	68	-30.6%	44	65	NM	NM	0	0	0	0
Mountain	2,182	1,938	12.6%	1,867	1,665	315	274	NM	0	0	0
Arizona	489	374	30.7%	489	374	0	0	0	0	0	0
Colorado	70	54	30.2%	54	44	NM	NM	NM	0	0	0
Idaho	557	514	8.4%	521	483	36	31	0	0	0	0
Montana	824	771	6.8%	565	543	259	229	0	0	0	0
Nevada	157	143	9.8%	153	139	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	49	41	18.1%	48	41	NM	NM	0	0	0	0
Wyoming	23	30	-21.9%	23	29	NM	NM	0	0	0	0
Pacific Contiguous	9,077	8,862	2.4%	9,005	8,780	72	82	NM	NM	0	NM
California	865	1,111	-22.2%	830	1,065	34	47	NM	NM	0	0
Oregon	2,655	2,462	7.8%	2,634	2,442	NM	20	0	0	0	0
Washington	5,557	5,288	5.1%	5,541	5,273	NM	NM	0	0	0	NM
Pacific Noncontiguous	134	122	10.4%	126	117	4	1	0	0	NM	NM
Alaska	125	115	7.9%	125	115	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	4	1	0	0	NM	NM
U.S. Total	18,647	17,732	5.2%	16,968	16,052	1,450	1,475	NM	NM	226	204

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

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	7,119	7,684	-7.3%	917	1,073	5,809	6,147	NM	NM	388	457
Connecticut	325	369	-11.9%	NM	NM	298	339	0	0	0	0
Maine	3,470	3,710	-6.5%	0	0	3,106	3,290	0	0	364	420
Massachusetts	943	1,039	-9.2%	250	281	683	746	NM	NM	NM	NM
New Hampshire	1,271	1,333	-4.7%	265	336	999	989	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	1,106	1,228	-9.9%	375	425	719	778	0	0	NM	NM
Middle Atlantic	26,076	25,151	3.7%	20,578	19,522	5,435	5,560	NM	NM	59	64
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	23,518	22,816	3.1%	19,561	18,536	3,893	4,211	NM	NM	59	64
Pennsylvania	2,536	2,307	9.9%	1,016	986	1,520	1,322	0	0	0	0
East North Central	3,173	3,158	0.5%	2,832	2,837	218	203	NM	NM	120	114
Illinois	132	129	2.7%	49	54	81	72	NM	NM	0	0
Indiana	337	397	-15.0%	337	397	0	0	0	0	0	0
Michigan	1,035	962	7.6%	936	866	77	75	0	0	NM	NM
Ohio	354	496	-28.7%	354	496	0	0	0	0	0	0
Wisconsin	1,315	1,174	12.0%	1,156	1,024	59	56	NM	NM	99	93
West North Central	10,307	8,685	18.7%	10,089	8,477	150	140	0	0	68	67
Iowa	611	615	-0.7%	607	611	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	390	356	9.5%	194	168	128	121	0	0	68	67
Missouri	676	1,143	-40.8%	676	1,143	0	0	0	0	0	0
Nebraska	1,060	1,008	5.2%	1,060	1,008	0	0	0	0	0	0
North Dakota	2,378	1,710	39.1%	2,378	1,710	0	0	0	0	0	0
South Dakota	5,174	3,837	34.9%	5,174	3,837	0	0	0	0	0	0
South Atlantic	13,385	15,751	-15.0%	10,394	12,373	1,915	1,980	14	NM	1,062	1,385
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	158	179	-11.6%	158	179	0	0	0	0	0	0
Georgia	2,750	3,048	-9.8%	2,720	3,015	NM	NM	0	0	NM	NM
Maryland	1,447	1,334	8.5%	0	0	1,447	1,334	0	0	0	0
North Carolina	4,351	5,801	-25.0%	3,743	5,004	NM	NM	13	13	556	740
South Carolina	2,204	2,533	-13.0%	2,148	2,468	56	64	NM	NM	0	0
Virginia	1,242	1,300	-4.4%	1,167	1,216	63	70	0	0	NM	NM
West Virginia	1,233	1,557	-20.8%	459	492	302	457	0	0	472	608
East South Central	19,379	24,817	-21.9%	18,733	23,907	NM	NM	0	0	638	902
Alabama	8,419	11,231	-25.0%	8,419	11,231	0	0	0	0	0	0
Kentucky	2,794	2,994	-6.7%	2,786	2,986	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8,166	10,592	-22.9%	7,528	9,690	0	0	0	0	638	902
West South Central	5,531	6,489	-14.8%	4,443	5,425	1,088	1,064	0	0	0	0
Arkansas	2,364	2,468	-4.2%	2,331	2,416	NM	52	0	0	0	0
Louisiana	1,019	974	4.7%	0	0	1,019	974	0	0	0	0
Oklahoma	1,343	1,984	-32.3%	1,343	1,984	0	0	0	0	0	0
Texas	805	1,064	-24.3%	770	1,025	35	NM	0	0	0	0
Mountain	30,618	28,468	7.6%	26,400	24,613	4,214	3,855	NM	0	0	0
Arizona	5,665	5,554	2.0%	5,665	5,554	0	0	0	0	0	0
Colorado	1,537	1,171	31.3%	1,340	1,046	191	125	NM	0	0	0
Idaho	9,003	8,539	5.4%	8,254	7,902	750	637	0	0	0	0
Montana	10,466	9,232	13.4%	7,258	6,201	3,209	3,031	0	0	0	0
Nevada	2,287	2,520	-9.3%	2,239	2,472	NM	48	0	0	0	0
New Mexico	194	172	12.2%	194	172	0	0	0	0	0	0
Utah	653	589	10.8%	646	582	NM	NM	0	0	0	0
Wyoming	814	691	17.7%	805	683	NM	NM	0	0	0	0
Pacific Contiguous	119,249	126,226	-5.5%	118,097	124,660	1,148	1,561	NM	NM	NM	NM
California	15,814	23,587	-33.0%	15,134	22,479	677	1,104	NM	NM	0	0
Oregon	31,841	30,652	3.9%	31,592	30,411	249	241	0	0	0	0
Washington	71,593	71,987	-0.5%	71,371	71,771	222	215	0	0	NM	NM
Pacific Noncontiguous	1,474	1,385	6.5%	1,410	1,323	17	15	0	0	NM	47
Alaska	1,388	1,300	6.7%	1,388	1,300	0	0	0	0	0	0
Hawaii	87	84	2.7%	NM	NM	17	15	0	0	NM	47
U.S. Total	236,312	247,814	-4.6%	213,893	224,211	20,000	20,533	35	33	2,383	3,037

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

Table 1.14.A. Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	946	897	5.4%	82	81	709	601	19	13	136	203
Connecticut	76	58	31.7%	0	0	73	58	NM	0	0	0
Maine	426	430	-1.0%	0	0	280	264	9	9	136	157
Massachusetts	155	170	-8.6%	8	7	144	116	NM	NM	0	46
New Hampshire	190	162	17.1%	31	31	157	128	NM	NM	0	0
Rhode Island	28	8	246.8%	0	0	28	8	0	0	0	0
Vermont	70	69	1.3%	43	42	27	27	NM	NM	0	0
Middle Atlantic	1,418	1,364	4.0%	NM	4	1,289	1,255	52	49	74	55
New Jersey	134	120	11.5%	NM	4	108	97	23	19	NM	NM
New York	672	631	6.4%	0	0	632	600	18	20	22	11
Pennsylvania	612	613	0.0%	0	0	549	558	11	10	52	44
East North Central	3,080	2,823	9.1%	256	281	2,648	2,387	18	14	157	141
Illinois	1,343	1,278	5.0%	NM	NM	1,341	1,277	NM	NM	0	0
Indiana	545	478	14.0%	24	23	517	451	NM	NM	NM	NM
Michigan	677	538	25.9%	106	116	488	349	15	10	68	64
Ohio	208	204	2.3%	NM	NM	175	172	NM	NM	30	28
Wisconsin	307	325	-5.7%	121	138	127	138	NM	NM	58	47
West North Central	5,807	4,920	18.0%	1,824	1,539	3,924	3,325	9	11	49	45
Iowa	1,994	1,771	12.5%	1,161	967	830	799	NM	NM	0	3
Kansas	1,080	849	27.2%	93	82	987	767	0	0	0	0
Minnesota	1,169	1,079	8.3%	251	221	866	813	NM	NM	47	40
Missouri	144	130	10.7%	4	3	140	124	0	3	NM	NM
Nebraska	378	215	76.0%	30	26	346	188	NM	NM	0	0
North Dakota	730	591	23.4%	209	177	519	413	0	0	NM	NM
South Dakota	313	284	10.1%	77	63	236	221	0	0	0	0
South Atlantic	1,799	1,603	12.2%	161	130	791	679	34	34	812	760
Delaware	9	9	3.0%	NM	NM	8	8	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	436	362	20.3%	19	15	238	175	NM	NM	174	169
Georgia	379	306	24.0%	0	0	65	51	NM	NM	311	252
Maryland	91	89	2.9%	NM	NM	74	74	NM	NM	13	10
North Carolina	241	239	0.5%	NM	NM	172	134	NM	3	64	101
South Carolina	159	156	2.2%	39	34	NM	2	0	0	119	120
Virginia	326	282	15.7%	102	79	74	76	18	20	132	107
West Virginia	158	160	-1.7%	0	0	158	160	0	0	0	0
East South Central	496	515	-3.7%	8	8	32	22	NM	NM	456	485
Alabama	234	259	-9.6%	NM	NM	19	12	0	0	215	247
Kentucky	43	44	-2.3%	8	8	0	0	0	0	35	36
Mississippi	125	120	4.3%	0	0	0	0	0	0	125	120
Tennessee	94	92	2.1%	0	0	13	10	NM	NM	81	82
West South Central	5,710	4,618	23.7%	190	165	5,062	4,007	NM	NM	451	442
Arkansas	143	135	6.1%	0	0	9	9	NM	NM	133	125
Louisiana	214	212	1.2%	0	0	5	5	0	0	209	207
Oklahoma	1,172	1,075	9.0%	157	138	988	909	0	0	27	28
Texas	4,181	3,197	30.8%	33	27	4,060	3,084	NM	NM	82	82
Mountain	2,902	2,412	20.3%	332	291	2,544	2,081	NM	5	20	35
Arizona	272	200	35.9%	29	14	241	185	NM	NM	0	0
Colorado	833	661	26.1%	18	6	814	653	NM	NM	NM	NM
Idaho	329	317	3.9%	16	14	294	268	0	0	20	35
Montana	234	195	19.7%	26	8	208	187	0	0	0	0
Nevada	360	305	17.9%	0	0	358	303	NM	NM	NM	NM
New Mexico	262	192	36.4%	6	5	255	187	NM	NM	0	0
Utah	107	82	30.7%	24	24	83	57	0	0	0	0
Wyoming	505	460	9.8%	213	219	292	241	0	0	0	0
Pacific Contiguous	4,701	3,739	25.7%	638	458	3,786	2,978	79	94	198	210
California	3,154	2,520	25.2%	180	80	2,845	2,282	77	92	53	65
Oregon	738	562	31.2%	99	79	595	439	NM	NM	41	42
Washington	809	657	23.0%	359	298	346	257	0	0	104	102
Pacific Noncontiguous	122	110	10.7%	16	12	79	71	16	16	10	10
Alaska	17	15	13.1%	11	NM	NM	NM	0	0	NM	NM
Hawaii	104	94	10.3%	5	3	73	65	16	16	10	10
U.S. Total	26,980	23,002	17.3%	3,511	2,968	20,865	17,406	239	240	2,365	2,387

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

Table 1.14.B. Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	9,285	8,782	5.7%	828	788	6,516	5,757	177	147	1,763	2,090
Connecticut	724	614	18.0%	0	0	721	614	NM	0	0	0
Maine	3,998	4,101	-2.5%	0	0	2,447	2,392	111	102	1,440	1,607
Massachusetts	1,944	1,822	6.7%	74	65	1,517	1,263	30	12	323	482
New Hampshire	1,745	1,510	15.6%	314	322	1,402	1,158	29	30	0	0
Rhode Island	170	91	86.3%	0	0	170	91	0	0	0	0
Vermont	703	643	9.3%	440	402	259	239	NM	NM	0	0
Middle Atlantic	12,912	11,878	8.7%	58	55	11,485	10,605	594	583	775	635
New Jersey	1,587	1,432	10.8%	58	55	1,268	1,139	260	236	NM	NM
New York	5,836	5,301	10.1%	0	0	5,380	4,856	221	230	235	215
Pennsylvania	5,489	5,145	6.7%	0	0	4,837	4,610	113	117	539	419
East North Central	24,038	21,917	9.7%	2,277	2,220	19,950	17,915	221	178	1,591	1,604
Illinois	9,960	9,299	7.1%	14	13	9,946	9,285	NM	NM	0	0
Indiana	3,537	3,377	4.7%	230	257	3,270	3,082	21	21	16	16
Michigan	5,901	4,568	29.2%	842	810	4,172	2,913	185	140	703	705
Ohio	1,646	1,711	-3.8%	36	34	1,289	1,374	NM	NM	316	299
Wisconsin	2,994	2,963	1.1%	1,155	1,106	1,273	1,262	11	12	555	583
West North Central	47,217	42,494	11.1%	13,998	13,113	32,595	28,832	107	77	516	472
Iowa	14,980	14,414	3.9%	8,253	7,909	6,683	6,461	25	25	19	19
Kansas	9,995	8,757	14.1%	834	848	9,162	7,908	0	0	0	0
Minnesota	10,004	9,073	10.3%	2,158	1,992	7,320	6,600	38	36	488	446
Missouri	1,156	1,139	1.5%	37	37	1,085	1,096	31	3	NM	NM
Nebraska	2,485	1,676	48.3%	246	239	2,225	1,422	14	14	0	0
North Dakota	5,919	4,975	19.0%	1,841	1,536	4,074	3,434	0	0	NM	NM
South Dakota	2,677	2,461	8.8%	630	551	2,047	1,910	0	0	0	0
South Atlantic	19,126	16,693	14.6%	1,722	1,233	8,051	6,662	393	338	8,960	8,460
Delaware	121	114	6.6%	NM	NM	108	107	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,652	4,207	10.6%	268	250	2,482	2,014	30	32	1,871	1,911
Georgia	3,885	3,292	18.0%	0	0	659	438	30	29	3,196	2,824
Maryland	900	854	5.4%	13	11	717	687	41	41	129	114
North Carolina	2,916	2,689	8.5%	7	NM	1,877	1,484	75	18	957	1,180
South Carolina	1,962	1,775	10.5%	408	382	23	18	0	0	1,531	1,375
Virginia	3,361	2,516	33.6%	1,018	580	855	667	213	213	1,276	1,056
West Virginia	1,329	1,246	6.7%	0	0	1,329	1,246	0	0	0	0
East South Central	5,651	5,639	0.2%	88	88	292	273	NM	NM	5,268	5,276
Alabama	2,826	2,982	-5.2%	NM	NM	188	181	0	0	2,636	2,800
Kentucky	418	284	46.9%	85	86	0	0	0	0	332	198
Mississippi	1,424	1,384	2.8%	1	0	0	0	0	0	1,423	1,384
Tennessee	984	988	-0.5%	0	0	103	92	NM	NM	877	893
West South Central	53,009	49,126	7.9%	1,786	1,803	46,322	42,380	56	39	4,845	4,904
Arkansas	1,450	1,521	-4.7%	0	0	83	82	5	NM	1,361	1,434
Louisiana	2,378	2,304	3.2%	0	0	55	56	0	0	2,323	2,248
Oklahoma	11,133	10,346	7.6%	1,503	1,505	9,337	8,531	0	0	293	310
Texas	38,048	34,955	8.8%	283	298	36,846	33,712	51	34	868	911
Mountain	26,946	24,247	11.1%	2,920	2,562	23,602	21,234	88	86	335	365
Arizona	3,469	2,443	42.0%	333	239	3,113	2,185	23	19	0	0
Colorado	7,017	6,892	1.8%	162	65	6,823	6,795	29	29	NM	NM
Idaho	3,142	2,921	7.6%	150	120	2,663	2,442	0	0	330	359
Montana	1,782	1,408	26.5%	213	83	1,570	1,326	0	0	0	0
Nevada	3,808	3,503	8.7%	0	0	3,774	3,465	32	35	NM	NM
New Mexico	2,616	2,402	8.9%	97	62	2,515	2,337	NM	NM	0	0
Utah	1,132	862	31.4%	252	225	881	637	0	0	0	0
Wyoming	3,978	3,816	4.3%	1,715	1,769	2,264	2,047	0	0	0	0
Pacific Contiguous	56,361	49,825	13.1%	7,494	6,849	45,569	39,581	1,012	1,034	2,285	2,361
California	39,946	34,050	17.3%	2,541	2,131	35,771	30,169	991	1,012	642	739
Oregon	8,139	7,860	3.5%	1,354	1,365	6,262	5,998	21	22	502	476
Washington	8,277	7,915	4.6%	3,600	3,354	3,536	3,414	0	0	1,140	1,147
Pacific Noncontiguous	1,279	1,146	11.6%	132	106	879	784	178	166	90	89
Alaska	148	129	14.8%	97	81	50	46	0	0	NM	NM
Hawaii	1,131	1,017	11.2%	35	25	829	738	178	166	89	88
U.S. Total	255,824	231,747	10.4%	31,303	28,817	195,263	174,023	2,830	2,651	26,429	26,256

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	-33	-30	7.9%	0	0	-33	-30	0	0	0	0
Connecticut	3	0	859.1%	0	0	3	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-36	-31	15.7%	0	0	-36	-31	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	-99	-72	38.2%	-42	-20	-58	-52	0	0	0	0
New Jersey	-36	-14	157.4%	-36	-14	0	0	0	0	0	0
New York	-6	-6	-8.3%	-6	-6	0	0	0	0	0	0
Pennsylvania	-58	-52	11.0%	0	0	-58	-52	0	0	0	0
East North Central	-67	-53	26.9%	-67	-53	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	-67	-53	26.9%	-67	-53	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	-2	11	-119.5%	-2	11	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	-2	11	-119.5%	-2	11	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	-236	-199	18.9%	-236	-199	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	-98	-57	73.8%	-98	-57	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	28	0	--	28	0	0	0	0	0	0	0
South Carolina	-67	-57	16.1%	-67	-57	0	0	0	0	0	0
Virginia	-99	-85	16.8%	-99	-85	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-38	-1	NM	-38	-1	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-38	-1	NM	-38	-1	0	0	0	0	0	0
West South Central	-5	-6	-27.7%	-5	-6	0	0	0	0	0	0
Arkansas	0	0	NM	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-5	-6	-20.6%	-5	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-29	2	NM	-29	2	0	0	0	0	0	0
Arizona	-7	-8	-8.0%	-7	-8	0	0	0	0	0	0
Colorado	-22	10	-327.5%	-22	10	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	4	3	26.7%	4	3	0	0	0	0	0	0
California	4	3	27.8%	4	3	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	0	36.3%	-1	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	-506	-345	46.7%	-415	-262	-90	-82	0	0	0	0

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

Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	-418	-254	64.6%	0	0	-418	-254	0	0	0	0
Connecticut	3	-2	-267.6%	0	0	3	-2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-421	-252	67.3%	0	0	-421	-252	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	-903	-998	-9.5%	-381	-506	-522	-492	0	0	0	0
New Jersey	-220	-188	17.1%	-220	-188	0	0	0	0	0	0
New York	-161	-318	-49.5%	-161	-318	0	0	0	0	0	0
Pennsylvania	-522	-492	6.1%	0	0	-522	-492	0	0	0	0
East North Central	-658	-802	-17.9%	-658	-802	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	-658	-802	-17.9%	-658	-802	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	10	303	-96.7%	10	303	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	10	303	-96.7%	10	303	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	-2,608	-2,229	17.0%	-2,608	-2,229	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-609	-380	60.4%	-609	-380	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	59	0	--	59	0	0	0	0	0	0	0
South Carolina	-825	-729	13.2%	-825	-729	0	0	0	0	0	0
Virginia	-1,233	-1,120	10.0%	-1,233	-1,120	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-454	-26	NM	-454	-26	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	-454	-26	NM	-454	-26	0	0	0	0	0	0
West South Central	-35	-56	-37.2%	-35	-56	0	0	0	0	0	0
Arkansas	66	30	116.9%	66	30	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-101	-86	17.1%	-101	-86	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-181	-197	-8.1%	-181	-197	0	0	0	0	0	0
Arizona	21	42	-51.1%	21	42	0	0	0	0	0	0
Colorado	-201	-239	-15.7%	-201	-239	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	-76	236	-132.2%	-76	236	0	0	0	0	0	0
California	-71	229	-131.2%	-71	229	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-5	8	-163.5%	-5	8	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	-5,322	-4,022	32.3%	-4,383	-3,276	-940	-746	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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	168	161	4.3%	0	0	147	144	10	8	10	10
Connecticut	54	51	4.2%	0	0	51	51	NM	0	0	0
Maine	33	31	8.2%	0	0	15	16	8	8	10	7
Massachusetts	75	73	2.5%	0	0	75	71	0	0	0	2
New Hampshire	6	5	5.9%	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	195	5.4%	0	0	167	157	39	38	0	0
New Jersey	46	45	2.7%	0	0	34	33	12	12	0	0
New York	85	82	2.6%	0	0	67	65	18	18	0	0
Pennsylvania	75	68	10.4%	0	0	65	60	10	8	0	0
East North Central	101	87	15.6%	11	11	14	12	16	10	59	54
Illinois	20	21	-4.9%	0	0	0	0	0	0	20	21
Indiana	40	37	7.3%	5	9	0	0	NM	NM	33	27
Michigan	34	23	47.2%	3	0	14	12	15	9	2	2
Ohio	1	1	-16.8%	0	0	0	0	0	0	1	1
Wisconsin	6	5	24.6%	3	2	0	0	0	0	NM	3
West North Central	40	42	-4.6%	20	23	13	12	NM	3	NM	4
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	34	35	-1.6%	15	16	13	12	NM	3	NM	4
Missouri	1	2	-72.5%	1	2	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	5	5	4.1%	5	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	302	299	1.0%	0	0	170	160	17	17	115	122
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	216	213	1.5%	0	0	110	102	0	0	106	111
Georgia	NM	8	NM	0	0	0	0	0	0	NM	8
Maryland	26	24	6.5%	0	0	26	24	NM	NM	0	0
North Carolina	12	12	0.4%	0	0	12	12	0	0	0	0
South Carolina	5	3	87.7%	0	0	0	0	0	0	5	3
Virginia	39	39	-0.6%	0	0	22	22	17	17	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	12	1	NM	10	0	0	0	0	0	2	NM
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	10	0	NM	10	0	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	2	0	NM	0	0	0	0	0	0	2	0
West South Central	94	71	32.8%	0	0	0	0	0	0	94	71
Arkansas	2	1	41.4%	0	0	0	0	0	0	2	1
Louisiana	38	35	9.3%	0	0	0	0	0	0	38	35
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	52	33	59.3%	0	0	0	0	0	0	52	33
Mountain	32	46	-30.4%	NM	NM	28	30	0	0	NM	16
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	4	4	2.5%	0	0	NM	NM	0	0	NM	3
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	26	28	-6.6%	0	0	26	28	0	0	0	0
Nevada	NM	NM	NM	NM	NM	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	13	NM	0	0	NM	NM	0	0	0	13
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	53	57	-6.7%	0	0	23	21	0	0	30	35
California	37	41	-8.5%	0	0	13	12	0	0	24	29
Oregon	4	NM	NM	0	0	4	NM	0	0	0	0
Washington	12	13	-4.6%	0	0	6	6	0	0	6	7
Pacific Noncontiguous	16	17	-5.6%	0	0	1	1	15	16	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	16	17	-5.6%	0	0	1	1	15	16	0	0
U.S. Total	1,023	975	4.9%	42	35	562	537	100	91	319	312

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

Table 1.16.B. Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	1,792	1,904	-5.9%	0	0	1,589	1,711	92	88	111	105
Connecticut	566	672	-15.7%	0	0	564	672	NM	0	0	0
Maine	352	352	0.0%	0	0	168	181	89	88	95	84
Massachusetts	814	818	-0.5%	0	0	797	797	0	0	17	21
New Hampshire	60	62	-3.7%	0	0	60	62	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	2,178	2,183	-0.3%	0	0	1,751	1,750	427	433	0	0
New Jersey	485	487	-0.3%	0	0	356	354	129	132	0	0
New York	912	897	1.7%	0	0	705	690	207	207	0	0
Pennsylvania	781	800	-2.4%	0	0	690	706	90	94	0	0
East North Central	1,075	1,025	4.9%	120	121	148	138	188	146	619	619
Illinois	232	241	-3.8%	0	0	0	0	0	0	232	241
Indiana	409	411	-0.7%	78	84	0	0	18	18	313	309
Michigan	372	295	25.9%	17	8	148	138	170	128	37	21
Ohio	6	9	-28.0%	0	0	0	0	0	0	6	9
Wisconsin	56	68	-17.8%	25	29	0	0	0	0	31	39
West North Central	444	448	-1.0%	235	230	133	138	29	32	47	49
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	369	381	-3.3%	160	163	133	138	29	32	47	49
Missouri	25	14	75.0%	25	14	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	51	53	-4.3%	51	53	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,475	3,621	-4.1%	0	0	1,860	1,926	192	189	1,423	1,506
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	2,495	2,637	-5.4%	0	0	1,179	1,267	0	0	1,316	1,371
Georgia	71	82	-12.4%	0	0	0	0	0	0	71	82
Maryland	289	282	2.2%	0	0	288	281	NM	NM	0	0
North Carolina	132	144	-8.3%	0	0	132	144	0	0	0	0
South Carolina	36	53	-33.0%	0	0	0	0	0	0	36	53
Virginia	452	423	6.8%	0	0	261	234	191	188	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	49	13	273.5%	37	8	0	0	0	0	13	5
Alabama	0	3	-95.5%	0	0	0	0	0	0	0	3
Kentucky	37	8	350.7%	37	8	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	12	1	NM	0	0	0	0	0	0	12	1
West South Central	879	848	3.7%	0	0	0	0	0	0	879	848
Arkansas	12	19	-39.5%	0	0	0	0	0	0	12	19
Louisiana	413	420	-1.7%	0	0	0	0	0	0	413	420
Oklahoma	19	21	-11.7%	0	0	0	0	0	0	19	21
Texas	436	387	12.6%	0	0	0	0	0	0	436	387
Mountain	417	523	-20.2%	13	13	251	326	0	0	153	184
Arizona	0	3	-100.0%	0	0	0	3	0	0	0	0
Colorado	50	49	1.2%	0	0	12	12	0	0	38	37
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	236	307	-23.2%	0	0	236	307	0	0	0	0
Nevada	13	13	1.4%	13	13	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	118	150	-21.1%	0	0	NM	NM	0	0	114	146
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	602	612	-1.5%	0	0	245	260	0	0	357	352
California	440	446	-1.4%	0	0	141	152	0	0	299	294
Oregon	39	40	-3.6%	0	0	39	40	0	0	0	0
Washington	124	126	-1.3%	0	0	66	68	0	0	58	58
Pacific Noncontiguous	178	172	3.1%	0	0	7	12	171	160	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	178	172	3.1%	0	0	7	12	171	160	0	0
U.S. Total	11,089	11,349	-2.3%	404	372	5,984	6,262	1,098	1,049	3,603	3,667

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	224	213	5.3%	26	17	194	195	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	125	128	-2.8%	0	0	125	128	0	0	0	0
Massachusetts	23	20	15.5%	7	NM	13	13	NM	NM	0	0
New Hampshire	43	39	9.5%	0	0	43	39	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	33	25	30.0%	20	11	13	14	0	0	0	0
Middle Atlantic	873	849	2.8%	0	0	871	848	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	472	443	6.6%	0	0	471	442	0	0	NM	NM
Pennsylvania	399	405	-1.4%	0	0	399	405	0	0	0	0
East North Central	2,562	2,338	9.6%	218	236	2,341	2,098	NM	NM	NM	NM
Illinois	1,285	1,223	5.1%	NM	NM	1,283	1,221	0	0	0	0
Indiana	507	449	12.7%	0	0	507	449	NM	NM	0	0
Michigan	456	333	36.7%	106	116	350	218	0	0	0	0
Ohio	144	141	2.0%	NM	NM	139	137	0	0	NM	NM
Wisconsin	171	191	-10.4%	108	118	63	73	0	0	0	0
West North Central	5,617	4,735	18.6%	1,781	1,497	3,832	3,235	NM	NM	0	0
Iowa	1,982	1,757	12.8%	1,158	964	823	792	NM	NM	0	0
Kansas	1,075	845	27.3%	93	82	982	763	0	0	0	0
Minnesota	1,010	928	8.8%	218	189	788	736	NM	NM	0	0
Missouri	137	122	12.5%	0	0	137	122	0	0	0	0
Nebraska	373	210	77.8%	27	22	346	188	0	0	0	0
North Dakota	728	590	23.3%	209	177	519	413	0	0	0	0
South Dakota	313	284	10.1%	77	63	236	221	0	0	0	0
South Atlantic	194	199	-2.5%	0	0	193	198	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	37	39	-5.8%	0	0	37	39	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	157	159	-1.7%	0	0	157	159	0	0	0	0
East South Central	6	6	4.2%	0	0	6	6	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	6	4.2%	0	0	6	6	0	0	0	0
West South Central	5,141	4,103	25.3%	182	165	4,956	3,938	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	1,145	1,046	9.5%	157	138	988	909	0	0	0	0
Texas	3,996	3,057	30.7%	25	27	3,968	3,030	NM	0	0	0
Mountain	2,195	1,824	20.4%	273	248	1,922	1,576	NM	NM	NM	NM
Arizona	53	27	97.1%	0	0	53	27	0	0	0	0
Colorado	811	643	26.1%	18	6	793	637	NM	0	NM	NM
Idaho	291	262	11.3%	16	14	276	247	0	0	0	0
Montana	234	195	19.7%	26	8	208	187	0	0	0	0
Nevada	25	24	0.6%	0	0	25	24	0	0	0	0
New Mexico	222	166	33.1%	0	0	221	166	NM	NM	0	0
Utah	55	46	19.9%	0	0	55	46	0	0	0	0
Wyoming	505	460	9.8%	213	219	292	241	0	0	0	0
Pacific Contiguous	2,113	1,568	34.7%	499	366	1,613	1,202	NM	NM	NM	NM
California	789	590	33.7%	64	36	724	554	NM	NM	NM	NM
Oregon	644	472	36.5%	93	74	551	398	0	0	0	0
Washington	679	506	34.2%	341	256	338	250	0	0	0	0
Pacific Noncontiguous	72	54	33.0%	11	NM	61	44	0	0	0	0
Alaska	17	15	13.0%	11	NM	NM	NM	0	0	0	0
Hawaii	55	39	40.8%	0	0	55	39	0	0	0	0
U.S. Total	18,997	15,888	19.6%	2,990	2,539	15,990	13,340	NM	NM	NM	NM

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

Table 1.17.B. Net Generation from Wind

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	1,861	1,686	10.4%	230	169	1,602	1,507	29	11	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1,000	947	5.5%	0	0	1,000	947	0	0	0	0
Massachusetts	198	167	18.4%	55	53	113	104	29	11	0	0
New Hampshire	377	354	6.5%	0	0	377	354	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	283	216	30.9%	175	116	108	100	0	0	0	0
Middle Atlantic	6,870	6,198	10.8%	0	0	6,861	6,189	0	0	NM	NM
New Jersey	13	12	6.0%	0	0	13	12	0	0	0	0
New York	3,648	3,197	14.1%	0	0	3,639	3,189	0	0	NM	NM
Pennsylvania	3,209	2,989	7.4%	0	0	3,209	2,989	0	0	0	0
East North Central	18,481	16,414	12.6%	1,821	1,694	16,633	14,701	NM	NM	25	17
Illinois	9,324	8,663	7.6%	14	13	9,310	8,650	0	0	0	0
Indiana	3,131	3,077	1.7%	0	0	3,129	3,076	NM	NM	0	0
Michigan	3,487	2,247	55.2%	842	810	2,645	1,437	0	0	0	0
Ohio	1,047	1,001	4.6%	15	14	1,007	970	0	0	25	17
Wisconsin	1,492	1,425	4.7%	950	858	542	568	0	0	0	0
West North Central	45,137	40,472	11.5%	13,528	12,639	31,579	27,806	29	27	0	0
Iowa	14,836	14,269	4.0%	8,227	7,883	6,607	6,384	NM	NM	0	0
Kansas	9,944	8,706	14.2%	834	848	9,110	7,857	0	0	0	0
Minnesota	8,281	7,370	12.4%	1,792	1,623	6,463	5,722	26	25	0	0
Missouri	1,054	1,076	-2.1%	0	0	1,054	1,076	0	0	0	0
Nebraska	2,430	1,620	50.0%	205	197	2,225	1,422	0	0	0	0
North Dakota	5,915	4,971	19.0%	1,841	1,536	4,074	3,434	0	0	0	0
South Dakota	2,677	2,461	8.8%	630	551	2,047	1,910	0	0	0	0
South Atlantic	1,601	1,526	4.9%	0	0	1,597	1,523	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	277	286	-3.1%	0	0	277	286	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	1,320	1,237	6.7%	0	0	1,320	1,237	0	0	0	0
East South Central	47	41	13.8%	0	0	47	41	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	41	13.8%	0	0	47	41	0	0	0	0
West South Central	47,014	43,303	8.6%	1,778	1,803	45,219	41,500	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	10,841	10,036	8.0%	1,503	1,505	9,337	8,531	0	0	0	0
Texas	36,173	33,267	8.7%	275	298	35,881	32,969	NM	0	0	0
Mountain	18,495	17,377	6.4%	2,236	2,035	16,245	15,327	12	12	NM	NM
Arizona	443	427	3.7%	0	0	443	427	0	0	0	0
Colorado	6,724	6,646	1.2%	159	63	6,554	6,571	8	9	NM	NM
Idaho	2,617	2,342	11.7%	150	120	2,467	2,222	0	0	0	0
Montana	1,782	1,408	26.5%	213	83	1,570	1,326	0	0	0	0
Nevada	264	237	11.7%	0	0	264	237	0	0	0	0
New Mexico	2,081	1,994	4.3%	0	0	2,077	1,991	NM	NM	0	0
Utah	606	507	19.6%	0	0	606	507	0	0	0	0
Wyoming	3,978	3,816	4.3%	1,715	1,769	2,264	2,047	0	0	0	0
Pacific Contiguous	26,848	25,959	3.4%	5,698	5,163	21,144	20,790	NM	NM	NM	NM
California	13,006	12,743	2.1%	1,132	867	11,869	11,870	NM	NM	NM	NM
Oregon	7,106	6,885	3.2%	1,286	1,297	5,820	5,588	0	0	0	0
Washington	6,735	6,331	6.4%	3,280	2,998	3,456	3,332	0	0	0	0
Pacific Noncontiguous	692	588	17.6%	97	81	596	508	0	0	0	0
Alaska	147	127	15.5%	97	81	50	46	0	0	0	0
Hawaii	545	461	18.2%	0	0	545	461	0	0	0	0
U.S. Total	167,044	153,564	8.8%	25,388	23,583	141,522	129,893	94	58	41	31

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

Table 1.18.A. Net Generation from Biomass by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	685	676	1.4%	54	62	479	399	15	12	136	203
Connecticut	76	58	30.4%	0	0	72	58	NM	0	0	0
Maine	301	302	-0.2%	0	0	155	136	9	9	136	157
Massachusetts	100	142	-29.6%	0	0	100	96	NM	NM	0	46
New Hampshire	147	123	19.5%	31	31	114	90	NM	NM	0	0
Rhode Island	26	8	244.7%	0	0	26	8	0	0	0	0
Vermont	35	43	-18.8%	23	31	11	11	NM	NM	0	0
Middle Atlantic	487	470	3.7%	0	0	372	373	43	43	72	53
New Jersey	85	84	2.1%	0	0	72	70	13	13	0	0
New York	194	185	5.0%	0	0	156	155	18	20	21	10
Pennsylvania	208	201	3.2%	0	0	145	148	11	10	51	44
East North Central	497	474	4.9%	37	44	288	279	18	13	154	138
Illinois	53	51	4.5%	0	0	53	51	NM	NM	0	0
Indiana	27	26	2.6%	24	23	0	0	NM	NM	NM	NM
Michigan	222	205	8.3%	0	0	139	131	15	10	68	64
Ohio	60	58	3.7%	NM	NM	33	32	0	0	26	25
Wisconsin	136	134	0.9%	13	21	64	65	NM	NM	58	47
West North Central	188	185	1.9%	43	42	90	90	NM	8	49	45
Iowa	12	15	-20.0%	2	2	7	7	NM	NM	0	3
Kansas	5	4	4.6%	0	0	5	4	0	0	0	0
Minnesota	159	151	5.3%	33	33	77	77	NM	NM	47	40
Missouri	6	8	-29.0%	4	3	NM	2	0	3	NM	NM
Nebraska	5	5	1.7%	4	4	0	0	NM	NM	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,498	1,353	10.7%	149	121	508	442	28	29	812	760
Delaware	5	5	4.0%	0	0	5	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	421	351	19.9%	8	8	234	170	NM	NM	174	169
Georgia	370	305	21.3%	0	0	57	51	NM	NM	311	252
Maryland	47	43	9.5%	0	0	31	29	NM	NM	13	10
North Carolina	169	211	-19.7%	0	0	105	109	0	0	64	101
South Carolina	159	156	2.0%	39	34	NM	2	0	0	119	120
Virginia	326	282	15.7%	102	79	74	76	18	20	132	107
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	485	507	-4.3%	8	8	21	14	0	0	456	485
Alabama	234	259	-9.6%	NM	NM	19	12	0	0	215	247
Kentucky	43	44	-2.3%	8	8	0	0	0	0	35	36
Mississippi	125	120	4.3%	0	0	0	0	0	0	125	120
Tennessee	83	84	-1.2%	0	0	2	2	0	0	81	82
West South Central	546	505	7.9%	8	0	83	59	NM	NM	451	442
Arkansas	143	135	6.1%	0	0	9	9	NM	NM	133	125
Louisiana	214	212	1.2%	0	0	5	5	0	0	209	207
Oklahoma	27	28	-6.6%	0	0	0	0	0	0	27	28
Texas	162	131	23.9%	8	0	68	45	NM	NM	82	82
Mountain	60	73	-18.8%	2	2	38	36	0	0	20	35
Arizona	18	14	25.7%	2	2	16	12	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	30	47	-36.2%	0	0	10	12	0	0	20	35
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	5	5	2.8%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	732	793	-7.7%	40	64	423	431	72	88	197	209
California	529	570	-7.2%	16	17	391	403	70	86	52	65
Oregon	73	71	3.1%	5	5	25	22	NM	NM	41	42
Washington	130	151	-14.4%	18	42	7	7	0	0	104	102
Pacific Noncontiguous	30	30	0.1%	3	3	0	0	16	16	10	10
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	29	29	-0.1%	3	3	0	0	16	16	10	10
U.S. Total	5,207	5,065	2.8%	345	346	2,304	2,123	201	214	2,358	2,382

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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 November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	7,023	6,975	0.7%	579	607	4,533	4,142	147	136	1,763	2,090
Connecticut	713	614	16.1%	0	0	710	614	NM	0	0	0
Maine	2,999	3,154	-4.9%	0	0	1,447	1,444	111	102	1,440	1,607
Massachusetts	1,400	1,554	-9.9%	0	0	1,076	1,071	NM	NM	323	482
New Hampshire	1,368	1,156	18.4%	314	322	1,025	804	29	30	0	0
Rhode Island	152	87	75.2%	0	0	152	87	0	0	0	0
Vermont	391	411	-4.7%	265	286	123	122	NM	NM	0	0
Middle Atlantic	5,196	5,036	3.2%	0	0	3,972	3,934	470	486	754	616
New Jersey	903	902	0.0%	0	0	765	762	137	140	0	0
New York	2,106	2,054	2.5%	0	0	1,659	1,617	221	230	226	206
Pennsylvania	2,188	2,080	5.2%	0	0	1,548	1,554	111	116	528	410
East North Central	5,273	5,378	-1.9%	441	512	3,051	3,106	215	173	1,566	1,587
Illinois	564	575	-1.9%	0	0	564	575	NM	NM	0	0
Indiana	265	293	-9.6%	230	257	0	0	19	20	16	16
Michigan	2,414	2,321	4.0%	0	0	1,526	1,475	185	140	703	705
Ohio	527	650	-19.0%	6	6	229	361	0	0	291	283
Wisconsin	1,503	1,538	-2.3%	205	248	731	694	11	12	555	583
West North Central	2,064	2,018	2.3%	470	474	1,000	1,022	79	50	516	472
Iowa	144	145	-0.8%	26	27	77	77	22	22	19	19
Kansas	51	51	-0.4%	0	0	51	51	0	0	0	0
Minnesota	1,719	1,700	1.1%	365	369	853	874	12	11	488	446
Missouri	90	62	45.0%	37	37	19	19	31	3	NM	NM
Nebraska	56	56	-0.4%	41	41	0	0	14	14	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16,173	14,463	11.8%	1,517	1,050	5,397	4,650	300	303	8,960	8,460
Delaware	55	56	-0.5%	0	0	55	56	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,404	3,979	10.7%	91	88	2,414	1,950	28	30	1,871	1,911
Georgia	3,764	3,285	14.6%	0	0	543	436	25	25	3,196	2,824
Maryland	512	493	3.9%	0	0	350	344	34	35	129	114
North Carolina	2,110	2,350	-10.2%	0	0	1,153	1,169	0	0	957	1,180
South Carolina	1,956	1,775	10.2%	408	382	18	18	0	0	1,531	1,375
Virginia	3,361	2,516	33.6%	1,018	580	855	667	213	213	1,276	1,056
West Virginia	9	10	-0.6%	0	0	9	10	0	0	0	0
East South Central	5,567	5,567	0.0%	88	88	211	204	0	0	5,268	5,276
Alabama	2,826	2,982	-5.2%	NM	NM	188	181	0	0	2,636	2,800
Kentucky	418	284	46.9%	85	86	0	0	0	0	332	198
Mississippi	1,424	1,384	2.8%	1	0	0	0	0	0	1,423	1,384
Tennessee	899	916	-1.8%	0	0	23	23	0	0	877	893
West South Central	5,739	5,661	1.4%	8	0	849	721	36	36	4,845	4,904
Arkansas	1,450	1,521	-4.7%	0	0	83	82	5	NM	1,361	1,434
Louisiana	2,378	2,304	3.2%	0	0	55	56	0	0	2,323	2,248
Oklahoma	293	310	-5.7%	0	0	0	0	0	0	293	310
Texas	1,618	1,526	6.0%	8	0	711	583	31	31	868	911
Mountain	746	731	2.1%	25	24	392	348	0	NM	330	359
Arizona	190	126	50.9%	22	22	167	102	0	NM	0	0
Colorado	56	56	1.2%	3	2	53	54	0	0	0	0
Idaho	436	485	-10.1%	0	0	106	126	0	0	330	359
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	12	13	-1.1%	0	0	12	13	0	0	0	0
Utah	52	52	-0.8%	0	0	52	52	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,415	8,466	-0.6%	562	616	4,669	4,548	911	950	2,274	2,352
California	6,032	6,073	-0.7%	184	202	4,328	4,215	890	928	631	730
Oregon	842	809	4.1%	59	60	260	252	21	22	502	476
Washington	1,541	1,583	-2.7%	319	355	81	82	0	0	1,140	1,147
Pacific Noncontiguous	293	281	4.3%	25	25	0	0	178	166	90	89
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	292	279	4.5%	25	25	0	0	178	166	89	88
U.S. Total	56,489	54,575	3.5%	3,715	3,396	24,073	22,673	2,335	2,301	26,365	26,206

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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, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
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	306	272	12.2%	24	24	281	248	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	8	NM	NM	0	0	8	NM	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	249	233	6.9%	0	0	249	233	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	47	31	51.3%	24	24	23	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,067	1,001	6.5%	69	0	997	1,001	0	0	0	0
California	1,048	983	6.6%	69	0	979	983	0	0	0	0
Oregon	19	18	3.0%	0	0	19	18	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	15	25	-37.4%	0	0	15	25	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	15	25	-37.4%	0	0	15	25	0	0	0	0
U.S. Total	1,388	1,298	6.9%	93	24	1,294	1,274	0	0	0	0

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

Table 1.19.B. Net Generation from Geothermal

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 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	3,166	2,956	7.1%	252	225	2,915	2,731	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	89	94	-4.7%	0	0	89	94	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,589	2,563	1.0%	0	0	2,589	2,563	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	471	300	57.1%	252	225	219	75	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11,526	11,888	-3.0%	773	680	10,753	11,208	0	0	0	0
California	11,362	11,743	-3.3%	773	680	10,589	11,064	0	0	0	0
Oregon	164	145	13.5%	0	0	164	145	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	239	249	-4.1%	0	0	239	249	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	239	249	-4.1%	0	0	239	249	0	0	0	0
U.S. Total	14,931	15,093	-1.1%	1,024	905	13,907	14,188	0	0	0	0

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

Table 1.20.A. Net Generation from Solar by State, by Sector, November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	36	9	308.5%	NM	NM	35	8	0	NM	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	32	8	326.2%	NM	NM	31	6	0	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	58	45	28.3%	NM	4	45	35	9	6	NM	NM
New Jersey	47	35	34.1%	NM	4	35	25	9	5	NM	NM
New York	5	3	58.1%	0	0	5	3	0	0	0	0
Pennsylvania	NM	7	NM	0	0	NM	6	NM	NM	NM	NM
East North Central	20	11	78.9%	NM	NM	19	10	NM	NM	0	0
Illinois	NM	NM	NM	0	0	NM	NM	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	NM	5	NM	NM	NM	NM	NM	NM	NM	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	NM	NM	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	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	NM	0	--	0	0	NM	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	107	51	109.1%	12	8	90	38	NM	4	0	0
Delaware	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15	11	32.4%	10	6	NM	5	NM	NM	0	0
Georgia	9	NM	NM	0	0	9	NM	NM	NM	0	0
Maryland	8	7	9.2%	NM	NM	6	6	NM	NM	0	0
North Carolina	72	29	148.1%	NM	NM	67	25	NM	3	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	5	NM	NM	0	0	5	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	5	NM	NM	0	0	5	NM	NM	NM	0	0
West South Central	24	9	149.0%	0	0	23	9	NM	NM	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	24	9	149.0%	0	0	23	9	NM	NM	0	0
Mountain	341	242	40.7%	33	17	303	221	NM	4	NM	NM
Arizona	200	159	26.4%	27	12	172	146	NM	NM	0	0
Colorado	17	12	45.4%	0	0	16	10	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	86	48	80.5%	0	0	84	46	NM	NM	NM	NM
New Mexico	37	24	54.4%	6	5	31	19	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	790	378	109.2%	30	28	752	344	7	5	NM	NM
California	788	376	109.6%	30	28	751	343	7	5	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	9.8%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	5	NM	NM	NM	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	5	NM	NM	NM	0	NM	NM	0	0	0	0
U.S. Total	1,387	750	84.9%	83	59	1,276	669	26	21	NM	NM

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

Table 1.20.B. Net Generation from Solar

by State, by Sector, Year-to-Date through November 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	401	121	232.3%	19	13	382	107	NM	NM	0	0
Connecticut	11	0	--	0	0	11	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	347	102	241.3%	19	13	328	88	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	14	NM	NM	0	0	14	NM	0	0	0	0
Vermont	28	16	74.2%	0	0	28	16	0	0	0	0
Middle Atlantic	846	645	31.2%	58	55	652	482	124	97	12	11
New Jersey	672	518	29.7%	58	55	490	365	122	96	NM	NM
New York	82	50	64.2%	0	0	82	50	0	0	0	0
Pennsylvania	92	77	19.6%	0	0	80	67	NM	NM	10	NM
East North Central	285	126	126.2%	15	14	266	108	NM	NM	0	0
Illinois	72	60	20.3%	0	0	72	60	0	0	0	0
Indiana	141	NM	NM	0	0	141	NM	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	72	60	19.9%	15	14	52	42	NM	NM	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	16	NM	NM	0	0	16	NM	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	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	12	0	--	0	0	12	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	1,353	704	92.2%	206	183	1,058	490	89	31	0	0
Delaware	62	54	14.0%	NM	NM	53	51	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	247	229	8.3%	177	163	68	64	NM	NM	0	0
Georgia	121	NM	NM	0	0	116	NM	NM	NM	0	0
Maryland	110	75	46.7%	13	11	91	58	NM	NM	0	0
North Carolina	806	339	137.7%	7	NM	724	315	75	18	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	38	31	19.9%	0	0	34	28	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	38	31	19.9%	0	0	34	28	NM	NM	0	0
West South Central	257	163	58.0%	0	0	254	160	NM	NM	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	257	163	58.0%	0	0	254	160	NM	NM	0	0
Mountain	4,538	3,182	42.6%	407	278	4,051	2,828	77	73	NM	NM
Arizona	2,837	1,890	50.1%	310	217	2,503	1,656	23	18	0	0
Colorado	237	190	24.7%	0	0	216	170	21	20	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	955	704	35.7%	0	0	921	666	32	35	NM	NM
New Mexico	506	395	28.0%	97	62	409	333	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	9,572	3,512	172.5%	462	390	9,003	3,034	99	82	8	NM
California	9,545	3,491	173.4%	453	382	8,985	3,021	99	82	8	NM
Oregon	26	21	25.1%	NM	NM	18	14	0	0	0	0
Washington	1	1	-4.0%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	55	28	99.8%	NM	0	45	28	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	55	28	99.8%	NM	0	45	28	0	0	0	0
U.S. Total	17,360	8,515	103.9%	1,176	933	15,761	7,269	401	293	23	20

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

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	83,710	62,409	20,839	34	429
February	76,350	56,180	19,747	32	391
March	72,320	52,911	18,970	29	410
April	58,747	42,240	16,142	21	344
May	64,097	47,905	15,797	20	375
June	74,579	56,672	17,468	24	415
July	81,631	61,327	19,853	24	428
August	81,210	61,262	19,509	22	418
Sept	69,293	51,460	17,409	22	401
October	61,390	45,837	15,170	19	364
November	64,688	47,418	16,892	23	355
Year to Date					
2012	752,517	560,951	187,020	279	4,267
2013	783,506	582,529	196,470	284	4,223
2014	788,016	585,620	197,796	270	4,331
Rolling 12 Months Ending in November					
2013	856,723	637,045	214,746	311	4,621
2014	865,300	642,381	217,892	295	4,732

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 and 2014 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, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	1,700	0	211	115	1,374
February	1,585	0	217	115	1,253
March	1,707	0	246	113	1,349
April	1,476	0	210	90	1,176
May	1,446	0	194	74	1,178
June	1,384	0	203	67	1,114
July	1,442	0	200	76	1,166
August	1,429	0	180	70	1,179
Sept	1,367	0	164	71	1,133
October	1,354	0	156	71	1,128
November	1,398	0	168	92	1,138
Year to Date					
2012	17,648	0	2,572	1,030	14,046
2013	16,933	0	2,308	994	13,630
2014	16,289	0	2,148	953	13,188
Rolling 12 Months Ending in November					
2013	18,617	0	2,526	1,108	14,983
2014	17,944	0	2,334	1,062	14,548

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 and 2014 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, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	85,411	62,409	21,050	149	1,803
February	77,935	56,180	19,964	147	1,644
March	74,028	52,911	19,215	142	1,759
April	60,223	42,240	16,352	111	1,520
May	65,543	47,905	15,991	94	1,553
June	75,963	56,672	17,672	90	1,530
July	83,073	61,327	20,052	100	1,594
August	82,640	61,262	19,689	92	1,597
Sept	70,660	51,460	17,573	92	1,534
October	62,744	45,837	15,326	89	1,492
November	66,086	47,418	17,060	115	1,493
Year to Date					
2012	770,165	560,951	189,591	1,309	18,314
2013	800,439	582,529	198,779	1,278	17,853
2014	804,306	585,620	199,944	1,223	17,520
Rolling 12 Months Ending in November					
2013	875,340	637,045	217,272	1,419	19,605
2014	883,243	642,381	220,226	1,357	19,280

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 and 2014 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, 2004-November 2014 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	10,375	4,600	5,466	NM	100
February	3,025	1,822	1,082	NM	54
March	3,522	1,876	1,520	NM	55
April	1,461	1,204	209	19	29
May	1,544	1,245	249	19	30
June	1,477	1,168	257	19	33
July	1,666	1,303	309	19	36
August	1,767	1,347	361	18	40
Sept	1,588	1,323	213	17	35
October	1,480	1,179	251	17	32
November	1,635	1,244	325	20	46
Year to Date					
2012	20,559	16,176	3,494	249	641
2013	20,398	15,012	4,663	264	458
2014	29,540	18,312	10,243	496	490
Rolling 12 Months Ending in November					
2013	22,443	16,357	5,280	NM	519
2014	31,893	19,729	11,095	NM	533

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 and 2014 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, 2004-November 2014 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	676	0	172	NM	404
February	342	0	92	NM	215
March	338	0	105	NM	196
April	225	0	86	7	132
May	224	0	91	9	125
June	239	0	88	9	142
July	233	0	96	8	128
August	232	0	94	10	128
Sept	178	0	64	7	107
October	199	0	96	6	97
November	252	0	93	9	150
Year to Date					
2012	2,855	0	906	114	1,835
2013	2,671	0	951	127	1,593
2014	3,137	0	1,078	235	1,824
Rolling 12 Months Ending in November					
2013	2,914	0	1,037	NM	1,742
2014	3,405	0	1,171	NM	1,978

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 and 2014 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, 2004-November 2014 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	11,051	4,600	5,638	NM	504
February	3,367	1,822	1,174	NM	268
March	3,860	1,876	1,625	NM	252
April	1,686	1,204	295	26	160
May	1,768	1,245	340	28	155
June	1,715	1,168	345	28	175
July	1,900	1,303	405	27	164
August	1,999	1,347	456	28	168
Sept	1,765	1,323	277	24	142
October	1,679	1,179	348	23	129
November	1,887	1,244	419	28	196
Year to Date					
2012	23,414	16,176	4,400	362	2,476
2013	23,069	15,012	5,614	392	2,051
2014	32,677	18,312	11,321	731	2,314
Rolling 12 Months Ending in November					
2013	25,357	16,357	6,316	NM	2,261
2014	35,298	19,729	12,266	NM	2,512

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 and 2014 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, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	446	349	55	0	42
February	376	276	56	0	44
March	439	332	57	0	50
April	313	212	55	0	46
May	384	301	49	0	35
June	409	326	46	0	37
July	369	285	54	0	31
August	369	286	51	0	32
Sept	356	268	62	0	26
October	224	177	24	0	22
November	281	221	33	0	26
Year to Date					
2012	3,367	1,935	700	1	730
2013	4,514	3,137	729	1	647
2014	3,967	3,033	541	2	392
Rolling 12 Months Ending in November					
2013	4,822	3,307	785	1	729
2014	4,346	3,305	610	2	428

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 and 2014 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, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	84	0	9	2	74
February	54	0	7	1	45
March	60	0	8	2	50
April	54	0	9	2	44
May	23	0	8	1	14
June	19	0	0	0	19
July	97	0	5	0	93
August	104	0	9	2	93
Sept	104	0	9	2	94
October	87	0	9	1	77
November	92	0	9	2	81
Year to Date					
2012	1,228	0	103	10	1,115
2013	1,012	0	100	9	902
2014	778	0	80	14	684
Rolling 12 Months Ending in November					
2013	1,130	0	110	11	1,009
2014	910	0	89	16	805

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 and 2014 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, 2004-November 2014 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	530	349	64	2	116
February	429	276	63	2	89
March	499	332	65	2	100
April	368	212	64	2	90
May	407	301	57	1	49
June	428	326	46	0	56
July	467	285	58	0	124
August	473	286	59	2	125
Sept	460	268	70	2	120
October	311	177	33	2	99
November	373	221	42	2	107
Year to Date					
2012	4,595	1,935	804	11	1,845
2013	5,526	3,137	829	11	1,550
2014	4,745	3,033	621	16	1,075
Rolling 12 Months Ending in November					
2013	5,952	3,307	895	12	1,738
2014	5,256	3,305	699	18	1,233

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 and 2014 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, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	689,214	307,815	322,713	5,216	53,470
February	573,014	246,663	274,427	4,846	47,078
March	585,493	254,506	274,925	4,880	51,182
April	575,137	255,447	268,653	4,537	46,500
May	672,659	316,903	304,251	4,686	46,819
June	745,369	333,070	359,738	4,933	47,627
July	870,103	376,959	436,112	5,421	51,611
August	923,476	408,028	458,832	5,573	51,044
Sept	797,271	339,492	403,673	5,221	48,886
October	727,192	307,383	368,539	4,938	46,332
November	627,008	272,947	299,757	4,795	49,509
Year to Date					
2012	8,854,537	3,824,900	4,392,438	58,637	578,561
2013	7,818,257	3,468,552	3,723,401	54,180	572,125
2014	7,785,938	3,419,213	3,771,621	55,046	540,057
Rolling 12 Months Ending in November					
2013	8,448,431	3,745,578	4,017,222	58,659	626,972
2014	8,480,163	3,722,157	4,101,342	60,481	596,182

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

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	83,127	0	30,995	4,491	47,641
February	78,426	0	33,151	4,027	41,248
March	76,897	0	27,943	3,731	45,222
April	69,551	0	24,796	3,652	41,103
May	69,151	0	25,924	3,629	39,597
June	69,779	0	26,059	3,622	40,098
July	70,903	0	26,741	3,645	40,517
August	74,306	0	27,711	3,974	42,621
Sept	69,305	0	25,712	3,427	40,165
October	70,187	0	25,928	3,613	40,646
November	71,711	0	26,449	3,801	41,461
Year to Date					
2012	810,565	0	293,953	44,073	472,539
2013	811,808	0	299,517	42,070	470,221
2014	803,343	0	301,411	41,612	460,321
Rolling 12 Months Ending in November					
2013	887,345	0	328,172	45,879	513,294
2014	885,811	0	330,561	46,516	508,734

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

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	772,340	307,815	353,708	9,707	101,110
February	651,439	246,663	307,578	8,872	88,326
March	662,391	254,506	302,868	8,612	96,405
April	644,688	255,447	293,448	8,190	87,603
May	741,810	316,903	330,176	8,315	86,416
June	815,148	333,070	385,798	8,555	87,725
July	941,007	376,959	462,854	9,066	92,128
August	997,783	408,028	486,543	9,547	93,665
Sept	866,576	339,492	429,386	8,648	89,051
October	797,380	307,383	394,467	8,551	86,979
November	698,720	272,947	326,207	8,596	90,971
Year to Date					
2012	9,665,102	3,824,900	4,686,391	102,711	1,051,100
2013	8,630,066	3,468,552	4,022,918	96,250	1,042,346
2014	8,589,281	3,419,213	4,073,032	96,658	1,000,379
Rolling 12 Months Ending in November					
2013	9,335,776	3,745,578	4,345,394	104,538	1,140,266
2014	9,365,974	3,722,157	4,431,903	106,997	1,104,916

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, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	24,549	2,517	19,164	2,566	302
February	20,992	2,168	16,403	2,172	248
March	24,086	2,503	18,955	2,353	275
April	23,517	2,458	18,603	2,203	253
May	23,251	2,436	18,500	2,082	233
June	23,276	2,457	18,574	2,011	235
July	25,410	2,710	20,291	2,158	NM
August	24,736	2,586	19,740	2,175	236
Sept	23,901	2,496	19,148	2,023	234
October	24,188	2,549	19,287	2,091	260
November	23,694	2,482	19,026	NM	NM
Year to Date					
2012	233,319	23,078	183,477	24,459	2,305
2013	270,994	28,257	214,541	25,256	2,941
2014	261,600	27,362	207,690	23,749	2,799
Rolling 12 Months Ending in November					
2013	294,050	30,372	233,029	27,469	NM
2014	288,802	30,153	229,153	NM	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2012 and prior years are final. Values for 2013 and 2014 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.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	460	0	402	47	12
February	384	0	336	38	10
March	381	0	329	42	10
April	324	0	283	35	6
May	349	0	306	35	8
June	287	0	250	31	6
July	307	0	267	33	NM
August	367	0	324	33	9
Sept	281	0	242	32	7
October	346	0	295	45	6
November	406	0	349	NM	NM
Year to Date					
2012	2,898	0	2,528	313	56
2013	4,325	0	3,766	443	117
2014	3,891	0	3,382	419	91
Rolling 12 Months Ending in November					
2013	4,616	0	4,026	469	NM
2014	4,359	0	3,787	NM	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	25,009	2,517	19,566	2,612	314
February	21,376	2,168	16,739	2,210	258
March	24,467	2,503	19,284	2,395	285
April	23,841	2,458	18,885	2,238	259
May	23,600	2,436	18,806	2,117	241
June	23,563	2,457	18,823	2,042	241
July	25,717	2,710	20,557	2,191	NM
August	25,103	2,586	20,064	2,208	246
Sept	24,182	2,496	19,390	2,055	241
October	24,533	2,549	19,582	2,136	266
November	24,100	2,482	19,375	NM	NM
Year to Date					
2012	236,217	23,078	186,005	24,772	2,362
2013	275,320	28,257	218,307	25,698	3,057
2014	265,491	27,362	211,072	24,168	2,889
Rolling 12 Months Ending in November					
2013	298,667	30,372	237,055	27,938	NM
2014	293,160	30,153	232,941	NM	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2012 and prior years are final. Values for 2013 and 2014 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, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	1,287	28	1,065	192	1
February	1,129	24	944	160	1
March	1,344	38	1,120	185	1
April	1,301	44	1,077	179	1
May	1,346	42	1,126	177	1
June	1,325	40	1,104	181	1
July	1,407	44	1,166	196	1
August	1,385	38	1,150	196	1
Sept	1,332	38	1,111	183	1
October	1,297	40	1,074	182	1
November	1,300	32	1,073	194	NM
Year to Date					
2012	15,515	386	13,004	2,113	11
2013	14,399	422	11,949	2,021	8
2014	14,451	408	12,009	2,025	8
Rolling 12 Months Ending in November					
2013	15,853	453	13,180	2,211	NM
2014	15,928	443	13,251	2,225	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.
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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	170	0	57	99	14
February	152	0	49	91	12
March	171	0	50	107	14
April	161	0	54	94	13
May	161	0	50	99	12
June	165	0	53	98	14
July	170	0	52	104	15
August	153	0	42	97	13
Sept	156	0	44	99	13
October	166	0	54	99	13
November	161	0	51	97	NM
Year to Date					
2012	1,816	0	481	1,160	175
2013	1,810	0	560	1,098	153
2014	1,788	0	558	1,083	147
Rolling 12 Months Ending in November					
2013	1,980	0	601	1,211	NM
2014	1,963	0	615	1,185	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 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-November 2014 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
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
2014					
January	1,457	28	1,123	290	15
February	1,281	24	992	251	13
March	1,515	38	1,170	292	15
April	1,462	44	1,130	274	14
May	1,507	42	1,177	276	13
June	1,491	40	1,157	279	14
July	1,577	44	1,217	300	15
August	1,537	38	1,193	293	14
Sept	1,488	38	1,155	282	14
October	1,463	40	1,128	280	14
November	1,461	32	1,124	291	NM
Year to Date					
2012	17,331	386	13,485	3,273	186
2013	16,209	422	12,509	3,118	161
2014	16,239	408	12,567	3,108	156
Rolling 12 Months Ending in November					
2013	17,833	453	13,781	3,422	NM
2014	17,891	443	13,866	3,410	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 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, November 2014 and November 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	256	196	31.0%	62	16	193	178	0	0	1	1
Connecticut	71	28	148.0%	0	0	71	28	0	0	0	0
Maine	1	1	-16.0%	0	0	1	1	0	0	0	0
Massachusetts	122	150	-18.0%	0	0	122	149	0	0	NM	NM
New Hampshire	62	16	281.0%	62	16	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	3,014	2,669	13.0%	NM	NM	2,988	2,646	NM	NM	23	22
New Jersey	56	53	4.8%	0	0	56	53	0	0	0	0
New York	77	96	-20.0%	NM	NM	69	90	0	0	5	5
Pennsylvania	2,882	2,521	14.0%	0	0	2,863	2,503	NM	NM	18	17
East North Central	14,904	15,241	-2.2%	9,845	10,762	4,961	4,385	5	3	93	91
Illinois	4,552	4,048	12.0%	477	474	4,018	3,519	2	1	55	54
Indiana	3,445	3,729	-7.6%	3,193	3,480	248	246	2	2	1	1
Michigan	2,273	2,644	-14.0%	2,239	2,609	21	21	0	0	13	15
Ohio	3,103	2,999	3.4%	2,421	2,392	674	600	NM	NM	7	7
Wisconsin	1,532	1,821	-16.0%	1,515	1,806	0	0	NM	NM	17	14
West North Central	10,957	10,637	3.0%	10,817	10,495	0	0	7	6	133	135
Iowa	1,503	1,329	13.0%	1,428	1,250	0	0	4	4	71	75
Kansas	1,339	1,348	-0.7%	1,339	1,348	0	0	0	0	0	0
Minnesota	1,471	1,131	30.0%	1,441	1,103	0	0	0	0	30	28
Missouri	3,223	3,506	-8.1%	3,218	3,501	0	0	2	2	3	2
Nebraska	1,235	1,328	-7.0%	1,213	1,306	0	0	0	0	22	22
North Dakota	2,053	1,817	13.0%	2,046	1,810	0	0	0	0	7	7
South Dakota	133	176	-25.0%	133	176	0	0	0	0	0	0
South Atlantic	9,514	9,663	-1.5%	8,055	7,850	1,410	1,756	2	3	47	54
Delaware	0	66	-100.0%	0	0	0	66	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,847	1,556	19.0%	1,796	1,510	48	42	0	0	NM	4
Georgia	1,403	1,489	-5.8%	1,396	1,482	0	0	0	0	7	7
Maryland	455	591	-23.0%	0	0	450	586	NM	NM	3	3
North Carolina	1,560	1,652	-5.6%	1,519	1,591	38	55	0	1	3	4
South Carolina	883	907	-2.6%	880	902	0	0	0	0	3	5
Virginia	796	828	-3.9%	756	792	34	27	NM	NM	6	9
West Virginia	2,571	2,574	-0.1%	1,709	1,572	841	980	0	0	22	22
East South Central	5,999	6,452	-7.0%	5,863	6,159	115	270	NM	NM	20	23
Alabama	1,589	1,897	-16.0%	1,585	1,893	0	0	0	0	3	4
Kentucky	3,124	2,925	6.8%	3,124	2,925	0	0	0	0	0	0
Mississippi	300	435	-31.0%	185	165	115	270	0	0	0	0
Tennessee	986	1,195	-17.0%	969	1,176	0	0	NM	NM	17	18
West South Central	10,837	11,006	-1.5%	5,206	5,786	5,620	5,204	0	0	12	16
Arkansas	1,429	1,209	18.0%	1,220	1,138	208	69	0	0	1	1
Louisiana	872	853	2.2%	394	430	478	423	0	0	NM	0
Oklahoma	1,338	1,644	-19.0%	1,218	1,500	109	129	0	0	11	15
Texas	7,198	7,300	-1.4%	2,374	2,717	4,824	4,583	0	0	0	0
Mountain	8,424	9,194	-8.4%	7,350	8,408	1,054	766	0	0	19	20
Arizona	1,729	1,824	-5.2%	1,729	1,824	0	0	0	0	0	0
Colorado	1,283	1,559	-18.0%	1,280	1,556	NM	3	0	0	NM	NM
Idaho	1	1	-2.7%	0	0	0	0	0	0	1	1
Montana	952	660	44.0%	NM	NM	931	639	0	0	NM	NM
Nevada	216	188	15.0%	152	128	64	59	0	0	0	0
New Mexico	825	1,262	-35.0%	825	1,262	0	0	0	0	0	0
Utah	1,276	1,302	-2.0%	1,255	1,274	NM	NM	0	0	0	0
Wyoming	2,141	2,398	-11.0%	2,089	2,344	NM	NM	0	0	16	17
Pacific Contiguous	680	736	-7.6%	202	220	472	509	0	0	7	7
California	10	17	-38.0%	0	0	NM	NM	0	0	6	6
Oregon	202	220	-8.4%	202	220	0	0	0	0	0	0
Washington	468	499	-6.2%	0	0	467	498	0	0	1	1
Pacific Noncontiguous	104	107	-2.6%	15	15	80	82	9	9	NM	NM
Alaska	41	43	-5.4%	15	15	17	19	9	9	0	0
Hawaii	64	64	-0.7%	0	0	62	62	0	0	NM	NM
U.S. Total	64,688	65,902	-1.8%	47,418	49,712	16,892	15,797	23	22	355	371

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

Table 2.7.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through November 2014 and November 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	2,256	2,272	-0.7%	502	508	1,741	1,751	0	0	14	13
Connecticut	490	297	65.0%	0	0	490	297	0	0	0	0
Maine	17	13	32.0%	0	0	9	6	0	0	7	7
Massachusetts	1,248	1,454	-14.0%	0	0	1,241	1,449	0	0	6	6
New Hampshire	502	508	-1.4%	502	508	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	38,418	40,077	-4.1%	NM	NM	38,122	39,837	6	6	272	223
New Jersey	1,026	784	31.0%	0	0	1,026	784	0	0	0	0
New York	2,140	2,063	3.7%	NM	NM	2,060	1,991	0	0	62	63
Pennsylvania	35,252	37,229	-5.3%	0	0	35,037	37,062	6	6	209	161
East North Central	175,516	177,504	-1.1%	123,423	125,784	50,993	50,662	70	78	1,031	980
Illinois	47,674	47,681	0.0%	5,253	5,691	41,798	41,398	18	21	605	571
Indiana	44,896	42,227	6.3%	42,330	39,704	2,523	2,478	30	32	13	13
Michigan	27,475	29,161	-5.8%	27,089	28,800	222	193	19	22	145	147
Ohio	35,782	36,905	-3.0%	29,256	30,239	6,450	6,594	2	2	74	70
Wisconsin	19,690	21,530	-8.5%	19,495	21,349	0	0	1	1	194	180
West North Central	126,503	126,111	0.3%	124,937	124,605	0	0	71	74	1,495	1,432
Iowa	18,734	18,605	0.7%	17,865	17,757	0	0	50	47	819	801
Kansas	16,831	17,271	-2.5%	16,831	17,271	0	0	0	0	0	0
Minnesota	15,295	12,464	23.0%	14,975	12,169	0	0	0	0	321	296
Missouri	39,509	40,804	-3.2%	39,453	40,747	0	0	22	27	34	31
Nebraska	14,049	14,567	-3.6%	13,805	14,336	0	0	0	0	244	231
North Dakota	20,442	20,644	-1.0%	20,365	20,570	0	0	0	0	77	74
South Dakota	1,644	1,756	-6.4%	1,644	1,756	0	0	0	0	0	0
South Atlantic	116,979	107,744	8.6%	97,388	88,567	19,002	18,592	29	31	560	554
Delaware	412	676	-39.0%	0	0	412	676	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	20,988	19,036	10.0%	20,366	18,468	583	525	0	0	39	43
Georgia	21,392	18,736	14.0%	21,299	18,639	0	0	0	0	92	97
Maryland	7,018	6,222	13.0%	0	0	6,961	6,169	19	19	38	34
North Carolina	18,526	17,708	4.6%	17,918	17,029	561	624	5	7	41	47
South Carolina	10,989	9,179	20.0%	10,933	9,122	0	0	0	0	55	57
Virginia	8,542	8,731	-2.2%	7,854	8,182	592	441	5	5	91	103
West Virginia	29,113	27,457	6.0%	19,017	17,127	9,893	10,156	0	0	203	174
East South Central	80,991	79,596	1.8%	78,359	76,426	2,373	2,891	6	5	253	273
Alabama	22,190	22,476	-1.3%	22,148	22,429	NM	0	0	0	42	48
Kentucky	35,656	35,939	-0.8%	35,656	35,939	0	0	0	0	0	0
Mississippi	6,174	5,360	15.0%	3,802	2,469	2,372	2,891	0	0	0	0
Tennessee	16,971	15,821	7.3%	16,754	15,590	0	0	6	5	211	226
West South Central	141,829	139,992	1.3%	71,720	71,917	69,944	67,889	0	0	166	186
Arkansas	18,033	17,005	6.0%	15,965	14,947	2,055	2,038	0	0	13	21
Louisiana	11,552	12,701	-9.0%	5,163	6,311	6,386	6,388	0	0	NM	NM
Oklahoma	17,465	17,219	1.4%	16,186	15,999	1,130	1,056	0	0	150	164
Texas	94,779	93,067	1.8%	34,406	34,660	60,373	58,407	0	0	0	0
Mountain	98,276	102,918	-4.5%	87,405	92,589	10,413	9,861	0	0	458	469
Arizona	21,056	21,257	-0.9%	21,056	21,257	0	0	0	0	0	0
Colorado	16,288	17,143	-5.0%	16,255	17,106	28	32	0	0	5	5
Idaho	16	16	5.0%	0	0	0	0	0	0	16	16
Montana	9,228	8,651	6.7%	218	230	9,001	8,413	0	0	9	8
Nevada	3,269	2,657	23.0%	2,552	1,989	717	667	0	0	0	0
New Mexico	10,707	13,287	-19.0%	10,707	13,287	0	0	0	0	0	0
Utah	13,778	14,395	-4.3%	13,246	13,791	282	335	0	0	250	269
Wyoming	23,934	25,512	-6.2%	23,371	24,928	386	414	0	0	178	171
Pacific Contiguous	6,127	6,212	-1.4%	1,705	1,955	4,354	4,182	0	0	68	75
California	316	377	-16.0%	0	0	259	310	0	0	57	67
Oregon	1,705	1,955	-13.0%	1,705	1,955	0	0	0	0	0	0
Washington	4,106	3,880	5.8%	0	0	4,095	3,872	0	0	10	8
Pacific Noncontiguous	1,119	1,080	3.6%	162	167	853	806	88	90	16	17
Alaska	440	447	-1.7%	162	167	190	190	88	90	0	0
Hawaii	679	633	7.3%	0	0	663	616	0	0	16	17
U.S. Total	788,016	783,506	0.6%	585,620	582,529	197,796	196,470	270	284	4,331	4,223

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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, November 2014 and November 2013 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	41	54	-24.0%	5	12	NM	36	8	4	4	1
Connecticut	10	9	12.0%	NM	NM	9	8	NM	NM	NM	NM
Maine	9	9	1.1%	NM	NM	5	8	NM	NM	4	1
Massachusetts	NM	24	NM	0	5	NM	17	6	NM	NM	0
New Hampshire	5	9	-49.0%	2	5	2	4	NM	NM	NM	NM
Rhode Island	3	2	57.0%	2	2	1	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	73	70	4.9%	11	12	51	50	NM	NM	10	6
New Jersey	3	3	0.3%	NM	NM	3	3	NM	NM	NM	NM
New York	34	33	1.9%	11	12	14	15	NM	NM	8	5
Pennsylvania	NM	33	NM	NM	NM	NM	33	NM	NM	NM	NM
East North Central	132	88	50.0%	117	69	13	17	NM	NM	2	2
Illinois	13	11	21.0%	5	3	8	7	NM	NM	NM	NM
Indiana	28	18	57.0%	26	17	NM	NM	NM	NM	2	1
Michigan	49	18	176.0%	49	17	0	0	0	0	NM	1
Ohio	27	36	-26.0%	21	26	5	10	NM	NM	NM	0
Wisconsin	16	6	156.0%	15	6	NM	NM	NM	NM	NM	NM
West North Central	50	48	5.4%	50	47	NM	NM	NM	NM	NM	0
Iowa	15	12	24.0%	15	12	NM	NM	NM	NM	NM	NM
Kansas	4	6	-44.0%	4	6	0	0	0	0	0	0
Minnesota	NM	6	NM	NM	5	NM	NM	NM	NM	NM	NM
Missouri	21	12	70.0%	21	12	NM	NM	NM	NM	0	0
Nebraska	2	3	-39.0%	2	3	0	0	0	0	0	0
North Dakota	NM	8	NM	4	8	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	326	218	49.0%	209	173	101	29	9	9	8	8
Delaware	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	80	51	58.0%	76	47	NM	2	0	0	2	2
Georgia	34	20	74.0%	24	16	7	1	NM	NM	3	2
Maryland	20	26	-23.0%	1	1	11	16	NM	9	0	0
North Carolina	38	52	-28.0%	36	50	NM	NM	NM	NM	1	1
South Carolina	23	22	5.1%	21	21	1	0	NM	NM	1	1
Virginia	100	22	358.0%	21	13	79	8	0	NM	NM	NM
West Virginia	30	26	18.0%	30	26	0	0	0	0	0	0
East South Central	48	49	-1.7%	43	46	1	NM	NM	NM	5	3
Alabama	16	10	64.0%	11	7	1	NM	0	0	4	3
Kentucky	18	26	-30.0%	18	26	0	0	0	0	0	0
Mississippi	4	2	127.0%	4	2	0	0	0	0	0	0
Tennessee	10	11	-12.0%	10	11	0	0	NM	NM	NM	NM
West South Central	27	33	-19.0%	17	10	9	21	NM	NM	NM	2
Arkansas	6	5	18.0%	4	2	1	3	0	0	0	0
Louisiana	6	13	-51.0%	1	2	6	10	0	0	0	1
Oklahoma	1	1	-5.0%	1	1	0	0	NM	NM	NM	NM
Texas	13	14	-2.1%	11	6	2	8	NM	NM	NM	NM
Mountain	32	44	-28.0%	29	40	NM	4	NM	NM	NM	0
Arizona	9	13	-29.0%	9	13	0	0	NM	NM	0	0
Colorado	4	4	-2.9%	4	4	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	3	NM	NM	NM	NM	3	0	0	0	0
Nevada	2	4	-34.0%	2	3	0	1	0	0	0	0
New Mexico	6	11	-46.0%	6	11	NM	NM	0	0	NM	NM
Utah	6	5	20.0%	6	5	NM	NM	0	0	NM	NM
Wyoming	NM	5	NM	3	5	0	0	0	0	NM	0
Pacific Contiguous	13	13	-0.4%	8	6	2	2	NM	NM	NM	5
California	5	5	-1.5%	5	5	0	0	NM	NM	NM	NM
Oregon	NM	NM	NM	1	0	0	0	NM	NM	0	0
Washington	NM	7	NM	NM	NM	2	2	NM	NM	NM	5
Pacific Noncontiguous	892	966	-7.6%	754	833	122	122	NM	NM	14	9
Alaska	100	105	-4.0%	94	98	0	0	NM	NM	6	6
Hawaii	792	861	-8.0%	660	735	122	122	1	0	8	3
U.S. Total	1,635	1,583	3.3%	1,244	1,249	325	282	20	16	46	36

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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 November 2014 and November 2013 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	3,559	1,418	151.0%	479	252	2,876	1,062	152	73	52	31
Connecticut	880	421	109.0%	NM	6	857	410	NM	NM	NM	NM
Maine	504	358	41.0%	NM	NM	469	339	NM	NM	23	13
Massachusetts	1,570	432	263.0%	230	103	1,245	283	79	34	16	13
New Hampshire	456	131	248.0%	208	113	222	NM	NM	13	NM	NM
Rhode Island	97	48	101.0%	11	20	83	26	NM	NM	0	0
Vermont	NM	NM	NM	NM	9	0	0	NM	NM	0	0
Middle Atlantic	5,470	2,334	134.0%	1,592	836	3,755	1,412	NM	NM	84	69
New Jersey	734	159	360.0%	NM	NM	721	150	NM	NM	NM	NM
New York	3,509	1,602	119.0%	1,583	828	1,823	698	NM	NM	71	64
Pennsylvania	1,227	573	114.0%	NM	NM	1,211	564	NM	NM	NM	4
East North Central	1,379	1,087	27.0%	1,004	865	344	201	NM	NM	27	18
Illinois	159	133	20.0%	60	49	99	84	NM	NM	NM	NM
Indiana	268	230	16.0%	252	221	NM	NM	NM	NM	16	9
Michigan	273	241	13.0%	267	234	0	0	2	2	5	6
Ohio	567	414	37.0%	324	299	238	113	NM	NM	NM	3
Wisconsin	111	68	63.0%	102	63	8	4	NM	NM	1	1
West North Central	671	549	22.0%	643	540	23	5	NM	NM	3	3
Iowa	125	152	-18.0%	121	148	NM	3	NM	NM	NM	NM
Kansas	98	96	2.1%	98	96	0	0	0	0	0	0
Minnesota	109	56	96.0%	87	52	19	1	NM	NM	2	2
Missouri	223	127	76.0%	223	127	NM	NM	NM	NM	0	0
Nebraska	52	43	21.0%	52	43	0	0	0	0	0	0
North Dakota	47	58	-19.0%	46	57	0	0	NM	NM	1	1
South Dakota	17	18	-6.5%	17	18	NM	NM	NM	NM	0	0
South Atlantic	6,351	2,763	130.0%	4,326	2,080	1,631	415	285	155	110	114
Delaware	256	42	514.0%	NM	NM	256	40	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,058	825	28.0%	1,014	786	NM	NM	0	0	33	29
Georgia	322	161	100.0%	221	118	67	NM	NM	2	32	39
Maryland	1,072	401	167.0%	NM	11	776	238	281	151	0	1
North Carolina	799	366	118.0%	728	345	54	12	NM	NM	16	9
South Carolina	544	197	176.0%	499	180	27	0	NM	NM	18	17
Virginia	2,040	528	286.0%	1,630	399	398	110	1	1	10	19
West Virginia	262	242	8.0%	218	240	43	2	0	0	0	0
East South Central	822	580	42.0%	738	525	24	2	NM	NM	59	53
Alabama	223	150	49.0%	141	98	24	2	0	0	58	50
Kentucky	242	203	19.0%	242	203	0	0	0	0	0	0
Mississippi	NM	23	NM	NM	20	0	0	0	0	1	3
Tennessee	328	205	60.0%	327	204	0	0	NM	NM	NM	NM
West South Central	331	434	-24.0%	154	240	162	170	NM	NM	13	23
Arkansas	41	183	-78.0%	26	157	12	25	0	0	3	1
Louisiana	80	87	-7.9%	26	23	47	45	0	0	8	20
Oklahoma	22	16	41.0%	22	15	0	0	NM	NM	NM	NM
Texas	187	148	26.0%	81	46	103	100	NM	NM	NM	NM
Mountain	402	367	9.5%	360	328	38	35	NM	0	4	3
Arizona	99	76	31.0%	99	75	0	0	NM	NM	0	0
Colorado	NM	22	NM	NM	21	0	1	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	32	27	21.0%	NM	NM	32	27	0	0	0	0
Nevada	28	31	-12.0%	24	25	4	6	0	0	0	0
New Mexico	104	89	17.0%	103	88	NM	NM	0	0	NM	NM
Utah	52	55	-6.2%	50	53	NM	NM	0	0	NM	NM
Wyoming	64	68	-5.2%	61	65	0	0	0	0	3	3
Pacific Contiguous	142	136	3.8%	82	71	37	28	NM	NM	22	36
California	85	77	10.0%	57	55	23	NM	NM	NM	5	9
Oregon	NM	NM	NM	15	10	0	0	NM	NM	0	0
Washington	41	49	-16.0%	NM	NM	14	15	NM	NM	17	28
Pacific Noncontiguous	10,414	10,729	-2.9%	8,933	9,275	1,354	1,333	13	13	115	107
Alaska	1,053	1,107	-4.8%	999	1,034	0	0	8	8	46	64
Hawaii	9,361	9,622	-2.7%	7,934	8,241	1,354	1,333	5	5	68	43
U.S. Total	29,540	20,398	45.0%	18,312	15,012	10,243	4,663	496	264	490	458

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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, November 2014 and November 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	74	115	-36.0%	51	65	17	45	0	0	5	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	17	33	-47.0%	17	33	0	0	0	0	0	0
Michigan	37	36	2.6%	33	31	1	3	0	0	NM	2
Ohio	16	42	-63.0%	0	0	16	42	0	0	NM	0
Wisconsin	4	5	-10.0%	1	1	0	0	0	0	3	4
West North Central	0	0	105.0%	0	0	0	0	0	0	0	0
Iowa	0	0	105.0%	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	2	19	-88.0%	0	17	0	0	0	0	2	1
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	17	-100.0%	0	17	0	0	0	0	0	0
Georgia	2	1	80.0%	0	0	0	0	0	0	2	1
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	29	31	-6.4%	29	31	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	29	31	-6.4%	29	31	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	156	124	26.0%	141	105	0	0	0	0	15	19
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	147	111	33.0%	141	105	0	0	0	0	NM	6
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	9	13	-32.0%	0	0	0	0	0	0	9	13
Mountain	16	15	7.0%	0	0	16	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	15	7.0%	0	0	16	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	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	281	309	-8.8%	221	217	33	61	0	0	26	30

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

Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through November 2014 and November 2013 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 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	69	71	-2.2%	0	0	0	0	0	0	69	71
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	41	46	-11.0%	0	0	0	0	0	0	41	46
East North Central	1,083	946	14.0%	625	377	394	500	0	0	63	68
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	258	300	-14.0%	258	300	0	0	0	0	0	0
Michigan	372	106	252.0%	324	51	20	28	0	0	28	26
Ohio	376	475	-21.0%	0	0	374	472	0	0	2	3
Wisconsin	77	66	17.0%	44	26	0	0	0	0	33	40
West North Central	2	1	62.0%	0	0	0	0	2	1	0	0
Iowa	2	1	62.0%	0	0	0	0	2	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	472	764	-38.0%	442	731	0	0	0	0	30	33
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	442	731	-40.0%	442	731	0	0	0	0	0	0
Georgia	30	33	-9.1%	0	0	0	0	0	0	30	33
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	365	456	-20.0%	365	456	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	365	456	-20.0%	365	456	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	1,830	2,093	-13.0%	1,601	1,573	0	45	0	0	229	475
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,715	1,691	1.4%	1,601	1,573	0	0	0	0	114	119
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	115	402	-71.0%	0	0	0	45	0	0	115	357
Mountain	137	156	-12.0%	0	0	137	156	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	137	156	-12.0%	0	0	137	156	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	27	NM	0	0	NM	27	0	0	0	0
California	NM	27	NM	0	0	NM	27	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,967	4,514	-12.0%	3,033	3,137	541	729	2	1	392	647

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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.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, November 2014 and November 2013 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	24,335	26,950	-9.7%	119	111	22,933	24,590	689	669	593	1,581
Connecticut	8,758	8,766	-0.1%	7	8	8,245	8,289	NM	288	NM	181
Maine	2,473	3,008	-18.0%	0	0	2,149	1,678	NM	NM	299	1,308
Massachusetts	8,474	9,864	-14.0%	79	91	7,996	9,370	311	320	NM	NM
New Hampshire	2,004	2,416	-17.0%	31	8	1,952	2,388	NM	NM	NM	NM
Rhode Island	2,623	2,893	-9.3%	0	0	2,592	2,864	NM	NM	0	0
Vermont	3	4	-18.0%	3	4	0	0	0	0	0	0
Middle Atlantic	78,024	72,960	6.9%	8,606	9,116	68,312	62,503	562	670	544	672
New Jersey	20,016	14,943	34.0%	0	NM	19,838	14,576	NM	NM	NM	265
New York	31,442	30,511	3.1%	8,606	9,112	22,288	20,777	399	494	NM	128
Pennsylvania	26,566	27,505	-3.4%	0	0	26,187	27,150	NM	NM	NM	279
East North Central	35,082	33,559	4.5%	14,404	11,227	18,609	20,294	1,156	1,183	914	856
Illinois	3,301	2,949	12.0%	312	81	2,181	2,069	651	660	NM	139
Indiana	7,996	5,572	44.0%	6,461	4,245	1,282	1,107	NM	NM	232	199
Michigan	6,218	7,023	-11.0%	1,354	1,697	4,275	4,681	220	247	369	398
Ohio	11,623	13,804	-16.0%	3,349	3,312	7,976	10,210	NM	NM	NM	NM
Wisconsin	5,944	4,210	41.0%	2,928	1,892	2,895	2,227	NM	NM	83	NM
West North Central	7,808	8,573	-8.9%	6,552	7,648	979	652	NM	NM	150	112
Iowa	835	973	-14.0%	802	950	0	0	NM	NM	NM	NM
Kansas	1,535	1,344	14.0%	1,460	1,310	0	0	0	0	NM	34
Minnesota	2,361	3,774	-37.0%	1,890	3,083	325	512	NM	NM	NM	NM
Missouri	2,476	1,641	51.0%	1,817	1,484	654	140	3	17	NM	NM
Nebraska	233	339	-31.0%	220	327	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	NM	494	NM	NM	494	0	0	0	0	0	0
South Atlantic	132,871	134,822	-1.4%	104,101	109,134	26,600	23,360	NM	241	1,873	2,087
Delaware	4,713	2,998	57.0%	0	0	4,019	2,340	0	0	694	658
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	68,376	76,217	-10.0%	63,999	70,122	3,654	5,333	NM	NM	706	752
Georgia	25,076	19,886	26.0%	18,178	16,343	6,629	3,149	0	0	268	394
Maryland	1,233	706	75.0%	0	0	1,001	534	NM	NM	NM	NM
North Carolina	16,978	15,703	8.1%	10,388	11,351	6,541	4,300	0	6	49	45
South Carolina	5,776	5,506	4.9%	4,758	4,224	979	1,202	NM	0	NM	81
Virginia	10,320	13,688	-25.0%	6,777	7,086	3,452	6,474	0	0	91	128
West Virginia	324	NM	NM	0	7	324	28	0	0	0	NM
East South Central	57,188	48,056	19.0%	27,344	27,846	27,581	18,337	NM	NM	2,147	1,761
Alabama	33,553	27,402	22.0%	9,524	9,854	23,455	16,876	0	0	574	672
Kentucky	2,216	721	207.0%	2,069	582	1	0	0	0	NM	139
Mississippi	17,116	17,716	-3.4%	11,637	15,312	4,124	1,460	NM	NM	1,346	935
Tennessee	4,304	2,218	94.0%	4,114	2,098	0	0	NM	NM	80	16
West South Central	161,230	168,007	-4.0%	46,763	43,809	76,923	85,331	488	434	37,055	38,433
Arkansas	3,819	4,238	-9.9%	2,047	1,355	1,587	2,755	NM	NM	185	127
Louisiana	35,950	35,521	1.2%	15,661	10,559	4,691	7,581	NM	NM	15,579	17,359
Oklahoma	12,844	14,344	-10.0%	10,018	11,338	2,754	2,951	NM	NM	NM	54
Texas	108,616	113,904	-4.6%	19,038	20,556	67,891	72,043	449	412	21,238	20,893
Mountain	49,665	43,604	14.0%	34,410	26,953	14,419	15,246	242	272	595	1,133
Arizona	14,315	11,679	23.0%	6,361	5,216	7,871	6,367	NM	96	0	0
Colorado	9,173	5,590	64.0%	5,950	3,628	3,209	1,943	8	0	NM	NM
Idaho	1,470	2,142	-31.0%	835	992	621	1,116	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	12,950	12,960	-0.1%	10,659	9,825	2,196	2,880	NM	NM	NM	195
New Mexico	5,855	5,433	7.8%	5,660	3,161	140	2,199	NM	73	0	0
Utah	5,254	5,139	2.2%	4,591	3,731	NM	706	NM	NM	284	659
Wyoming	292	270	8.3%	NM	NM	NM	NM	0	0	249	226
Pacific Contiguous	78,340	89,616	-13.0%	28,221	28,925	43,402	52,971	1,114	1,260	5,602	6,459
California	63,228	72,276	-13.0%	19,138	19,142	37,482	45,532	1,084	1,223	5,525	6,379
Oregon	9,219	10,244	-10.0%	3,790	3,389	5,360	6,765	NM	NM	44	56
Washington	5,892	7,096	-17.0%	5,294	6,394	560	674	NM	NM	33	23
Pacific Noncontiguous	2,465	2,899	-15.0%	2,427	2,854	0	0	NM	NM	NM	NM
Alaska	2,465	2,899	-15.0%	2,427	2,854	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	627,008	629,045	-0.3%	272,947	267,622	299,757	303,282	4,795	5,004	49,509	53,136

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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 November 2014 and November 2013 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	326,921	361,990	-9.7%	3,452	2,457	305,226	334,164	7,920	7,710	10,324	17,658
Connecticut	94,995	104,242	-8.9%	117	85	88,839	98,338	3,604	3,480	2,435	2,339
Maine	29,122	32,887	-11.0%	0	0	22,202	18,498	NM	NM	6,639	14,125
Massachusetts	131,984	152,614	-14.0%	2,913	1,978	124,477	146,121	3,462	3,436	1,133	1,078
New Hampshire	28,443	27,465	3.6%	390	355	27,810	26,877	NM	NM	NM	NM
Rhode Island	42,345	44,743	-5.4%	0	0	41,898	44,331	447	412	0	0
Vermont	31	39	-20.0%	31	39	0	0	0	0	0	0
Middle Atlantic	964,781	916,440	5.3%	101,845	113,320	848,307	787,644	6,907	7,252	7,722	8,223
New Jersey	216,241	192,426	12.0%	0	NM	212,673	187,847	1,094	1,203	2,473	3,171
New York	401,939	402,719	-0.2%	101,824	113,097	293,697	282,992	4,765	5,070	1,654	1,559
Pennsylvania	346,601	321,295	7.9%	NM	NM	341,937	316,805	1,048	980	3,595	3,493
East North Central	418,007	423,538	-1.3%	155,271	156,408	239,645	244,882	12,856	12,610	10,234	9,638
Illinois	44,801	55,441	-19.0%	3,602	5,129	31,886	41,292	7,306	7,178	2,007	1,842
Indiana	68,157	69,201	-1.5%	47,911	47,590	17,185	18,865	298	268	2,763	2,477
Michigan	89,590	92,245	-2.9%	25,428	24,996	58,273	60,828	2,141	2,370	3,748	4,051
Ohio	158,980	148,628	7.0%	50,271	47,747	105,171	97,452	2,685	2,654	853	774
Wisconsin	56,478	58,022	-2.7%	28,058	30,945	27,131	26,445	426	139	863	493
West North Central	100,728	126,307	-20.0%	85,113	107,809	12,004	15,115	1,993	1,729	1,618	1,655
Iowa	11,385	12,550	-9.3%	11,013	12,322	NM	NM	NM	33	NM	NM
Kansas	20,832	23,648	-12.0%	20,118	23,002	0	0	0	0	714	646
Minnesota	28,595	47,093	-39.0%	22,859	37,888	4,132	7,723	1,186	929	418	554
Missouri	32,285	34,100	-5.3%	23,698	25,937	7,872	7,390	694	763	NM	NM
Nebraska	4,231	4,941	-14.0%	4,080	4,770	0	0	NM	NM	NM	NM
North Dakota	106	91	16.0%	NM	NM	0	0	0	0	55	85
South Dakota	3,294	3,884	-15.0%	3,294	3,884	0	0	0	0	0	0
South Atlantic	1,737,167	1,732,272	0.3%	1,381,101	1,381,855	333,529	323,303	3,174	2,804	19,362	24,311
Delaware	46,679	46,585	0.2%	NM	NM	39,842	37,196	0	0	6,794	9,331
District of Columbia	902	898	0.4%	0	0	0	0	902	898	0	0
Florida	979,044	963,257	1.6%	910,664	888,164	60,475	66,587	161	155	7,743	8,350
Georgia	268,157	265,500	1.0%	188,522	199,520	77,474	62,102	0	0	2,161	3,878
Maryland	21,264	23,469	-9.4%	0	0	18,837	21,417	2,106	1,721	321	331
North Carolina	185,498	182,624	1.6%	125,849	120,624	59,080	61,409	2	25	566	566
South Carolina	82,157	88,056	-6.7%	70,363	74,594	11,353	12,687	NM	NM	438	772
Virginia	146,899	159,137	-7.7%	83,823	98,443	61,769	59,672	0	0	1,308	1,022
West Virginia	6,567	2,746	139.0%	1,836	452	4,699	2,233	0	0	31	62
East South Central	606,207	593,585	2.1%	327,487	335,298	253,860	233,761	1,331	1,313	23,529	23,214
Alabama	319,411	313,376	1.9%	98,367	98,555	213,581	206,839	0	0	7,463	7,981
Kentucky	27,155	15,655	73.0%	24,019	11,917	1,526	2,137	0	0	1,610	1,601
Mississippi	215,976	229,875	-6.0%	163,221	191,541	38,753	24,784	NM	NM	13,913	13,457
Tennessee	43,666	34,679	26.0%	41,880	33,284	0	0	1,242	1,221	544	174
West South Central	2,094,646	2,127,001	-1.5%	634,386	665,162	1,061,673	1,047,001	5,480	5,425	393,107	409,413
Arkansas	63,436	82,701	-23.0%	14,120	25,144	47,813	56,142	NM	NM	1,497	1,408
Louisiana	431,297	412,506	4.6%	196,511	172,442	69,389	63,010	215	224	165,183	176,831
Oklahoma	192,954	226,947	-15.0%	130,919	172,550	61,348	53,764	122	86	564	547
Texas	1,406,959	1,404,847	0.2%	292,837	295,026	883,123	874,085	5,137	5,109	225,863	230,627
Mountain	576,475	581,314	-0.8%	366,316	344,764	198,258	221,891	2,722	2,788	9,178	11,871
Arizona	185,333	189,840	-2.4%	87,206	81,160	97,184	107,708	942	973	0	0
Colorado	87,327	78,692	11.0%	50,433	43,893	36,772	34,580	47	42	75	177
Idaho	16,509	21,552	-23.0%	8,495	10,598	7,743	10,568	0	0	271	386
Montana	4,016	4,408	-8.9%	3,797	4,179	NM	NM	0	0	0	0
Nevada	153,469	165,718	-7.4%	119,830	123,745	32,201	39,450	614	602	824	1,922
New Mexico	67,529	67,106	0.6%	46,922	44,534	19,942	21,830	664	740	0	2
Utah	59,390	50,917	17.0%	49,291	36,284	4,022	7,341	454	432	5,623	6,859
Wyoming	2,903	3,080	-5.8%	NM	NM	NM	NM	0	0	2,385	2,525
Pacific Contiguous	933,659	924,940	0.9%	337,287	331,041	519,119	515,640	12,647	12,531	64,607	65,728
California	781,813	767,035	1.9%	243,390	239,760	462,204	450,334	12,335	12,139	63,884	64,801
Oregon	80,929	89,122	-9.2%	31,353	31,244	48,873	56,956	NM	379	455	543
Washington	70,917	68,783	3.1%	62,543	60,037	8,042	8,349	64	14	268	383
Pacific Noncontiguous	27,346	30,871	-11.0%	26,955	30,438	0	0	NM	NM	NM	416
Alaska	27,346	30,871	-11.0%	26,955	30,438	0	0	NM	NM	NM	416
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,785,938	7,818,257	-0.4%	3,419,213	3,468,552	3,771,621	3,723,401	55,046	54,180	540,057	572,125

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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, November 2014 and November 2013 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	1,242	956	30.0%	0	0	1,180	892	NM	NM	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	NM	NM	0	0	NM	NM	0	0	0	0
Massachusetts	339	354	-4.3%	0	0	339	354	0	0	0	0
New Hampshire	NM	193	NM	0	0	NM	129	NM	NM	0	0
Rhode Island	545	236	131.0%	0	0	545	236	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	4,669	4,761	-1.9%	0	0	4,635	4,729	NM	NM	0	0
New Jersey	NM	1,002	NM	0	0	NM	1,002	0	0	0	0
New York	1,536	1,573	-2.4%	0	0	1,536	1,573	0	0	0	0
Pennsylvania	2,175	2,185	-0.4%	0	0	2,141	2,153	NM	NM	0	0
East North Central	6,055	6,285	-3.7%	708	724	5,311	5,496	0	NM	NM	NM
Illinois	1,520	1,556	-2.3%	0	0	1,520	1,556	0	0	0	0
Indiana	706	725	-2.5%	670	686	0	0	0	0	NM	NM
Michigan	1,633	1,673	-2.4%	0	0	1,633	1,673	0	0	0	0
Ohio	991	1,014	-2.3%	NM	NM	972	995	0	0	0	0
Wisconsin	1,205	1,316	-8.5%	NM	NM	1,186	1,271	0	NM	0	0
West North Central	928	945	-1.8%	277	281	651	664	0	0	0	0
Iowa	205	208	-1.5%	0	0	205	208	0	0	0	0
Kansas	NM	126	NM	0	0	NM	126	0	0	0	0
Minnesota	340	348	-2.1%	NM	NM	274	281	0	0	0	0
Missouri	146	148	-0.9%	NM	NM	NM	NM	0	0	0	0
Nebraska	NM	115	NM	NM	115	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	3,580	3,677	-2.6%	448	457	2,658	2,706	NM	261	NM	NM
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	605	601	0.8%	164	167	441	434	0	0	0	0
Georgia	NM	288	NM	0	0	227	233	NM	NM	0	0
Maryland	NM	320	NM	0	0	NM	144	NM	NM	0	0
North Carolina	548	565	-2.9%	0	0	548	565	0	0	0	0
South Carolina	NM	576	NM	283	290	NM	NM	0	0	NM	NM
Virginia	1,144	1,167	-1.9%	0	0	1,116	1,137	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	316	323	-2.3%	233	238	NM	NM	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	233	238	-2.3%	233	238	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	0	0	0	0
West South Central	1,494	1,526	-2.1%	0	0	1,413	1,446	NM	NM	0	0
Arkansas	NM	125	NM	0	0	NM	125	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	1,372	1,401	-2.0%	0	0	1,291	1,320	NM	NM	0	0
Mountain	330	338	-2.4%	NM	NM	258	265	0	0	0	0
Arizona	NM	113	NM	NM	NM	NM	NM	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	NM	NM	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	124	NM	0	0	NM	124	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,077	5,724	-11.0%	744	756	2,837	3,025	NM	1,943	0	0
California	4,300	4,930	-13.0%	282	284	2,575	2,760	NM	1,887	0	0
Oregon	NM	439	NM	136	139	240	243	NM	NM	0	0
Washington	349	355	-1.9%	326	333	NM	NM	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	23,694	24,535	-3.4%	2,482	2,529	19,026	19,307	NM	2,406	NM	293

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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 November 2014 and November 2013 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	11,622	10,663	9.0%	0	0	11,063	10,068	560	594	0	0
Connecticut	699	704	-0.6%	0	0	699	704	0	0	0	0
Maine	610	614	-0.6%	0	0	610	614	0	0	0	0
Massachusetts	3,942	4,005	-1.6%	0	0	3,942	4,005	0	0	0	0
New Hampshire	2,001	2,045	-2.2%	0	0	1,441	1,451	560	594	0	0
Rhode Island	3,727	2,648	41.0%	0	0	3,727	2,648	0	0	0	0
Vermont	644	648	-0.6%	0	0	644	648	0	0	0	0
Middle Atlantic	50,470	51,646	-2.3%	0	0	50,172	51,335	NM	NM	0	0
New Jersey	10,829	10,946	-1.1%	0	0	10,829	10,946	0	0	0	0
New York	16,803	17,776	-5.5%	0	0	16,803	17,776	0	0	0	0
Pennsylvania	22,839	22,924	-0.4%	0	0	22,540	22,614	NM	NM	0	0
East North Central	63,637	70,644	-9.9%	7,341	8,168	55,824	61,905	NM	NM	NM	327
Illinois	17,182	17,598	-2.4%	0	0	17,182	17,598	0	0	0	0
Indiana	7,256	8,081	-10.0%	6,929	7,754	0	0	0	0	NM	327
Michigan	18,785	18,897	-0.6%	0	0	18,785	18,897	0	0	0	0
Ohio	6,696	11,456	-42.0%	208	209	6,488	11,247	0	0	0	0
Wisconsin	13,717	14,612	-6.1%	204	205	13,369	14,162	NM	NM	0	0
West North Central	10,595	10,648	-0.5%	3,118	3,134	7,477	7,514	0	0	0	0
Iowa	2,351	2,361	-0.4%	0	0	2,351	2,361	0	0	0	0
Kansas	1,423	1,429	-0.4%	0	0	1,423	1,429	0	0	0	0
Minnesota	3,893	3,916	-0.6%	731	735	3,162	3,181	0	0	0	0
Missouri	1,632	1,640	-0.5%	1,092	1,097	540	543	0	0	0	0
Nebraska	1,295	1,302	-0.6%	1,295	1,302	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	40,474	40,834	-0.9%	5,111	5,043	30,364	30,503	2,528	2,674	2,472	2,614
Delaware	1,542	1,551	-0.6%	0	0	1,542	1,551	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,815	6,690	1.9%	1,865	1,779	4,949	4,911	0	0	0	0
Georgia	3,131	3,178	-1.5%	0	0	2,616	2,632	515	546	0	0
Maryland	3,339	3,460	-3.5%	0	0	1,595	1,616	1,745	1,844	0	0
North Carolina	6,340	6,392	-0.8%	0	0	6,340	6,392	0	0	0	0
South Carolina	6,084	6,247	-2.6%	3,245	3,265	367	369	0	0	2,472	2,614
Virginia	12,959	13,050	-0.7%	0	0	12,692	12,767	NM	NM	0	0
West Virginia	264	266	-0.6%	0	0	264	266	0	0	0	0
East South Central	3,632	3,653	-0.6%	2,675	2,691	956	962	0	0	0	0
Alabama	252	254	-0.6%	0	0	252	254	0	0	0	0
Kentucky	2,675	2,691	-0.6%	2,675	2,691	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	704	708	-0.6%	0	0	704	708	0	0	0	0
West South Central	16,908	17,047	-0.8%	0	0	16,236	16,331	672	715	0	0
Arkansas	1,407	1,415	-0.6%	0	0	1,407	1,415	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	15,501	15,632	-0.8%	0	0	14,829	14,916	672	715	0	0
Mountain	3,804	3,827	-0.6%	827	832	2,977	2,995	0	0	0	0
Arizona	1,267	1,275	-0.6%	827	832	440	443	0	0	0	0
Colorado	631	635	-0.6%	0	0	631	635	0	0	0	0
Idaho	510	514	-0.6%	0	0	510	514	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	1,395	1,404	-0.6%	0	0	1,395	1,404	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	60,458	62,033	-2.5%	8,289	8,388	32,622	32,927	19,546	20,717	0	0
California	51,641	53,143	-2.8%	2,992	3,061	29,634	29,927	19,015	20,155	0	0
Oregon	4,841	4,893	-1.1%	1,567	1,577	2,743	2,753	532	563	0	0
Washington	3,975	3,997	-0.5%	3,730	3,750	245	247	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	261,600	270,994	-3.5%	27,362	28,257	207,690	214,541	23,749	25,256	2,799	2,941

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Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, November 2014 and November 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	312	294	6.0%	0	0	289	278	NM	16	0	0
Connecticut	113	107	6.0%	0	0	106	107	NM	0	0	0
Maine	NM	23	NM	0	0	8	7	NM	16	0	0
Massachusetts	164	153	7.2%	0	0	164	153	0	0	0	0
New Hampshire	12	12	3.1%	0	0	12	12	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	427	406	5.1%	0	0	338	319	89	87	0	0
New Jersey	111	108	2.9%	0	0	83	81	28	27	0	0
New York	160	157	2.0%	0	0	122	118	NM	39	0	0
Pennsylvania	156	142	10.0%	0	0	132	121	24	21	0	0
East North Central	20	18	13.0%	3	3	0	0	17	15	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	NM	1	NM	0	0	0	0	NM	1	0	0
Michigan	17	14	16.0%	0	0	0	0	17	14	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	5.6%	3	3	0	0	0	0	0	0
West North Central	48	55	-13.0%	29	37	16	16	NM	NM	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	48	55	-13.0%	29	37	16	16	NM	NM	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	400	392	2.2%	0	0	369	359	NM	33	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	252	247	2.0%	0	0	252	247	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	66	62	5.8%	0	0	66	62	NM	NM	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	83	83	-0.1%	0	0	51	50	NM	33	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	NM	1	NM	0	0	0	0	0	0	NM	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	1	NM	0	0	0	0	0	0	NM	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	NM	NM	0	0	NM	NM	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	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	61	56	9.7%	0	0	61	56	0	0	0	0
California	41	36	13.0%	0	0	41	36	0	0	0	0
Oregon	8	7	3.2%	0	0	8	7	0	0	0	0
Washington	12	12	3.3%	0	0	12	12	0	0	0	0
Pacific Noncontiguous	31	33	-5.0%	0	0	0	0	31	33	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	31	33	-5.0%	0	0	0	0	31	33	0	0
U.S. Total	1,300	1,254	3.7%	32	40	1,073	1,028	194	186	NM	1

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Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through November 2014 and November 2013 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	3,431	3,345	2.6%	0	0	3,266	3,181	165	164	0	0
Connecticut	1,254	1,217	3.1%	0	0	1,247	1,217	NM	0	0	0
Maine	243	248	-1.9%	0	0	85	84	158	164	0	0
Massachusetts	1,799	1,747	3.0%	0	0	1,799	1,747	0	0	0	0
New Hampshire	134	133	1.3%	0	0	134	133	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,594	4,575	0.4%	0	0	3,641	3,606	953	969	0	0
New Jersey	1,202	1,183	1.5%	0	0	891	870	311	314	0	0
New York	1,718	1,707	0.6%	0	0	1,322	1,296	396	411	0	0
Pennsylvania	1,675	1,685	-0.6%	0	0	1,429	1,440	246	245	0	0
East North Central	224	216	3.6%	30	32	0	0	194	185	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	9	10	-4.0%	0	0	0	0	9	10	0	0
Michigan	185	175	5.7%	0	0	0	0	185	175	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	30	32	-5.5%	30	32	0	0	0	0	0	0
West North Central	577	585	-1.4%	379	390	184	181	15	14	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	577	585	-1.4%	379	390	184	181	15	14	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	4,597	4,658	-1.3%	0	0	4,255	4,312	342	345	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	2,923	3,035	-3.7%	0	0	2,923	3,035	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	737	709	4.0%	0	0	737	709	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	937	913	2.6%	0	0	596	569	341	345	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	8	8	6.1%	0	0	0	0	0	0	8	8
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	8	8	6.1%	0	0	0	0	0	0	8	8
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2	2	-3.5%	0	0	2	2	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	2	2	-3.5%	0	0	2	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	661	666	-0.7%	0	0	661	666	0	0	0	0
California	437	445	-1.7%	0	0	437	445	0	0	0	0
Oregon	85	84	1.3%	0	0	85	84	0	0	0	0
Washington	139	137	1.3%	0	0	139	137	0	0	0	0
Pacific Noncontiguous	356	344	3.6%	0	0	0	0	356	344	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	356	344	3.6%	0	0	0	0	356	344	0	0
U.S. Total	14,451	14,399	0.4%	408	422	12,009	11,949	2,025	2,021	8	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.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2004 - November 2014

	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									
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
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
2014, End of Month Stocks									
January	132,324	26,770	298	107,330	19,870	216	24,993	6,900	82
February	118,949	28,285	265	96,571	20,218	191	22,378	8,068	74
March	117,974	28,215	349	95,229	20,513	282	22,745	7,701	67
April	128,321	28,506	514	103,097	20,681	451	25,224	7,825	63
May	136,218	28,364	457	107,482	20,457	374	28,736	7,907	83
June	132,885	28,604	407	103,362	20,500	354	29,523	8,103	54
July	125,389	27,921	381	97,269	19,888	300	28,120	8,033	81
August	121,042	28,043	388	92,819	20,028	289	28,222	8,015	99
Sept	124,176	28,403	389	95,675	20,049	297	28,502	8,354	92
October	136,188	29,319	510	104,905	20,391	394	31,283	8,927	116
November	141,742	30,993	640	109,948	20,652	510	31,794	10,341	130

Notes: See Glossary for definitions. Values for 2012 and prior years are final. Values for 2013 and 2014 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, November 2014 and 2013

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	November 2014	November 2013	Percentage Change	November 2014	November 2013	Percentage Change	November 2014	November 2013	Percentage Change
New England	1,467	1,197	23.0%	4,985	4,230	18.0%	0	0	--
Connecticut	W	W	W	1,694	1,491	14.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	2,064	1,738	19.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	W	0	W	W	W	W	0	0	--
Vermont	0	0	--	21	38	-44.0%	0	0	--
Middle Atlantic	8,283	6,792	22.0%	4,785	4,603	4.0%	W	W	W
New Jersey	861	1,003	-14.0%	714	811	-12.0%	0	0	--
New York	798	510	57.0%	3,060	3,100	-1.3%	0	0	--
Pennsylvania	6,623	5,280	25.0%	1,011	693	46.0%	W	W	W
East North Central	31,746	30,096	5.5%	1,164	1,146	1.6%	163	84	95.0%
Illinois	7,446	6,530	14.0%	85	95	-10.0%	0	0	--
Indiana	8,546	8,269	3.3%	194	109	78.0%	W	0	W
Michigan	6,178	6,316	-2.2%	359	412	-13.0%	W	W	W
Ohio	5,900	4,972	19.0%	303	300	0.7%	W	W	W
Wisconsin	3,677	4,009	-8.3%	223	229	-2.4%	W	W	W
West North Central	19,845	24,775	-20.0%	1,021	955	6.9%	0	0	--
Iowa	4,292	7,245	-41.0%	142	137	3.0%	0	0	--
Kansas	2,916	3,304	-12.0%	142	148	-3.9%	0	0	--
Minnesota	W	W	W	141	149	-5.1%	0	0	--
Missouri	5,851	7,549	-22.0%	400	296	35.0%	0	0	--
Nebraska	2,883	2,863	0.7%	106	119	-11.0%	0	0	--
North Dakota	1,573	1,105	42.0%	30	35	-17.0%	0	0	--
South Dakota	W	W	W	60	70	-15.0%	0	0	--
South Atlantic	27,691	32,536	-15.0%	12,111	12,628	-4.1%	W	W	W
Delaware	W	W	W	256	361	-29.0%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	W	5,230	W	5,948	6,436	-7.6%	W	W	W
Georgia	5,294	8,518	-38.0%	903	895	1.0%	0	0	--
Maryland	1,721	1,423	21.0%	736	765	-3.8%	0	0	--
North Carolina	W	5,273	W	1,213	1,069	13.0%	0	0	--
South Carolina	4,030	5,186	-22.0%	658	600	9.8%	0	0	--
Virginia	1,538	W	W	2,239	2,334	-4.1%	0	0	--
West Virginia	4,608	5,349	-14.0%	158	168	-5.8%	W	W	W
East South Central	15,881	16,916	-6.1%	1,876	1,993	-5.9%	W	W	W
Alabama	3,729	4,141	-9.9%	298	305	-2.3%	0	0	--
Kentucky	8,143	8,249	-1.3%	257	264	-2.6%	W	W	W
Mississippi	693	1,489	-53.0%	580	567	2.2%	0	0	--
Tennessee	3,316	3,037	9.2%	741	857	-14.0%	0	0	--
West South Central	19,741	25,412	-22.0%	2,068	2,325	-11.0%	W	W	W
Arkansas	2,626	3,485	-25.0%	W	W	W	0	0	--
Louisiana	3,381	3,955	-15.0%	523	642	-18.0%	W	W	W
Oklahoma	2,587	3,113	-17.0%	W	W	W	0	0	--
Texas	11,147	14,859	-25.0%	1,257	1,355	-7.2%	0	W	W
Mountain	15,879	16,763	-5.3%	564	635	-11.0%	W	W	W
Arizona	2,604	2,911	-11.0%	152	198	-23.0%	0	0	--
Colorado	3,328	3,776	-12.0%	107	120	-11.0%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	1,057	819	29.0%	177	179	-1.3%	0	0	--
New Mexico	W	W	W	42	45	-6.9%	0	0	--
Utah	3,517	4,410	-20.0%	35	44	-19.0%	0	0	--
Wyoming	3,464	2,940	18.0%	34	30	11.0%	0	0	--
Pacific Contiguous	W	W	W	283	370	-24.0%	0	W	W
California	0	W	W	116	185	-37.0%	0	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	2,136	2,286	-6.5%	0	0	--
Alaska	0	W	W	27	56	-52.0%	0	0	--
Hawaii	W	W	W	2,109	2,229	-5.4%	0	0	--
U.S. Total	141,742	155,754	-9.0%	30,993	31,170	-0.6%	640	338	90.0%

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

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, November 2014 and 2013

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**November 2014**	**November 2013**	**Percentage Change**	**November 2014**	**November 2013**	**November 2014**	**November 2013**
Coal (Thousand Tons)							
New England	1,467	1,197	22.5%	W	W	W	W
Middle Atlantic	8,283	6,792	22.0%	0	0	8,283	6,792
East North Central	31,746	30,096	5.5%	23,325	23,638	8,421	6,458
West North Central	19,845	24,775	-19.9%	19,845	24,775	0	0
South Atlantic	27,691	32,536	-14.9%	23,916	29,590	3,775	2,945
East South Central	15,881	16,916	-6.1%	W	16,916	W	0
West South Central	19,741	25,412	-22.3%	11,218	14,220	8,524	11,193
Mountain	15,879	16,763	-5.3%	14,672	15,646	1,207	1,117
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	0	W	W	W
U.S. Total	**141,742**	**155,754**	**-9.0%**	**109,948**	**126,278**	**31,794**	**29,477**
Petroleum Liquids (Thousand Barrels)							
New England	4,985	4,230	17.8%	886	656	4,099	3,574
Middle Atlantic	4,785	4,603	4.0%	1,553	2,030	3,232	2,573
East North Central	1,164	1,146	1.6%	941	W	223	W
West North Central	1,021	955	6.9%	995	929	26	26
South Atlantic	12,111	12,628	-4.1%	10,091	10,393	2,020	2,234
East South Central	1,876	1,993	-5.9%	W	W	W	W
West South Central	2,068	2,325	-11.1%	1,511	1,735	557	590
Mountain	564	635	-11.1%	W	W	W	W
Pacific Contiguous	283	370	-23.5%	239	W	43	W
Pacific Noncontiguous	2,136	2,286	-6.5%	W	W	W	W
U.S. Total	**30,993**	**31,170**	**-0.6%**	**20,652**	**21,773**	**10,341**	**9,397**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	163	84	95.0%	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	0	W	W	0	0	0	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**640**	**338**	**89.6%**	**W**	**250**	**W**	**87**

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

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2004 - November 2014

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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
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
2014, End of Month Stocks				
January	62,170	64,824	5,330	132,324
February	54,676	58,874	5,399	118,949
March	54,216	58,350	5,409	117,974
April	59,530	62,588	6,203	128,321
May	62,883	67,035	6,300	136,218
June	61,859	64,621	6,405	132,885
July	59,491	59,694	6,204	125,389
August	59,427	55,185	6,429	121,042
Sept	62,248	55,877	6,052	124,176
October	68,239	61,876	6,074	136,188
November	69,679	66,508	5,554	141,742

Notes: See Glossary for definitions.
Values for 2012 and prior years are final. Values for 2013 and 2014 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), 2004 - November 2014

	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												
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
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
2014												
January	1,295,681	67,813	2.30	43.88	1.26	79.4	26,826	4,498	21.85	130.48	0.42	40.7
February	1,191,664	61,243	2.33	45.26	1.35	78.6	26,033	4,284	21.60	131.44	0.44	127.3
March	1,374,868	69,854	2.37	46.58	1.35	94.4	15,151	2,506	21.94	132.69	0.44	64.9
April	1,295,750	65,274	2.40	47.56	1.35	108.4	8,908	1,474	22.89	138.33	0.41	87.4
May	1,357,455	69,014	2.39	47.10	1.38	105.3	8,608	1,429	21.15	127.40	0.46	80.8
June	1,342,562	68,561	2.38	46.61	1.36	90.3	9,308	1,541	21.41	129.32	0.45	89.8
July	1,404,469	72,363	2.37	46.03	1.28	87.1	8,413	1,392	21.29	128.63	0.50	73.3
August	1,460,354	74,999	2.37	46.10	1.33	90.8	9,143	1,503	20.63	125.49	0.51	75.2
Sept	1,377,100	70,584	2.37	46.24	1.34	99.9	10,201	1,683	19.69	119.51	0.51	95.3
October	1,390,364	71,389	2.30	44.86	1.30	113.8	12,820	2,128	18.49	111.48	0.48	126.8
November	1,345,266	69,402	2.30	44.59	1.30	105.0	17,640	2,934	16.53	99.41	0.41	155.5
Year to Date												
2012	14,895,871	770,143	2.38	46.13	1.24	100.0	106,163	17,640	21.97	132.25	0.51	75.3
2013	14,276,733	736,193	2.35	45.53	1.30	92.0	112,546	18,525	20.53	124.76	0.46	80.3
2014	14,835,533	760,496	2.35	45.89	1.33	94.6	153,051	25,372	20.67	124.75	0.45	77.7
Rolling 12 Months Ending in November												
2013	15,646,440	807,233	2.35	45.53	1.30	92.2	123,320	20,349	20.54	124.50	0.47	80.3
2014	16,129,555	827,509	2.35	45.84	1.32	93.7	164,072	27,195	20.71	124.99	0.45	77.0

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

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2004 - November 2014 (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												
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
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
2014												
January	9,894	350	1.73	48.87	5.25	66.0	708,596	690,842	7.03	7.21	89.5	4.09
February	10,083	356	W	W	5.46	82.8	587,256	572,056	7.39	7.59	87.8	W
March	12,939	457	2.00	56.64	5.81	91.6	604,201	588,706	6.00	6.15	88.9	3.53
April	12,734	449	2.11	59.89	5.62	122.2	594,177	578,775	5.07	5.21	89.8	3.26
May	12,593	446	2.18	61.41	5.55	109.8	687,196	668,314	4.93	5.07	90.1	3.26
June	11,435	400	2.05	58.67	5.77	93.4	763,160	741,720	4.82	4.96	91.0	3.27
July	11,392	399	1.88	53.73	5.69	85.4	883,753	857,923	4.43	4.57	91.2	3.17
August	12,517	439	1.95	55.68	5.51	92.8	941,830	913,593	4.12	4.24	91.6	3.07
Sept	11,559	406	1.90	54.12	5.43	88.1	804,161	779,740	4.19	4.32	90.0	3.07
October	10,797	381	1.77	50.25	5.31	122.7	741,469	718,905	4.09	4.22	90.2	2.97
November	11,980	421	1.84	52.32	5.45	112.9	645,350	625,622	4.48	4.62	89.5	3.06
Year to Date												
2012	106,639	3,722	2.26	64.84	5.54	81.0	9,091,625	8,891,246	3.36	3.44	92.0	2.82
2013	117,488	4,122	2.18	62.14	5.40	74.6	7,966,344	7,770,679	4.28	4.38	90.0	3.08
2014	127,924	4,504	1.96	55.56	5.54	94.9	7,961,148	7,736,197	5.04	5.19	90.1	3.34
Rolling 12 Months Ending in November												
2013	130,517	4,580	W	W	5.43	76.9	8,621,411	8,410,822	4.27	4.38	90.1	W
2014	140,173	4,938	W	W	5.55	93.9	8,672,349	8,428,821	5.03	5.17	90.0	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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2004 - November 2014

	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												
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
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
2014												
January	926,836	47,957	2.30	44.54	1.17	76.8	12,029	2,016	21.72	129.65	0.32	43.8
February	863,914	43,902	2.33	45.91	1.28	78.2	12,405	2,045	21.75	132.02	0.49	112.2
March	988,920	49,861	2.38	47.13	1.30	94.2	8,996	1,474	21.54	131.41	0.39	78.6
April	949,979	47,518	2.41	48.24	1.29	112.5	6,686	1,098	23.30	141.86	0.36	91.2
May	996,083	50,111	2.42	48.20	1.32	104.6	5,368	894	21.83	131.06	0.34	71.8
June	992,040	49,981	2.41	47.75	1.29	88.2	6,342	1,050	21.67	130.93	0.34	89.9
July	1,048,298	53,172	2.40	47.43	1.22	86.7	5,999	988	21.28	129.22	0.47	75.8
August	1,090,914	55,193	2.41	47.56	1.27	90.1	6,888	1,124	20.62	126.42	0.50	83.4
Sept	1,034,021	52,303	2.41	47.58	1.27	101.6	6,927	1,138	19.90	121.14	0.48	86.0
October	1,040,271	52,787	2.33	45.87	1.26	115.2	6,948	1,150	19.34	117.04	0.48	97.5
November	1,000,204	50,949	2.33	45.73	1.24	107.5	7,528	1,240	17.71	107.59	0.50	99.7
Year to Date												
2012	10,942,097	558,181	2.43	47.60	1.18	99.5	78,777	13,041	22.18	133.96	0.40	80.6
2013	10,529,578	537,881	2.38	46.60	1.23	92.3	70,885	11,620	21.04	128.36	0.43	77.4
2014	10,931,479	553,734	2.38	46.92	1.27	94.6	86,117	14,216	21.03	127.43	0.43	77.6
Rolling 12 Months Ending in November												
2013	11,527,024	589,146	2.38	46.60	1.23	92.5	78,137	12,831	21.07	128.31	0.42	78.4
2014	11,881,549	602,322	2.38	46.88	1.26	93.8	93,538	15,446	21.09	127.76	0.42	78.3

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

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2004 - November 2014 (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												
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
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
2014												
January	8,753	309	1.72	48.60	5.22	88.7	308,366	301,321	6.20	6.34	97.9	3.44
February	8,883	312	2.01	57.15	5.47	113.1	247,398	241,650	7.01	7.18	98.0	3.55
March	11,235	396	1.94	54.97	5.85	119.1	257,274	251,457	5.92	6.06	98.8	3.22
April	11,184	394	2.07	58.69	5.61	186.0	258,751	252,596	5.34	5.47	98.9	3.13
May	10,813	383	2.13	60.11	5.57	127.3	315,079	306,960	5.26	5.40	96.9	3.17
June	9,321	325	1.97	56.35	5.85	99.7	332,944	324,317	5.16	5.30	97.4	3.17
July	9,697	339	1.79	51.25	5.70	119.2	374,201	363,576	4.83	4.97	96.5	3.11
August	10,451	365	1.85	52.89	5.51	127.9	406,371	394,709	4.46	4.59	96.7	3.03
Sept	9,844	345	1.81	51.54	5.40	128.7	333,588	323,732	4.64	4.78	95.4	3.02
October	9,240	326	1.65	46.75	5.25	183.7	304,853	295,850	4.57	4.71	96.3	2.90
November	10,079	354	1.70	48.51	5.43	159.9	273,664	265,491	4.75	4.90	97.3	2.92
Year to Date												
2012	64,891	2,245	2.33	67.37	5.45	116.0	3,805,924	3,730,656	3.68	3.76	97.5	2.85
2013	89,304	3,120	2.13	60.88	5.29	99.5	3,435,630	3,360,438	4.46	4.56	96.9	2.97
2014	109,499	3,849	1.88	53.52	5.54	126.9	3,412,488	3,321,659	5.21	5.36	97.2	3.14
Rolling 12 Months Ending in November												
2013	97,195	3,396	2.12	60.70	5.31	102.7	3,713,285	3,633,239	4.46	4.56	97.0	2.97
2014	119,283	4,192	1.88	53.44	5.56	126.8	3,713,806	3,615,848	5.19	5.33	97.1	3.14

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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.

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, 2004 - November 2014

	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												
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
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
2014												
January	351,567	19,088	2.25	41.36	1.46	90.7	14,487	2,432	22.03	131.48	0.46	43.1
February	311,297	16,615	2.27	42.58	1.54	83.2	13,355	2,195	21.47	130.96	0.38	186.9
March	367,068	19,161	2.31	44.22	1.49	99.7	6,040	1,013	22.58	134.67	0.52	62.4
April	329,629	17,032	2.32	44.88	1.52	104.2	2,114	358	21.86	128.91	0.48	121.4
May	345,115	18,178	2.28	43.32	1.55	113.7	3,114	515	20.13	121.81	0.52	151.6
June	334,501	17,873	2.28	42.62	1.53	101.1	2,781	462	21.06	126.86	0.51	133.8
July	338,433	18,407	2.23	40.92	1.45	91.8	2,293	385	21.58	128.67	0.50	94.9
August	351,265	19,006	2.20	40.73	1.49	96.5	2,146	361	W	W	0.49	79.3
Sept	326,150	17,536	2.21	41.14	1.55	99.8	3,143	523	19.25	116.15	0.50	188.7
October	332,719	17,836	2.18	40.69	1.41	116.4	5,736	956	17.56	105.37	0.44	275.1
November	327,954	17,698	2.18	40.37	1.46	103.7	9,964	1,670	15.61	93.19	0.36	398.8
Year to Date												
2012	3,688,276	199,671	2.21	40.84	1.41	105.3	20,985	3,555	22.72	134.22	0.43	80.8
2013	3,564,150	190,236	2.21	41.41	1.49	95.7	39,760	6,597	19.69	118.78	0.45	117.5
2014	3,715,700	198,430	2.25	42.06	1.50	99.2	65,173	10,870	20.23	121.46	0.44	96.0
Rolling 12 Months Ending in November												
2013	3,912,310	208,905	2.21	41.44	1.49	96.1	42,698	7,115	W	W	0.46	112.6
2014	4,042,248	216,080	2.24	41.97	1.49	98.1	68,651	11,443	W	W	0.44	93.3

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Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
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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, 2004 - November 2014 (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												
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
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
2014												
January	922	33	W	W	5.35	51.9	336,351	327,554	8.50	8.73	92.6	W
February	1,039	38	0.00	0.00	5.27	60.8	282,583	274,887	8.21	8.44	89.4	5.16
March	1,127	41	W	W	5.47	62.5	285,397	277,577	6.35	6.53	91.7	W
April	1,047	37	W	W	5.53	57.9	278,793	271,192	4.86	5.00	92.4	W
May	1,419	50	W	W	5.35	88.8	314,442	305,472	4.55	4.69	92.5	W
June	1,349	47	W	W	5.24	103.8	371,601	360,629	4.46	4.60	93.5	W
July	1,124	39	W	W	5.55	67.8	446,952	433,735	4.03	4.15	93.7	W
August	1,401	49	W	W	5.39	83.2	472,333	457,856	3.77	3.89	94.1	W
Sept	946	33	W	W	5.29	47.4	412,847	400,213	3.77	3.89	93.2	W
October	821	29	W	W	5.26	89.5	380,154	368,467	3.64	3.75	93.4	W
November	1,066	36	W	W	5.29	86.5	311,785	302,247	4.30	4.43	92.7	W
Year to Date												
2012	20,659	719	0.84	24.50	5.48	89.4	4,509,162	4,403,436	3.12	3.19	94.0	2.71
2013	14,611	519	W	W	5.39	62.6	3,847,543	3,746,994	4.18	4.29	93.1	W
2014	12,261	435	W	W	5.36	70.0	3,893,238	3,779,827	4.96	5.11	92.8	W
Rolling 12 Months Ending in November												
2013	16,976	602	W	W	5.42	67.2	4,148,934	4,040,195	4.17	4.27	93.0	W
2014	13,799	490	W	W	5.37	70.1	4,236,409	4,113,617	4.96	5.11	92.8	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, 2004 - November 2014

	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												
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
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
2014												
January	400	18	W	W	3.06	11.8	0	0	--	--	--	0.0
February	407	18	W	W	2.91	12.2	0	0	--	--	--	0.0
March	452	20	W	W	2.72	13.9	0	0	--	--	--	0.0
April	364	15	W	W	1.91	13.3	0	0	--	--	--	0.0
May	475	21	W	W	2.54	22.1	0	0	--	--	--	0.0
June	116	5	W	W	2.88	5.5	0	0	--	--	--	0.0
July	261	11	W	W	2.52	11.2	0	0	--	--	--	0.0
August	159	7	W	W	2.96	7.3	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	14.6	0	0	--	--	--	0.0
October	313	14	W	W	2.72	15.4	0	0	--	--	--	0.0
November	229	10	W	W	3.00	8.7	0	0	--	--	--	0.0
Year to Date												
2012	3,915	170	3.47	80.12	2.69	13.0	228	40	W	W	0.00	11.1
2013	3,253	140	W	W	3.02	11.0	0	0	--	--	--	0.0
2014	3,482	151	W	W	2.68	12.4	0	0	--	--	--	0.0
Rolling 12 Months Ending in November												
2013	3,764	162	W	W	3.04	11.4	18	3	W	W	0.00	0.8
2014	3,736	162	W	W	2.74	12.0	0	0	--	--	--	0.0

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2004 - November 2014 (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												
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
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
2014												
January	0	0	--	--	--	0.0	405	400	W	W	4.1	W
February	0	0	--	--	--	0.0	296	292	W	W	3.3	W
March	0	0	--	--	--	0.0	354	349	W	W	4.1	W
April	0	0	--	--	--	0.0	439	435	W	W	5.3	W
May	0	0	--	--	--	0.0	490	486	W	W	5.8	W
June	0	0	--	--	--	0.0	438	435	W	W	5.1	W
July	0	0	--	--	--	0.0	475	471	W	W	5.2	W
August	0	0	--	--	--	0.0	624	619	W	W	6.5	W
Sept	0	0	--	--	--	0.0	553	548	W	W	6.3	W
October	0	0	--	--	--	0.0	578	573	W	W	6.7	W
November	0	0	--	--	--	0.0	476	471	W	W	5.5	W
Year to Date												
2012	0	0	--	--	--	0.0	16,617	16,342	5.85	5.95	15.9	W
2013	0	0	--	--	--	0.0	4,899	4,859	W	W	5.1	W
2014	0	0	--	--	--	0.0	5,127	5,080	W	W	5.3	W
Rolling 12 Months Ending in November												
2013	0	0	--	--	--	0.0	6,596	6,524	W	W	6.2	W
2014	0	0	--	--	--	0.0	5,726	5,672	W	W	5.3	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2004 - November 2014

	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												
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
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
2014												
January	16,877	750	W	W	1.49	41.6	310	50	19.16	117.73	1.34	10.0
February	16,046	707	W	W	1.53	43.0	274	44	20.61	127.88	1.01	16.4
March	18,428	812	W	W	1.63	46.2	115	19	21.18	130.19	1.11	7.4
April	15,778	709	W	W	1.46	46.6	107	17	17.49	109.27	1.76	10.7
May	15,782	704	W	W	1.47	45.3	126	20	17.42	107.63	1.81	13.1
June	15,905	703	W	W	1.61	46.0	185	30	18.05	111.09	1.86	17.2
July	17,478	773	W	W	1.49	48.5	121	20	15.79	98.08	1.72	11.9
August	18,015	794	W	W	1.58	49.7	110	18	W	W	1.64	10.6
Sept	16,624	732	W	W	1.47	47.7	132	22	17.63	107.87	1.95	15.2
October	17,061	752	W	W	1.59	50.4	135	22	16.12	98.52	1.65	17.1
November	16,880	745	W	W	1.61	49.9	148	25	17.58	105.86	1.47	12.5
Year to Date												
2012	261,583	12,121	3.02	65.20	1.33	66.2	6,174	1,004	W	W	1.50	40.6
2013	179,752	7,935	W	W	1.51	44.5	1,901	309	18.37	113.23	1.66	15.0
2014	184,872	8,180	W	W	1.54	46.7	1,761	286	18.34	112.84	1.52	12.4
Rolling 12 Months Ending in November												
2013	203,341	9,020	W	W	1.48	46.0	2,466	399	W	W	1.64	17.7
2014	202,022	8,945	W	W	1.55	46.4	1,884	306	W	W	1.52	12.2

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See Glossary for definitions.
Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2004 - November 2014 (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												
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
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
2014												
January	219	8	W	W	6.07	6.7	63,475	61,566	W	W	60.9	W
February	161	6	W	W	6.30	6.3	56,978	55,227	W	W	62.5	W
March	577	21	W	W	5.82	20.9	61,176	59,323	W	W	61.5	W
April	503	18	W	W	6.00	19.8	56,194	54,552	W	W	62.3	W
May	361	13	W	W	5.57	27.3	57,185	55,396	W	W	64.1	W
June	766	27	W	W	5.67	48.4	58,176	56,340	W	W	64.2	W
July	571	20	W	W	5.85	16.0	62,125	60,142	W	W	65.3	W
August	666	24	W	W	5.86	19.1	62,501	60,408	W	W	64.5	W
Sept	769	27	W	W	6.00	22.8	57,174	55,248	W	W	62.0	W
October	736	26	W	W	6.00	26.2	55,885	54,016	W	W	62.1	W
November	835	31	W	W	5.89	28.5	59,425	57,413	W	W	63.1	W
Year to Date												
2012	21,088	758	2.64	73.34	5.84	41.1	759,921	740,813	2.89	2.97	70.5	W
2013	13,573	482	W	W	6.12	31.1	678,272	658,388	W	W	63.2	W
2014	6,164	220	W	W	5.88	20.5	650,295	629,631	W	W	62.9	W
Rolling 12 Months Ending in November												
2013	16,346	582	W	W	6.11	33.5	752,596	730,863	W	W	64.1	W
2014	7,091	255	W	W	5.83	20.7	716,408	693,684	W	W	62.8	W

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

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

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, November 2014 and 2013
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	136	100	35.0%	35	57	98	42	0	0	2	2
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	5	1.4%	0	0	3	3	0	0	2	2
Massachusetts	95	38	148.0%	0	0	95	38	0	0	0	0
New Hampshire	35	57	-38.0%	35	57	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	2,566	2,818	-8.9%	0	0	2,528	2,788	0	0	38	29
New Jersey	93	77	21.0%	0	0	93	77	0	0	0	0
New York	124	120	3.0%	0	0	98	104	0	0	25	16
Pennsylvania	2,349	2,621	-10.0%	0	0	2,336	2,608	0	0	13	13
East North Central	16,748	15,171	10.0%	10,735	9,769	5,747	5,124	0	0	266	279
Illinois	5,482	5,006	9.5%	445	535	4,846	4,301	0	0	190	170
Indiana	3,482	3,116	12.0%	3,232	2,839	251	277	0	0	0	0
Michigan	2,851	2,242	27.0%	2,842	2,232	0	0	0	0	9	10
Ohio	3,061	2,941	4.1%	2,387	2,374	650	545	0	0	24	22
Wisconsin	1,872	1,865	0.4%	1,830	1,789	0	0	0	0	42	77
West North Central	11,226	10,745	4.5%	11,111	10,628	0	0	10	9	106	108
Iowa	1,533	1,352	13.0%	1,428	1,243	0	0	0	0	106	108
Kansas	1,327	1,664	-20.0%	1,327	1,664	0	0	0	0	0	0
Minnesota	1,544	1,190	30.0%	1,544	1,190	0	0	0	0	0	0
Missouri	3,543	3,387	4.6%	3,533	3,379	0	0	10	9	0	0
Nebraska	1,224	1,249	-2.0%	1,224	1,249	0	0	0	0	0	0
North Dakota	1,971	1,750	13.0%	1,971	1,750	0	0	0	0	0	0
South Dakota	83	151	-45.0%	83	151	0	0	0	0	0	0
South Atlantic	10,019	9,522	5.2%	8,281	7,548	1,582	1,825	0	0	156	150
Delaware	12	45	-74.0%	0	0	12	45	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,034	1,680	21.0%	1,983	1,628	51	52	0	0	0	0
Georgia	1,592	1,545	3.0%	1,556	1,519	0	0	0	0	36	26
Maryland	547	540	1.2%	0	0	517	510	0	0	30	30
North Carolina	1,339	1,297	3.3%	1,339	1,297	0	0	0	0	0	0
South Carolina	1,053	822	28.0%	1,034	802	0	0	0	0	19	20
Virginia	719	898	-20.0%	661	824	34	43	0	0	25	32
West Virginia	2,723	2,695	1.0%	1,708	1,479	969	1,175	0	0	46	41
East South Central	6,556	6,904	-5.0%	6,323	6,497	115	270	0	0	118	137
Alabama	1,774	2,079	-15.0%	1,774	2,079	0	0	0	0	0	0
Kentucky	3,280	3,298	-0.6%	3,280	3,298	0	0	0	0	0	0
Mississippi	319	367	-13.0%	204	97	115	270	0	0	0	0
Tennessee	1,183	1,159	2.1%	1,065	1,022	0	0	0	0	118	137
West South Central	12,852	11,675	10.0%	6,538	5,954	6,308	5,721	0	0	5	0
Arkansas	1,626	1,747	-6.9%	1,440	1,518	181	229	0	0	5	0
Louisiana	991	1,021	-3.0%	528	410	462	612	0	0	0	0
Oklahoma	1,760	1,515	16.0%	1,637	1,406	122	109	0	0	0	0
Texas	8,475	7,392	15.0%	2,933	2,621	5,542	4,771	0	0	0	0
Mountain	8,652	8,498	1.8%	7,801	7,925	851	573	0	0	0	0
Arizona	1,856	1,846	0.5%	1,856	1,846	0	0	0	0	0	0
Colorado	1,617	1,525	6.0%	1,617	1,525	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	792	511	55.0%	0	0	792	511	0	0	0	0
Nevada	400	192	109.0%	340	130	60	61	0	0	0	0
New Mexico	881	1,249	-30.0%	881	1,249	0	0	0	0	0	0
Utah	1,143	1,135	0.8%	1,143	1,135	0	0	0	0	0	0
Wyoming	1,964	2,040	-3.7%	1,964	2,040	0	0	0	0	0	0
Pacific Contiguous	529	701	-25.0%	124	151	351	495	0	0	54	55
California	54	55	-1.4%	0	0	0	0	0	0	54	55
Oregon	124	151	-18.0%	124	151	0	0	0	0	0	0
Washington	351	495	-29.0%	0	0	351	495	0	0	0	0
Pacific Noncontiguous	117	61	94.0%	0	0	117	61	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	117	61	94.0%	0	0	117	61	0	0	0	0
U.S. Total	69,402	66,194	4.8%	50,949	48,528	17,698	16,898	10	9	745	760

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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) November 2014 and 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	2,364	2,448	-3.4%	489	676	1,848	1,748	0	0	27	24
Connecticut	470	237	98.0%	0	0	470	237	0	0	0	0
Maine	77	56	38.0%	0	0	49	32	0	0	27	24
Massachusetts	1,159	1,478	-22.0%	0	0	1,159	1,478	0	0	0	0
New Hampshire	489	676	-28.0%	489	676	0	0	0	0	0	0
Rhode Island	169	0	--	0	0	169	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	33,840	33,446	1.2%	0	0	33,412	33,056	0	0	428	390
New Jersey	970	1,010	-4.0%	0	0	970	1,010	0	0	0	0
New York	2,770	2,297	21.0%	0	0	2,479	1,989	0	0	291	308
Pennsylvania	30,101	30,138	-0.1%	0	0	29,963	30,056	0	0	137	82
East North Central	176,726	168,589	4.8%	114,987	110,878	58,969	55,066	70	58	2,700	2,588
Illinois	56,332	54,011	4.3%	4,758	5,858	49,755	46,441	0	0	1,819	1,712
Indiana	37,364	33,139	13.0%	34,762	30,805	2,602	2,334	0	0	0	0
Michigan	26,744	26,008	2.8%	26,367	25,713	219	138	70	58	89	100
Ohio	36,099	34,650	4.2%	29,453	28,276	6,393	6,152	0	0	253	223
Wisconsin	20,187	20,781	-2.9%	19,648	20,226	0	0	0	0	539	554
West North Central	120,170	117,908	1.9%	118,927	116,648	0	0	81	83	1,162	1,178
Iowa	16,181	17,242	-6.2%	15,019	16,064	0	0	0	0	1,162	1,178
Kansas	16,631	16,925	-1.7%	16,631	16,925	0	0	0	0	0	0
Minnesota	14,154	11,094	28.0%	14,154	11,094	0	0	0	0	0	0
Missouri	37,408	37,695	-0.8%	37,327	37,612	0	0	81	83	0	0
Nebraska	13,742	13,544	1.5%	13,742	13,544	0	0	0	0	0	0
North Dakota	20,455	19,805	3.3%	20,455	19,805	0	0	0	0	0	0
South Dakota	1,599	1,604	-0.3%	1,599	1,604	0	0	0	0	0	0
South Atlantic	111,083	100,469	11.0%	88,170	80,170	21,294	18,823	0	0	1,619	1,476
Delaware	465	533	-13.0%	0	0	465	533	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19,688	17,807	11.0%	18,922	17,101	766	706	0	0	0	0
Georgia	18,840	17,501	7.6%	18,426	17,175	0	0	0	0	414	326
Maryland	7,634	6,284	21.0%	0	0	7,304	5,978	0	0	330	306
North Carolina	15,176	13,871	9.4%	15,176	13,871	0	0	0	0	0	0
South Carolina	9,983	8,341	20.0%	9,805	8,203	0	0	0	0	178	139
Virginia	9,139	8,545	7.0%	8,132	7,595	711	534	0	0	297	416
West Virginia	30,159	27,586	9.3%	17,711	16,225	12,048	11,072	0	0	400	289
East South Central	79,560	78,077	1.9%	75,555	73,212	2,622	3,407	0	0	1,384	1,459
Alabama	21,135	20,495	3.1%	21,135	20,495	0	0	0	0	0	0
Kentucky	34,523	35,441	-2.6%	34,523	35,441	0	0	0	0	0	0
Mississippi	5,654	5,337	5.9%	3,032	1,930	2,622	3,407	0	0	0	0
Tennessee	18,248	16,804	8.6%	16,864	15,345	0	0	0	0	1,384	1,459
West South Central	135,152	134,284	0.6%	68,569	68,360	66,530	65,924	0	0	53	0
Arkansas	16,967	16,084	5.5%	15,083	14,196	1,831	1,888	0	0	53	0
Louisiana	10,926	13,052	-16.0%	5,084	6,745	5,842	6,307	0	0	0	0
Oklahoma	16,741	15,345	9.1%	15,681	14,323	1,060	1,022	0	0	0	0
Texas	90,518	89,803	0.8%	32,721	33,096	57,797	56,707	0	0	0	0
Mountain	93,939	94,777	-0.9%	85,018	86,515	8,648	8,035	0	0	273	227
Arizona	20,655	19,817	4.2%	20,655	19,817	0	0	0	0	0	0
Colorado	15,736	16,509	-4.7%	15,736	16,509	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	7,938	7,339	8.2%	0	0	7,938	7,339	0	0	0	0
Nevada	3,663	2,178	68.0%	2,952	1,482	710	696	0	0	0	0
New Mexico	10,709	13,194	-19.0%	10,709	13,194	0	0	0	0	0	0
Utah	12,476	13,007	-4.1%	12,203	12,780	0	0	0	0	273	227
Wyoming	22,763	22,733	0.1%	22,763	22,733	0	0	0	0	0	0
Pacific Contiguous	6,936	5,528	25.0%	2,020	1,423	4,382	3,512	0	0	534	593
California	717	740	-3.1%	0	0	183	148	0	0	534	593
Oregon	2,020	1,423	42.0%	2,020	1,423	0	0	0	0	0	0
Washington	4,199	3,364	25.0%	0	0	4,199	3,364	0	0	0	0
Pacific Noncontiguous	725	666	8.8%	0	0	725	666	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	725	666	8.8%	0	0	725	666	0	0	0	0
U.S. Total	760,496	736,193	3.3%	553,734	537,881	198,430	190,236	151	140	8,180	7,935

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, November 2014 and 2013
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	1,074	781	37.0%	66	74	1,001	706	0	0	7	1
Connecticut	346	279	24.0%	0	0	346	279	0	0	0	0
Maine	178	99	80.0%	0	0	171	98	0	0	7	1
Massachusetts	509	291	75.0%	64	23	445	268	0	0	0	0
New Hampshire	40	109	-64.0%	2	51	38	58	0	0	0	0
Rhode Island	0	3	-100.0%	0	0	0	3	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	433	76	470.0%	114	0	317	75	0	0	2	1
New Jersey	17	1	NM	0	0	17	1	0	0	0	0
New York	221	54	311.0%	114	0	105	53	0	0	2	1
Pennsylvania	195	21	830.0%	0	0	195	21	0	0	0	0
East North Central	143	126	14.0%	120	105	22	18	0	0	1	3
Illinois	17	11	60.0%	5	2	12	8	0	0	0	0
Indiana	60	22	174.0%	60	22	0	0	0	0	0	0
Michigan	15	15	2.4%	15	14	0	0	0	0	0	1
Ohio	35	67	-48.0%	26	56	9	10	0	0	1	2
Wisconsin	16	12	37.0%	15	12	1	0	0	0	0	0
West North Central	74	26	186.0%	74	26	0	0	0	0	0	0
Iowa	17	8	105.0%	17	8	0	0	0	0	0	0
Kansas	3	2	28.0%	3	2	0	0	0	0	0	0
Minnesota	12	5	159.0%	12	5	0	0	0	0	0	0
Missouri	39	6	587.0%	39	6	0	0	0	0	0	0
Nebraska	1	3	-63.0%	1	3	0	0	0	0	0	0
North Dakota	1	2	-36.0%	1	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	339	162	110.0%	189	114	137	43	0	0	14	5
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	38	12	215.0%	35	10	3	2	0	0	0	0
Georgia	49	18	180.0%	40	14	4	0	0	0	5	3
Maryland	52	27	91.0%	0	0	52	27	0	0	0	0
North Carolina	16	36	-55.0%	16	36	0	0	0	0	0	0
South Carolina	18	22	-19.0%	11	21	0	0	0	0	7	1
Virginia	140	22	531.0%	67	8	71	14	0	0	2	0
West Virginia	26	25	4.1%	19	25	7	0	0	0	0	0
East South Central	32	47	-32.0%	30	45	1	0	0	0	1	2
Alabama	8	5	46.0%	7	5	1	0	0	0	0	0
Kentucky	13	32	-58.0%	13	32	0	0	0	0	0	0
Mississippi	5	5	11.0%	5	2	0	0	0	0	0	2
Tennessee	6	5	10.0%	5	5	0	0	0	0	1	0
West South Central	81	33	141.0%	64	14	17	19	0	0	0	0
Arkansas	2	13	-84.0%	0	10	2	3	0	0	0	0
Louisiana	53	9	486.0%	48	0	5	9	0	0	0	0
Oklahoma	11	0	--	11	0	0	0	0	0	0	0
Texas	15	12	28.0%	5	4	10	7	0	0	0	0
Mountain	23	42	-44.0%	20	39	4	3	0	0	0	0
Arizona	8	14	-44.0%	8	14	0	0	0	0	0	0
Colorado	0	0	-13.0%	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	2	62.0%	0	0	3	2	0	0	0	0
Nevada	1	3	-64.0%	1	3	0	1	0	0	0	0
New Mexico	4	14	-75.0%	4	14	0	0	0	0	0	0
Utah	1	3	-68.0%	1	3	0	0	0	0	0	0
Wyoming	6	5	32.0%	6	5	0	0	0	0	0	0
Pacific Contiguous	0	5	-96.0%	0	4	0	1	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	5	-96.0%	0	4	0	1	0	0	0	0
Pacific Noncontiguous	735	796	-7.6%	563	613	172	183	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	735	796	-7.6%	563	613	172	183	0	0	0	0
U.S. Total	2,934	2,094	40.0%	1,240	1,033	1,670	1,049	0	0	25	12

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) November 2014 and 2013 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	4,179	2,919	43.0%	645	415	3,487	2,481	0	0	47	23
Connecticut	989	488	103.0%	0	0	989	488	0	0	0	0
Maine	498	807	-38.0%	0	0	451	784	0	0	47	23
Massachusetts	1,864	1,255	48.0%	301	150	1,563	1,105	0	0	0	0
New Hampshire	611	347	76.0%	345	265	267	82	0	0	0	0
Rhode Island	217	23	852.0%	0	0	217	23	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,630	1,942	138.0%	1,014	439	3,602	1,484	0	0	14	20
New Jersey	283	50	465.0%	0	0	283	50	0	0	0	0
New York	3,123	1,485	110.0%	1,014	439	2,095	1,027	0	0	13	18
Pennsylvania	1,225	408	200.0%	0	0	1,224	406	0	0	1	1
East North Central	1,338	1,033	30.0%	906	802	393	204	0	0	39	27
Illinois	165	120	38.0%	42	37	123	83	0	0	0	0
Indiana	298	219	36.0%	298	219	0	0	0	0	0	0
Michigan	202	206	-1.6%	191	193	0	0	0	0	11	13
Ohio	572	416	38.0%	282	284	266	119	0	0	24	12
Wisconsin	100	73	37.0%	93	70	4	2	0	0	3	2
West North Central	530	396	34.0%	526	396	3	0	0	0	0	0
Iowa	94	99	-5.5%	94	99	0	0	0	0	0	0
Kansas	75	73	2.9%	75	73	0	0	0	0	0	0
Minnesota	86	38	126.0%	82	38	3	0	0	0	0	0
Missouri	194	88	120.0%	194	88	0	0	0	0	0	0
Nebraska	34	29	16.0%	34	29	0	0	0	0	0	0
North Dakota	42	62	-32.0%	42	62	0	0	0	0	0	0
South Dakota	6	7	-20.0%	6	7	0	0	0	0	0	0
South Atlantic	5,100	2,389	113.0%	3,566	1,792	1,351	360	0	0	184	237
Delaware	23	20	11.0%	0	0	23	20	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	392	769	-49.0%	381	761	11	8	0	0	0	0
Georgia	362	222	63.0%	238	134	51	4	0	0	73	84
Maryland	852	179	375.0%	0	0	852	179	0	0	0	0
North Carolina	698	276	153.0%	687	227	11	49	0	0	0	0
South Carolina	549	236	133.0%	470	114	0	0	0	0	79	123
Virginia	1,973	423	367.0%	1,574	293	367	100	0	0	32	30
West Virginia	250	264	-5.2%	215	264	36	0	0	0	0	0
East South Central	487	563	-14.0%	461	561	23	1	0	0	2	2
Alabama	123	125	-1.9%	100	125	23	1	0	0	0	0
Kentucky	199	171	17.0%	199	171	0	0	0	0	0	0
Mississippi	23	18	31.0%	23	16	0	0	0	0	0	2
Tennessee	141	250	-43.0%	139	250	0	0	0	0	2	0
West South Central	435	262	66.0%	258	95	177	167	0	0	0	0
Arkansas	29	54	-45.0%	12	26	17	28	0	0	0	0
Louisiana	204	57	261.0%	157	11	48	46	0	0	0	0
Oklahoma	27	13	104.0%	27	13	0	0	0	0	0	0
Texas	175	138	26.0%	63	46	112	93	0	0	0	0
Mountain	315	336	-6.3%	289	316	26	20	0	0	0	0
Arizona	83	92	-9.5%	83	92	0	0	0	0	0	0
Colorado	5	4	27.0%	5	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	22	14	60.0%	0	0	22	14	0	0	0	0
Nevada	25	31	-18.0%	21	25	4	6	0	0	0	0
New Mexico	95	88	7.0%	95	88	0	0	0	0	0	0
Utah	23	44	-47.0%	23	44	0	0	0	0	0	0
Wyoming	62	63	-2.3%	62	63	0	0	0	0	0	0
Pacific Contiguous	27	39	-30.0%	15	25	12	13	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	15	6	146.0%	15	6	0	0	0	0	0	0
Washington	12	33	-62.0%	0	19	12	13	0	0	0	0
Pacific Noncontiguous	8,331	8,645	-3.6%	6,535	6,777	1,796	1,868	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	8,331	8,645	-3.6%	6,535	6,777	1,796	1,868	0	0	0	0
U.S. Total	25,372	18,525	37.0%	14,216	11,620	10,870	6,597	0	0	286	309

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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, November 2014 and 2013
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
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	113	96	18.0%	69	32	36	52	0	0	8	11
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	25	0	--	25	0	0	0	0	0	0	0
Michigan	31	32	-3.5%	31	32	0	0	0	0	0	0
Ohio	36	52	-30.0%	0	0	36	52	0	0	0	0
Wisconsin	21	11	86.0%	13	0	0	0	0	0	8	11
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	50	47	6.0%	28	41	0	0	0	0	22	6
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	28	41	-33.0%	28	41	0	0	0	0	0	0
Georgia	22	6	278.0%	0	0	0	0	0	0	22	6
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	68	52	29.0%	68	52	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	68	52	29.0%	68	52	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	190	137	39.0%	190	137	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	190	137	39.0%	190	137	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	0	0	--	0	0	0	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	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	421	332	27.0%	354	262	36	52	0	0	31	17

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Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) November 2014 and 2013 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 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	1,333	750	78.0%	795	100	435	519	0	0	103	130
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	386	0	--	386	0	0	0	0	0	0	0
Michigan	372	103	260.0%	353	80	19	23	0	0	0	0
Ohio	416	496	-16.0%	0	0	416	496	0	0	0	0
Wisconsin	159	150	5.8%	56	20	0	0	0	0	103	130
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	940	1,116	-16.0%	823	1,007	0	0	0	0	117	109
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	823	1,007	-18.0%	823	1,007	0	0	0	0	0	0
Georgia	117	109	7.3%	0	0	0	0	0	0	117	109
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	481	489	-1.7%	481	489	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	481	489	-1.7%	481	489	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	1,750	1,767	-0.9%	1,750	1,524	0	0	0	0	0	243
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,750	1,524	15.0%	1,750	1,524	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	243	-100.0%	0	0	0	0	0	0	0	243
Mountain	0	0	--	0	0	0	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	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	4,504	4,122	9.3%	3,849	3,120	435	519	0	0	220	482

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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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, November 2014 and 2013
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	22,734	25,497	-11.0%	49	99	22,446	24,187	0	0	239	1,211
Connecticut	8,147	8,346	-2.4%	0	0	8,147	8,346	0	0	0	0
Maine	2,399	2,874	-17.0%	0	0	2,161	1,664	0	0	239	1,211
Massachusetts	7,611	9,016	-16.0%	18	91	7,592	8,924	0	0	0	0
New Hampshire	1,985	2,396	-17.0%	31	8	1,954	2,388	0	0	0	0
Rhode Island	2,591	2,864	-9.5%	0	0	2,591	2,864	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	73,802	69,401	6.3%	7,481	8,108	66,138	61,171	0	0	183	123
New Jersey	19,038	14,327	33.0%	0	0	19,038	14,327	0	0	0	0
New York	29,096	28,213	3.1%	7,481	8,108	21,522	20,054	0	0	93	50
Pennsylvania	25,668	26,861	-4.4%	0	0	25,578	26,789	0	0	90	72
East North Central	33,947	31,445	8.0%	13,981	10,468	19,253	20,338	467	487	246	153
Illinois	2,159	1,875	15.0%	307	83	1,847	1,788	0	0	5	4
Indiana	8,151	5,585	46.0%	6,400	4,123	1,752	1,462	0	0	0	0
Michigan	6,427	6,846	-6.1%	1,241	1,526	4,609	4,780	467	487	110	53
Ohio	11,559	13,064	-12.0%	3,399	3,154	8,159	9,908	0	0	2	2
Wisconsin	5,650	4,076	39.0%	2,634	1,581	2,887	2,401	0	0	129	95
West North Central	6,889	7,070	-2.6%	5,826	6,273	1,055	756	4	37	3	3
Iowa	1,180	878	34.0%	1,177	875	0	0	0	0	2	3
Kansas	945	666	42.0%	945	666	0	0	0	0	0	0
Minnesota	1,966	3,371	-42.0%	1,575	2,732	391	639	0	0	0	0
Missouri	2,318	1,488	56.0%	1,649	1,333	664	117	4	37	0	0
Nebraska	184	253	-27.0%	184	253	0	0	0	0	0	0
North Dakota	11	0	--	11	0	0	0	0	0	0	0
South Dakota	285	414	-31.0%	285	414	0	0	0	0	0	0
South Atlantic	130,275	130,304	0.0%	103,759	106,837	24,381	21,425	0	0	2,136	2,042
Delaware	4,879	3,305	48.0%	0	0	4,016	2,361	0	0	863	944
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	65,305	73,950	-12.0%	63,460	70,373	1,845	3,577	0	0	0	0
Georgia	25,597	20,305	26.0%	18,225	16,401	6,560	3,098	0	0	813	805
Maryland	735	459	60.0%	0	0	713	422	0	0	22	37
North Carolina	16,893	15,612	8.2%	10,352	11,312	6,541	4,300	0	0	0	0
South Carolina	5,709	2,403	138.0%	4,851	1,535	798	844	0	0	60	24
Virginia	10,840	14,215	-24.0%	6,872	7,192	3,590	6,792	0	0	379	231
West Virginia	317	54	485.0%	0	24	317	30	0	0	0	0
East South Central	54,683	44,883	22.0%	27,037	26,596	27,078	18,272	0	0	568	15
Alabama	31,545	25,674	23.0%	8,600	8,864	22,946	16,810	0	0	0	0
Kentucky	2,251	598	277.0%	2,250	598	1	0	0	0	0	0
Mississippi	16,196	18,013	-10.0%	12,065	16,552	4,131	1,461	0	0	0	0
Tennessee	4,690	598	684.0%	4,122	583	0	0	0	0	568	15
West South Central	187,241	195,573	-4.3%	46,412	43,650	89,834	97,745	0	0	50,996	54,178
Arkansas	3,986	4,601	-13.0%	2,035	1,233	1,594	3,368	0	0	357	0
Louisiana	37,338	37,824	-1.3%	15,918	10,479	5,182	8,137	0	0	16,238	19,208
Oklahoma	12,540	14,283	-12.0%	10,031	11,492	2,508	2,791	0	0	0	0
Texas	133,377	138,865	-4.0%	18,427	20,446	80,549	83,449	0	0	34,401	34,970
Mountain	45,723	39,271	16.0%	33,449	26,185	12,258	13,057	0	0	16	29
Arizona	14,117	11,442	23.0%	6,271	5,173	7,846	6,269	0	0	0	0
Colorado	8,701	5,223	67.0%	5,770	3,445	2,931	1,778	0	0	0	0
Idaho	1,296	2,037	-36.0%	700	954	596	1,083	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	11,631	11,445	1.6%	10,852	10,057	780	1,387	0	0	0	0
New Mexico	5,288	4,891	8.1%	5,286	2,825	2	2,066	0	0	0	0
Utah	4,687	4,226	11.0%	4,566	3,723	104	474	0	0	16	29
Wyoming	3	7	-55.0%	3	7	0	0	0	0	0	0
Pacific Contiguous	68,420	78,504	-13.0%	25,588	26,005	39,804	48,674	0	0	3,027	3,824
California	53,946	61,957	-13.0%	16,770	16,454	34,148	41,678	0	0	3,027	3,824
Oregon	9,395	10,089	-6.9%	3,979	3,411	5,416	6,678	0	0	0	0
Washington	5,079	6,459	-21.0%	4,839	6,140	240	318	0	0	0	0
Pacific Noncontiguous	1,909	2,040	-6.4%	1,909	2,040	0	0	0	0	0	0
Alaska	1,909	2,040	-6.4%	1,909	2,040	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	625,622	623,987	0.3%	265,491	256,260	302,247	305,625	471	524	57,413	61,578

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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) November 2014 and 2013 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	304,240	341,965	-11.0%	1,877	1,526	297,014	327,497	0	0	5,349	12,941
Connecticut	87,273	96,915	-9.9%	0	0	87,273	96,915	0	0	0	0
Maine	27,505	31,421	-12.0%	0	0	22,155	18,480	0	0	5,349	12,941
Massachusetts	119,332	142,427	-16.0%	1,486	1,172	117,847	141,256	0	0	0	0
New Hampshire	28,264	27,232	3.8%	391	355	27,873	26,877	0	0	0	0
Rhode Island	41,865	43,970	-4.8%	0	0	41,865	43,970	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	910,676	865,772	5.2%	87,519	98,825	821,339	765,339	0	0	1,818	1,608
New Jersey	205,369	181,240	13.0%	0	0	205,369	181,240	0	0	0	0
New York	370,891	370,936	0.0%	87,519	98,825	282,503	271,474	0	0	868	637
Pennsylvania	334,416	313,596	6.6%	0	0	333,467	312,625	0	0	949	971
East North Central	397,851	397,775	0.0%	148,715	146,301	242,182	245,259	4,366	4,012	2,587	2,203
Illinois	30,828	38,756	-20.0%	3,128	4,792	27,656	33,911	0	0	44	54
Indiana	68,232	67,974	0.4%	47,967	46,033	20,266	21,941	0	0	0	0
Michigan	91,015	93,195	-2.3%	23,370	22,195	62,071	66,105	4,366	4,012	1,207	883
Ohio	154,849	143,090	8.2%	50,284	47,433	104,385	95,580	0	0	180	77
Wisconsin	52,926	54,759	-3.3%	23,967	25,848	27,805	27,721	0	0	1,155	1,189
West North Central	86,960	109,679	-21.0%	72,904	93,398	13,316	15,420	714	846	26	15
Iowa	14,427	15,033	-4.0%	14,407	15,018	0	0	0	0	20	15
Kansas	12,262	14,809	-17.0%	12,262	14,809	0	0	0	0	0	0
Minnesota	25,180	42,409	-41.0%	19,561	33,764	5,613	8,646	0	0	6	0
Missouri	29,418	31,000	-5.1%	21,001	23,379	7,703	6,775	714	846	0	0
Nebraska	3,156	3,567	-12.0%	3,156	3,567	0	0	0	0	0	0
North Dakota	42	0	--	42	0	0	0	0	0	0	0
South Dakota	2,475	2,861	-13.0%	2,475	2,861	0	0	0	0	0	0
South Atlantic	1,709,674	1,709,813	0.0%	1,380,168	1,381,895	308,132	300,001	0	0	21,374	27,917
Delaware	48,771	52,161	-6.5%	0	0	39,428	37,000	0	0	9,343	15,161
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	948,892	937,339	1.2%	907,578	889,882	41,313	47,457	0	0	0	0
Georgia	272,639	270,542	0.8%	189,259	200,339	76,190	61,526	0	0	7,190	8,678
Maryland	16,766	20,157	-17.0%	0	0	16,538	19,612	0	0	228	546
North Carolina	184,254	181,573	1.5%	125,174	119,993	59,080	61,409	0	0	0	171
South Carolina	79,098	81,767	-3.3%	70,184	71,580	8,591	9,858	0	0	324	329
Virginia	152,661	163,576	-6.7%	86,116	99,687	62,255	60,856	0	0	4,290	3,032
West Virginia	6,593	2,698	144.0%	1,857	415	4,736	2,283	0	0	0	0
East South Central	584,529	568,783	2.8%	332,860	335,736	248,443	232,916	0	0	3,226	131
Alabama	294,037	291,401	0.9%	86,074	85,488	207,963	205,913	0	0	0	0
Kentucky	26,040	14,028	86.0%	24,514	11,891	1,526	2,137	0	0	0	0
Mississippi	218,646	230,934	-5.3%	179,693	206,069	38,953	24,865	0	0	0	0
Tennessee	45,806	32,420	41.0%	42,579	32,289	0	0	0	0	3,226	131
West South Central	2,372,204	2,417,105	-1.9%	622,946	654,531	1,195,230	1,189,907	0	0	554,028	572,668
Arkansas	67,029	84,111	-20.0%	11,847	21,870	53,089	62,241	0	0	2,093	0
Louisiana	445,854	429,167	3.9%	193,412	170,257	75,768	72,018	0	0	176,674	186,891
Oklahoma	191,388	224,766	-15.0%	130,985	172,104	60,403	52,662	0	0	0	0
Texas	1,667,933	1,679,062	-0.7%	286,702	290,299	1,005,970	1,002,986	0	0	375,261	385,777
Mountain	528,905	529,261	-0.1%	353,340	330,711	175,070	198,037	0	0	495	513
Arizona	183,130	186,658	-1.9%	86,283	79,852	96,847	106,806	0	0	0	0
Colorado	82,880	73,144	13.0%	48,636	41,022	34,244	32,122	0	0	0	0
Idaho	15,053	19,765	-24.0%	7,556	9,574	7,497	10,191	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	137,511	150,057	-8.4%	120,901	125,543	16,610	24,514	0	0	0	0
New Mexico	60,091	59,335	1.3%	41,360	39,406	18,731	19,928	0	0	0	0
Utah	50,147	40,229	25.0%	48,512	35,240	1,141	4,475	0	0	495	513
Wyoming	93	73	27.0%	93	73	0	0	0	0	0	0
Pacific Contiguous	822,760	808,068	1.8%	302,932	295,058	479,101	472,618	0	0	40,727	40,392
California	678,402	660,414	2.7%	212,196	208,814	425,479	411,209	0	0	40,727	40,392
Oregon	80,449	88,393	-9.0%	31,407	31,514	49,041	56,879	0	0	0	0
Washington	63,909	59,261	7.8%	59,328	54,731	4,581	4,530	0	0	0	0
Pacific Noncontiguous	18,398	22,458	-18.0%	18,398	22,458	0	0	0	0	0	0
Alaska	18,398	22,458	-18.0%	18,398	22,458	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,736,197	7,770,679	-0.4%	3,321,659	3,360,438	3,779,827	3,746,994	5,080	4,859	629,631	658,388

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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, November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013
New England	W	W	W	4.04	3.77	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.04	3.77	7.2%	4.04	3.77	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.56	1.2%	--	--	2.59	2.56
New Jersey	4.24	4.05	4.7%	--	--	4.24	4.05
New York	3.01	3.23	-6.8%	--	--	3.01	3.23
Pennsylvania	2.50	2.49	0.4%	--	--	2.50	2.49
East North Central	2.29	2.26	1.3%	2.40	2.40	2.04	1.97
Illinois	1.97	1.91	3.1%	2.01	2.02	1.96	1.89
Indiana	W	W	W	2.51	2.53	W	W
Michigan	2.57	2.56	0.4%	2.57	2.56	--	--
Ohio	W	W	W	2.26	2.23	W	W
Wisconsin	2.24	2.33	-3.9%	2.24	2.33	--	--
West North Central	1.74	1.76	-1.1%	1.74	1.76	--	--
Iowa	1.67	1.63	2.5%	1.67	1.63	--	--
Kansas	1.76	1.74	1.1%	1.76	1.74	--	--
Minnesota	1.89	1.94	-2.6%	1.89	1.94	--	--
Missouri	1.97	1.84	7.1%	1.97	1.84	--	--
Nebraska	1.38	1.38	0.0%	1.38	1.38	--	--
North Dakota	1.38	1.84	-25.0%	1.38	1.84	--	--
South Dakota	2.09	1.97	6.1%	2.09	1.97	--	--
South Atlantic	3.03	3.13	-3.2%	3.12	3.27	2.54	2.58
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.22	3.26	W	W
Georgia	3.02	3.23	-6.5%	3.02	3.23	--	--
Maryland	2.84	3.23	-12.0%	--	--	2.84	3.23
North Carolina	3.58	3.84	-6.8%	3.58	3.84	--	--
South Carolina	3.63	3.69	-1.6%	3.63	3.69	--	--
Virginia	W	W	W	3.15	3.23	W	W
West Virginia	2.35	2.40	-2.1%	2.42	2.62	2.23	2.11
East South Central	W	W	W	2.39	2.49	W	W
Alabama	2.46	2.74	-10.0%	2.46	2.74	--	--
Kentucky	2.30	2.36	-2.5%	2.30	2.36	--	--
Mississippi	W	W	W	3.39	4.02	W	W
Tennessee	2.39	2.31	3.5%	2.39	2.31	--	--
West South Central	2.04	2.08	-1.9%	2.10	2.22	1.97	1.92
Arkansas	W	W	W	2.45	2.48	W	W
Louisiana	W	W	W	2.16	2.89	W	W
Oklahoma	W	W	W	1.94	1.93	W	W
Texas	1.98	1.96	1.0%	2.01	2.12	1.96	1.87
Mountain	W	W	W	2.01	1.98	W	W
Arizona	2.06	2.06	0.0%	2.06	2.06	--	--
Colorado	1.86	1.90	-2.1%	1.86	1.90	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.58	2.77	W	W
New Mexico	2.56	2.23	15.0%	2.56	2.23	--	--
Utah	2.08	2.16	-3.7%	2.08	2.16	--	--
Wyoming	1.66	1.63	1.8%	1.66	1.63	--	--
Pacific Contiguous	W	W	W	2.42	2.01	W	W
California	--	--	--	--	--	--	--
Oregon	2.42	2.01	20.0%	2.42	2.01	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.29	2.32	-1.3%	2.33	2.37	2.18	2.19

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	3.60	3.75	-4.0%	4.28	4.22	3.39	3.54
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.28	4.22	1.4%	4.28	4.22	--	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.65	2.59	2.3%	--	--	2.65	2.59
New Jersey	3.93	3.86	1.8%	--	--	3.93	3.86
New York	3.02	3.00	0.7%	--	--	3.02	3.00
Pennsylvania	2.57	2.52	2.0%	--	--	2.57	2.52
East North Central	2.32	2.28	1.8%	2.43	2.42	2.06	1.95
Illinois	1.99	1.88	5.9%	2.07	2.07	1.98	1.85
Indiana	W	W	W	2.57	2.53	W	W
Michigan	W	W	W	2.59	2.66	W	W
Ohio	W	W	W	2.28	2.24	W	W
Wisconsin	2.31	2.33	-0.9%	2.31	2.33	--	--
West North Central	1.78	1.75	1.7%	1.78	1.75	--	--
Iowa	1.64	1.62	1.2%	1.64	1.62	--	--
Kansas	1.79	1.78	0.6%	1.79	1.78	--	--
Minnesota	1.95	2.00	-2.5%	1.95	2.00	--	--
Missouri	2.00	1.90	5.3%	2.00	1.90	--	--
Nebraska	1.40	1.42	-1.4%	1.40	1.42	--	--
North Dakota	1.52	1.57	-3.2%	1.52	1.57	--	--
South Dakota	2.09	2.00	4.5%	2.09	2.00	--	--
South Atlantic	3.08	3.21	-4.0%	3.20	3.32	2.62	2.77
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.31	3.41	W	W
Georgia	3.11	3.17	-1.9%	3.11	3.17	--	--
Maryland	2.98	3.44	-13.0%	--	--	2.98	3.44
North Carolina	3.60	3.88	-7.2%	3.60	3.88	--	--
South Carolina	3.63	3.76	-3.5%	3.63	3.76	--	--
Virginia	W	W	W	3.21	3.27	W	W
West Virginia	2.40	2.49	-3.6%	2.55	2.68	2.18	2.19
East South Central	W	W	W	2.50	2.52	W	W
Alabama	2.71	2.79	-2.9%	2.71	2.79	--	--
Kentucky	2.35	2.35	0.0%	2.35	2.35	--	--
Mississippi	W	W	W	3.31	3.95	W	W
Tennessee	2.46	2.39	2.9%	2.46	2.39	--	--
West South Central	2.07	2.09	-1.0%	2.15	2.25	1.97	1.91
Arkansas	W	W	W	2.40	2.40	W	W
Louisiana	W	W	W	2.38	2.91	W	W
Oklahoma	W	W	W	1.97	2.02	W	W
Texas	2.00	1.98	1.0%	2.09	2.16	1.95	1.86
Mountain	W	W	W	1.99	1.95	W	W
Arizona	2.10	2.06	1.9%	2.10	2.06	--	--
Colorado	1.93	1.91	1.0%	1.93	1.91	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.47	2.74	W	W
New Mexico	2.41	2.30	4.8%	2.41	2.30	--	--
Utah	2.05	2.04	0.5%	2.05	2.04	--	--
Wyoming	1.59	1.53	3.9%	1.59	1.53	--	--
Pacific Contiguous	W	W	W	2.49	1.96	W	W
California	W	W	W	--	--	W	W
Oregon	2.49	1.96	27.0%	2.49	1.96	--	--
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	2.34	0.0%	2.38	2.38	2.25	2.21

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013
New England	W	W	W	18.19	18.49	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	16.95	W	18.19	22.15	W	16.53
New Hampshire	W	W	W	17.90	16.99	W	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	16.04	19.42	-17.0%	11.48	--	17.85	19.42
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	11.48	--	W	W
Pennsylvania	19.16	W	W	--	--	19.16	W
East North Central	22.15	22.62	-2.1%	22.11	22.59	22.35	22.78
Illinois	W	22.76	W	22.21	23.07	W	22.68
Indiana	22.27	22.66	-1.7%	22.27	22.66	--	--
Michigan	20.54	22.30	-7.9%	20.54	22.30	--	--
Ohio	22.47	22.69	-1.0%	22.77	22.66	21.61	22.87
Wisconsin	W	22.39	W	21.86	22.39	W	--
West North Central	20.61	22.61	-8.8%	20.61	22.61	--	--
Iowa	20.85	22.25	-6.3%	20.85	22.25	--	--
Kansas	19.60	22.97	-15.0%	19.60	22.97	--	--
Minnesota	21.65	23.41	-7.5%	21.65	23.41	--	--
Missouri	20.20	22.18	-8.9%	20.20	22.18	--	--
Nebraska	20.49	22.15	-7.5%	20.49	22.15	--	--
North Dakota	21.80	23.50	-7.2%	21.80	23.50	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	19.41	22.18	-12.0%	19.71	22.38	18.99	21.65
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	20.15	23.43	W	W
Georgia	W	22.89	W	19.46	22.89	W	--
Maryland	18.20	W	W	--	--	18.20	W
North Carolina	18.32	21.67	-15.0%	18.32	21.67	--	--
South Carolina	18.91	22.50	-16.0%	18.91	22.50	--	--
Virginia	W	W	W	19.99	21.28	W	W
West Virginia	W	22.95	W	19.63	22.95	W	--
East South Central	W	22.20	W	19.53	22.20	W	--
Alabama	W	21.67	W	18.37	21.67	W	--
Kentucky	21.30	22.50	-5.3%	21.30	22.50	--	--
Mississippi	17.19	20.72	-17.0%	17.19	20.72	--	--
Tennessee	18.91	21.65	-13.0%	18.91	21.65	--	--
West South Central	18.74	21.98	-15.0%	18.71	21.63	18.86	22.24
Arkansas	W	W	W	--	21.83	W	W
Louisiana	W	W	W	18.49	--	W	W
Oklahoma	20.06	--	--	20.06	--	--	--
Texas	W	W	W	17.94	21.19	W	W
Mountain	W	W	W	21.30	23.68	W	W
Arizona	18.95	23.24	-18.0%	18.95	23.24	--	--
Colorado	21.75	22.68	-4.1%	21.75	22.68	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	23.25	24.84	W	W
New Mexico	24.01	23.97	0.2%	24.01	23.97	--	--
Utah	22.50	24.49	-8.1%	22.50	24.49	--	--
Wyoming	22.14	22.92	-3.4%	22.14	22.92	--	--
Pacific Contiguous	W	W	W	--	23.48	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	23.48	W	W
Pacific Noncontiguous	W	W	W	16.82	21.47	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	16.82	21.47	W	W
U.S. Total	16.52	20.10	-18.0%	17.71	21.60	15.61	18.51

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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) November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	W	17.84	W	18.26	18.55	W	17.71
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	18.08	18.12	-0.2%	19.94	21.91	17.74	17.63
New Hampshire	W	W	W	16.92	16.80	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	20.51	20.35	0.8%	18.87	21.95	21.03	19.88
New Jersey	22.99	21.31	7.9%	--	--	22.99	21.31
New York	19.66	19.89	-1.2%	18.87	21.95	20.08	19.03
Pennsylvania	22.30	22.07	1.0%	--	--	22.30	22.07
East North Central	23.22	22.95	1.2%	22.64	22.90	24.64	23.15
Illinois	W	W	W	22.95	23.57	W	W
Indiana	22.69	22.98	-1.3%	22.69	22.98	--	--
Michigan	21.96	W	W	21.96	22.77	--	W
Ohio	24.22	22.99	5.4%	23.23	22.94	25.27	23.11
Wisconsin	W	W	W	21.97	22.50	W	W
West North Central	W	22.69	W	21.86	22.69	W	--
Iowa	21.82	22.63	-3.6%	21.82	22.63	--	--
Kansas	21.69	22.57	-3.9%	21.69	22.57	--	--
Minnesota	W	23.20	W	22.34	23.20	W	--
Missouri	21.47	22.29	-3.7%	21.47	22.29	--	--
Nebraska	22.01	22.43	-1.9%	22.01	22.43	--	--
North Dakota	22.86	23.25	-1.7%	22.86	23.25	--	--
South Dakota	22.70	23.31	-2.6%	22.70	23.31	--	--
South Atlantic	22.02	W	W	22.04	20.45	21.96	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	22.23	19.00	W	W
Georgia	W	W	W	22.50	23.39	W	W
Maryland	21.55	21.75	-0.9%	--	--	21.55	21.75
North Carolina	W	W	W	22.50	22.61	W	W
South Carolina	22.75	23.14	-1.7%	22.75	23.14	--	--
Virginia	21.62	W	W	21.43	17.85	22.45	W
West Virginia	W	23.46	W	22.86	23.46	W	--
East South Central	W	W	W	21.80	22.59	W	W
Alabama	W	W	W	21.64	22.32	W	W
Kentucky	21.99	22.70	-3.1%	21.99	22.70	--	--
Mississippi	20.62	21.53	-4.2%	20.62	21.53	--	--
Tennessee	21.83	22.71	-3.9%	21.83	22.71	--	--
West South Central	20.62	22.25	-7.3%	20.36	22.29	21.00	22.23
Arkansas	W	W	W	22.91	22.12	W	W
Louisiana	W	W	W	19.94	22.03	W	W
Oklahoma	21.39	22.33	-4.2%	21.39	22.33	--	--
Texas	W	W	W	20.49	22.44	W	W
Mountain	W	W	W	23.40	23.83	W	W
Arizona	22.71	24.27	-6.4%	22.71	24.27	--	--
Colorado	23.07	23.50	-1.8%	23.07	23.50	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	23.88	24.31	W	W
New Mexico	24.31	24.48	-0.7%	24.31	24.48	--	--
Utah	22.44	22.27	0.8%	22.44	22.27	--	--
Wyoming	23.20	23.26	-0.3%	23.20	23.26	--	--
Pacific Contiguous	W	W	W	20.84	23.23	W	W
California	--	--	--	--	--	--	--
Oregon	20.84	22.05	-5.5%	20.84	22.05	--	--
Washington	W	W	W	--	23.60	W	W
Pacific Noncontiguous	W	W	W	20.75	20.73	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	20.75	20.73	W	W
U.S. Total	20.69	20.56	0.6%	21.03	21.04	20.23	19.69

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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, November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.27	1.44	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.85	--	--	0.85	--	--	--
Michigan	1.41	1.44	-2.1%	1.41	1.44	--	--
Ohio	W	W	W	--	--	W	W
Wisconsin	1.77	--	--	1.77	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.98	2.08	-4.8%	1.98	2.08	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.98	2.08	-4.8%	1.98	2.08	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.80	1.78	1.1%	1.80	1.78	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.80	1.78	1.1%	1.80	1.78	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.79	1.93	-7.3%	1.79	1.93	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.79	1.93	-7.3%	1.79	1.93	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.70	1.87	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) November 2014 and 2013 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.22	1.49	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.93	--	--	0.93	--	--	--
Michigan	W	W	W	1.44	1.43	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.84	1.75	5.1%	1.84	1.75	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.39	2.61	-8.4%	2.39	2.61	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.39	2.61	-8.4%	2.39	2.61	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.77	1.81	-2.2%	1.77	1.81	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.77	1.81	-2.2%	1.77	1.81	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.97	1.95	1.0%	1.97	1.95	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.97	1.95	1.0%	1.97	1.95	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.88	2.13	W	W

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014	November 2013	Percentage Change	November 2014	November 2013	November 2014	November 2013
New England	W	5.28	W	7.03	7.04	W	5.27
Connecticut	5.05	5.04	0.2%	--	--	5.05	5.04
Maine	W	W	W	--	--	W	W
Massachusetts	5.51	5.41	1.8%	5.99	6.31	5.51	5.40
New Hampshire	W	W	W	7.65	15.52	W	W
Rhode Island	5.48	W	W	--	--	5.48	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	4.08	4.16	-1.9%	4.65	4.46	4.01	4.12
New Jersey	3.98	4.04	-1.5%	--	--	3.98	4.04
New York	4.50	4.60	-2.2%	4.65	4.46	4.44	4.66
Pennsylvania	3.67	3.77	-2.7%	--	--	3.67	3.77
East North Central	4.31	3.91	10.0%	4.38	3.96	4.26	3.89
Illinois	W	W	W	5.52	5.63	W	W
Indiana	W	W	W	4.36	3.93	W	W
Michigan	4.84	4.33	12.0%	4.88	4.06	4.82	4.43
Ohio	3.66	3.60	1.7%	3.60	3.55	3.68	3.62
Wisconsin	4.78	4.31	11.0%	5.08	4.72	4.50	4.03
West North Central	W	4.87	W	5.08	4.88	W	4.85
Iowa	5.16	5.52	-6.5%	5.16	5.52	--	--
Kansas	5.32	4.77	12.0%	5.32	4.77	--	--
Minnesota	W	W	W	5.76	5.01	W	W
Missouri	W	W	W	4.56	4.44	W	W
Nebraska	5.02	5.17	-2.9%	5.02	5.17	--	--
North Dakota	4.99	--	--	4.99	--	--	--
South Dakota	3.23	4.02	-20.0%	3.23	4.02	--	--
South Atlantic	5.06	4.66	8.6%	5.12	4.75	4.71	4.11
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	5.34	4.93	W	W
Georgia	4.58	W	W	4.58	4.25	4.59	W
Maryland	W	5.99	W	--	--	W	5.99
North Carolina	5.34	W	W	5.36	4.65	5.33	W
South Carolina	W	W	W	4.83	5.43	W	W
Virginia	W	3.94	W	4.45	4.19	W	3.67
West Virginia	3.33	3.68	-9.5%	3.88	3.07	3.33	4.17
East South Central	4.40	3.92	12.0%	4.37	3.90	4.43	3.97
Alabama	W	W	W	4.24	3.87	W	W
Kentucky	W	5.15	W	5.19	5.15	W	--
Mississippi	W	W	W	4.36	3.86	W	W
Tennessee	4.26	4.09	4.2%	4.26	4.09	--	--
West South Central	4.18	3.81	9.7%	4.37	3.95	4.06	3.74
Arkansas	W	W	W	5.04	4.97	W	W
Louisiana	W	3.69	W	4.27	3.80	W	3.54
Oklahoma	W	W	W	4.57	4.06	W	W
Texas	4.10	3.79	8.2%	4.26	3.90	4.05	3.75
Mountain	4.59	4.43	3.6%	4.60	4.54	4.53	4.04
Arizona	4.73	4.55	4.0%	4.99	5.04	4.33	3.81
Colorado	W	W	W	5.01	5.01	W	W
Idaho	4.95	W	W	4.95	4.38	--	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	4.54	4.44	W	W
New Mexico	4.31	4.25	1.4%	4.31	4.25	--	--
Utah	W	3.94	W	3.95	3.94	W	--
Wyoming	12.16	6.66	83.0%	12.16	6.66	--	--
Pacific Contiguous	4.57	4.30	6.3%	4.70	4.70	4.44	4.00
California	4.70	4.33	8.5%	4.97	4.82	4.51	4.07
Oregon	W	W	W	3.85	4.06	W	W
Washington	W	W	W	4.65	4.79	W	W
Pacific Noncontiguous	4.96	4.76	4.2%	4.96	4.76	--	--
Alaska	4.96	4.76	4.2%	4.96	4.76	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.54	4.25	6.8%	4.75	4.46	4.30	4.04

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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) November 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2014 YTD	November 2013 YTD	Percentage Change	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	6.45	5.57	16.0%	5.55	6.87	6.46	5.56
Connecticut	6.75	5.73	18.0%	--	--	6.75	5.73
Maine	W	W	W	--	--	W	W
Massachusetts	6.32	5.46	16.0%	5.48	6.25	6.33	5.46
New Hampshire	W	W	W	5.83	8.85	W	W
Rhode Island	W	5.37	W	--	--	W	5.37
Vermont	--	--	--	--	--	--	--
Middle Atlantic	5.10	4.48	14.0%	5.42	4.95	5.06	4.41
New Jersey	4.75	4.14	15.0%	--	--	4.75	4.14
New York	5.37	5.05	6.3%	5.42	4.95	5.35	5.09
Pennsylvania	4.98	3.97	25.0%	--	--	4.98	3.97
East North Central	5.26	4.09	29.0%	5.20	4.09	5.29	4.09
Illinois	W	W	W	6.01	4.77	W	W
Indiana	W	W	W	5.25	3.98	W	W
Michigan	6.78	4.44	53.0%	6.94	4.37	6.72	4.46
Ohio	4.21	3.80	11.0%	4.11	3.80	4.26	3.80
Wisconsin	5.33	4.33	23.0%	5.65	4.48	5.04	4.18
West North Central	5.63	4.47	26.0%	5.70	4.48	5.26	4.40
Iowa	6.08	4.47	36.0%	6.08	4.47	--	--
Kansas	5.58	4.36	28.0%	5.58	4.36	--	--
Minnesota	W	W	W	5.93	4.60	W	W
Missouri	W	W	W	5.36	4.40	W	W
Nebraska	5.67	4.77	19.0%	5.67	4.77	--	--
North Dakota	4.11	--	--	4.11	--	--	--
South Dakota	5.14	4.02	28.0%	5.14	4.02	--	--
South Atlantic	5.46	4.75	15.0%	5.51	4.82	5.18	4.29
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	5.47	W	W	5.49	5.03	4.27	W
Georgia	4.94	4.33	14.0%	4.97	4.30	4.85	4.49
Maryland	5.21	W	W	--	--	5.21	W
North Carolina	6.02	W	W	6.09	4.77	5.87	W
South Carolina	W	W	W	4.97	4.56	W	W
Virginia	5.95	4.09	45.0%	6.43	4.25	5.22	3.83
West Virginia	W	4.14	W	6.19	3.78	W	4.21
East South Central	4.73	3.97	19.0%	4.75	3.93	4.71	4.03
Alabama	4.68	4.03	16.0%	4.64	3.97	4.71	4.06
Kentucky	W	W	W	5.95	5.60	W	W
Mississippi	W	W	W	4.66	3.85	W	W
Tennessee	4.64	3.75	24.0%	4.64	3.75	--	--
West South Central	4.62	3.85	20.0%	4.80	3.97	4.52	3.78
Arkansas	W	4.17	W	6.96	5.15	W	3.84
Louisiana	4.64	3.83	21.0%	4.68	3.89	4.52	3.68
Oklahoma	W	3.94	W	5.06	3.97	W	3.82
Texas	4.54	3.82	19.0%	4.66	3.91	4.50	3.78
Mountain	5.08	4.32	18.0%	5.16	4.43	4.81	4.06
Arizona	5.15	4.46	15.0%	5.53	4.90	4.52	3.97
Colorado	5.25	4.66	13.0%	5.30	4.73	5.17	4.57
Idaho	W	W	W	5.29	4.23	W	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	5.14	4.27	W	W
New Mexico	4.85	4.18	16.0%	4.85	4.18	--	--
Utah	W	3.91	W	4.64	3.91	W	--
Wyoming	7.12	7.18	-0.8%	7.12	7.18	--	--
Pacific Contiguous	4.99	4.23	18.0%	5.14	4.51	4.85	4.00
California	5.10	4.33	18.0%	5.38	4.71	4.89	4.07
Oregon	W	W	W	4.26	3.72	W	W
Washington	W	W	W	4.93	4.34	W	W
Pacific Noncontiguous	5.06	4.70	7.7%	5.06	4.70	--	--
Alaska	5.06	4.70	7.7%	5.06	4.70	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	5.09	4.33	18.0%	5.21	4.46	4.96	4.18

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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, November 2014

	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	136	1.30	10.1	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.82	8.8	0	--	--	0	--	--
Massachusetts	95	0.75	11.2	0	--	--	0	--	--
New Hampshire	35	2.66	7.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,315	2.94	11.2	61	0.24	5.2	0	--	--
New Jersey	93	1.13	8.1	0	--	--	0	--	--
New York	62	1.96	9.9	61	0.24	5.2	0	--	--
Pennsylvania	2,159	3.05	11.4	0	--	--	0	--	--
East North Central	7,492	2.94	10.1	9,256	0.25	4.9	0	--	--
Illinois	858	3.58	19.7	4,623	0.22	4.8	0	--	--
Indiana	3,188	2.77	9.0	295	0.26	4.9	0	--	--
Michigan	386	1.50	9.0	2,466	0.30	5.0	0	--	--
Ohio	2,977	3.18	9.2	84	0.27	5.4	0	--	--
Wisconsin	84	2.06	7.9	1,788	0.27	5.2	0	--	--
West North Central	104	3.48	9.4	9,151	0.28	5.2	1,971	0.77	9.9
Iowa	41	3.50	8.0	1,492	0.28	5.1	0	--	--
Kansas	27	3.70	14.0	1,301	0.32	5.2	0	--	--
Minnesota	0	--	--	1,544	0.36	6.2	0	--	--
Missouri	36	3.30	7.7	3,507	0.23	4.9	0	--	--
Nebraska	0	--	--	1,224	0.29	5.2	0	--	--
North Dakota	0	--	--	0	--	--	1,971	0.77	9.9
South Dakota	0	--	--	83	0.43	7.3	0	--	--
South Atlantic	8,734	2.23	9.8	1,050	0.31	4.8	0	--	--
Delaware	12	2.28	7.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	2,034	2.28	8.6	0	--	--	0	--	--
Georgia	557	1.67	9.9	1,035	0.31	4.8	0	--	--
Maryland	530	2.37	9.8	16	0.21	4.2	0	--	--
North Carolina	1,339	1.85	9.4	0	--	--	0	--	--
South Carolina	1,053	1.57	9.1	0	--	--	0	--	--
Virginia	497	1.11	10.4	0	--	--	0	--	--
West Virginia	2,712	2.92	11.1	0	--	--	0	--	--
East South Central	4,313	2.56	9.3	2,129	0.29	5.4	115	0.33	13.1
Alabama	702	1.53	8.9	1,072	0.26	5.3	0	--	--
Kentucky	2,882	2.97	9.6	398	0.33	5.6	0	--	--
Mississippi	149	1.46	8.2	54	0.36	6.0	115	0.33	13.1
Tennessee	580	2.07	9.1	603	0.31	5.3	0	--	--
West South Central	58	1.85	19.4	9,005	0.28	5.2	3,789	0.92	15.9
Arkansas	5	0.65	9.0	1,621	0.26	5.4	0	--	--
Louisiana	15	3.00	8.2	624	0.32	5.2	353	0.65	14.4
Oklahoma	38	1.56	25.8	1,722	0.25	5.0	0	--	--
Texas	0	--	--	5,039	0.28	5.2	3,436	0.94	16.1
Mountain	2,650	0.61	12.5	6,002	0.51	9.0	0	--	--
Arizona	662	0.62	10.5	1,193	0.68	10.4	0	--	--
Colorado	295	0.49	9.9	1,323	0.32	6.0	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	792	0.72	10.0	0	--	--
Nevada	165	0.52	7.3	235	0.36	8.4	0	--	--
New Mexico	440	0.74	25.2	441	0.72	21.3	0	--	--
Utah	1,089	0.61	11.1	55	1.07	8.4	0	--	--
Wyoming	0	--	--	1,964	0.43	7.3	0	--	--
Pacific Contiguous	54	0.48	11.4	475	0.30	8.1	0	--	--
California	54	0.48	11.4	0	--	--	0	--	--
Oregon	0	--	--	124	0.22	4.5	0	--	--
Washington	0	--	--	351	0.33	9.4	0	--	--
Pacific Noncontiguous	117	1.24	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	117	1.24	4.5	0	--	--	0	--	--
U.S. Total	25,974	2.39	10.2	37,128	0.31	5.8	5,875	0.86	13.9

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, November 2014

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	35	2.66	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	35	2.66	7.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	5,909	2.89	9.0	4,826	0.28	5.1	0	--	--
Illinois	149	3.61	10.0	296	0.21	5.0	0	--	--
Indiana	2,937	2.73	8.8	295	0.26	4.9	0	--	--
Michigan	376	1.52	9.1	2,466	0.30	5.0	0	--	--
Ohio	2,387	3.27	9.2	0	--	--	0	--	--
Wisconsin	60	2.29	7.7	1,770	0.27	5.2	0	--	--
West North Central	53	3.56	10.7	9,086	0.28	5.3	1,971	0.77	9.9
Iowa	0	--	--	1,428	0.28	5.1	0	--	--
Kansas	27	3.70	14.0	1,301	0.32	5.2	0	--	--
Minnesota	0	--	--	1,544	0.36	6.2	0	--	--
Missouri	26	3.41	7.3	3,507	0.23	4.9	0	--	--
Nebraska	0	--	--	1,224	0.29	5.2	0	--	--
North Dakota	0	--	--	0	--	--	1,971	0.77	9.9
South Dakota	0	--	--	83	0.43	7.3	0	--	--
South Atlantic	7,024	2.05	9.7	1,035	0.31	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,983	2.31	8.5	0	--	--	0	--	--
Georgia	521	1.69	9.8	1,035	0.31	4.8	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,339	1.85	9.4	0	--	--	0	--	--
South Carolina	1,034	1.59	9.2	0	--	--	0	--	--
Virginia	438	1.08	10.5	0	--	--	0	--	--
West Virginia	1,708	2.57	11.2	0	--	--	0	--	--
East South Central	4,195	2.61	9.4	2,129	0.29	5.4	0	--	--
Alabama	702	1.53	8.9	1,072	0.26	5.3	0	--	--
Kentucky	2,882	2.97	9.6	398	0.33	5.6	0	--	--
Mississippi	149	1.46	8.2	54	0.36	6.0	0	--	--
Tennessee	462	2.40	9.4	603	0.31	5.3	0	--	--
West South Central	15	3.00	8.2	5,659	0.26	5.2	865	0.94	17.1
Arkansas	0	--	--	1,440	0.26	5.4	0	--	--
Louisiana	15	3.00	8.2	161	0.31	5.6	353	0.65	14.4
Oklahoma	0	--	--	1,637	0.25	5.0	0	--	--
Texas	0	--	--	2,420	0.27	5.1	513	1.18	19.1
Mountain	2,650	0.61	12.5	5,151	0.49	8.9	0	--	--
Arizona	662	0.62	10.5	1,193	0.68	10.4	0	--	--
Colorado	295	0.49	9.9	1,323	0.32	6.0	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	165	0.52	7.3	175	0.40	9.4	0	--	--
New Mexico	440	0.74	25.2	441	0.72	21.3	0	--	--
Utah	1,089	0.61	11.1	55	1.07	8.4	0	--	--
Wyoming	0	--	--	1,964	0.43	7.3	0	--	--
Pacific Contiguous	0	--	--	124	0.22	4.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	124	0.22	4.5	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,881	2.25	9.8	28,009	0.32	5.9	2,837	0.82	12.0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, November 2014

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	98	0.76	11.1	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	0.83	8.8	0	--	--	0	--	--
Massachusetts	95	0.75	11.2	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,277	2.96	11.2	61	0.24	5.2	0	--	--
New Jersey	93	1.13	8.1	0	--	--	0	--	--
New York	37	2.18	10.3	61	0.24	5.2	0	--	--
Pennsylvania	2,147	3.06	11.4	0	--	--	0	--	--
East North Central	1,397	3.17	15.1	4,350	0.22	4.8	0	--	--
Illinois	581	3.60	26.1	4,266	0.22	4.8	0	--	--
Indiana	251	3.29	10.9	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	565	2.82	9.0	84	0.27	5.4	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	1,554	3.07	10.3	16	0.21	4.2	0	--	--
Delaware	12	2.28	7.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	51	1.11	12.1	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	499	2.38	9.1	16	0.21	4.2	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	34	0.86	10.2	0	--	--	0	--	--
West Virginia	958	3.63	10.9	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	115	0.33	13.1
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	115	0.33	13.1
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	38	1.56	25.8	3,347	0.30	5.2	2,924	0.91	15.6
Arkansas	0	--	--	181	0.26	5.6	0	--	--
Louisiana	0	--	--	462	0.33	5.1	0	--	--
Oklahoma	38	1.56	25.8	84	0.22	4.6	0	--	--
Texas	0	--	--	2,619	0.30	5.2	2,924	0.91	15.6
Mountain	0	--	--	851	0.68	9.6	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	792	0.72	10.0	0	--	--
Nevada	0	--	--	60	0.24	5.4	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	351	0.33	9.4	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	351	0.33	9.4	0	--	--
Pacific Noncontiguous	117	1.24	4.5	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	117	1.24	4.5	0	--	--	0	--	--
U.S. Total	5,482	2.96	11.8	8,975	0.29	5.6	3,039	0.89	15.5

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, November 2014

	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	2.61	9.8	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	2.61	9.8	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	10	3.01	8.6	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	10	3.01	8.6	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	10	3.00	8.6	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, November 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	2	0.81	8.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	0.81	8.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	38	1.75	10.0	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	25	1.64	9.2	0	--	--	0	--	--
Pennsylvania	13	1.96	11.4	0	--	--	0	--	--
East North Central	186	3.09	8.5	80	0.38	5.6	0	--	--
Illinois	129	3.50	8.0	61	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	9	0.48	8.3	0	--	--	0	--	--
Ohio	24	3.62	10.8	0	--	--	0	--	--
Wisconsin	24	1.37	8.5	19	0.28	5.7	0	--	--
West North Central	41	3.50	8.0	64	0.22	4.4	0	--	--
Iowa	41	3.50	8.0	64	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	156	1.41	12.5	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	36	1.35	10.9	0	--	--	0	--	--
Maryland	30	2.22	23.0	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	19	0.82	6.9	0	--	--	0	--	--
Virginia	25	1.89	8.0	0	--	--	0	--	--
West Virginia	46	0.97	12.5	0	--	--	0	--	--
East South Central	118	0.87	8.0	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	118	0.87	8.0	0	--	--	0	--	--
West South Central	5	0.65	9.0	0	--	--	0	--	--
Arkansas	5	0.65	9.0	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	54	0.48	11.4	0	--	--	0	--	--
California	54	0.48	11.4	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	601	1.85	9.8	144	0.31	5.0	0	--	--

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

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2004 - November 2014 (Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,380,662	1,336,133	1,009,516	7,653	3,733,965
2009	1,364,758	1,306,853	917,416	7,768	3,596,795
2010	1,445,708	1,330,199	971,221	7,712	3,754,841
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
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
2014					
January	146,435	114,230	77,616	724	339,006
February	130,478	104,662	73,135	723	308,997
March	114,158	106,873	78,081	645	299,756
April	92,188	102,403	77,638	634	272,863
May	95,507	109,713	82,174	655	288,049
June	117,630	118,776	82,282	615	319,302
July	136,239	126,080	84,179	653	347,151
August	135,247	126,527	85,597	642	348,014
Sept	120,118	120,693	81,717	628	323,157
October	97,570	113,553	81,299	630	293,052
November	99,148	104,415	77,802	638	282,002
Year to Date					
2012	1,260,327	1,222,979	907,354	6,701	3,397,362
2013	1,262,733	1,229,599	878,521	6,860	3,377,713
2014	1,284,718	1,247,925	881,520	7,187	3,421,349
Rolling 12 Months Ending in November					
2013	1,376,921	1,333,721	956,880	7,479	3,675,001
2014	1,413,074	1,356,774	957,725	7,852	3,735,424

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
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Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; 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, 2004 - November 2014 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	155,496	137,036	70,231	820	363,583
2009	157,044	132,747	62,670	828	353,289
2010	166,778	135,554	65,772	814	368,918
2011	166,714	135,927	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
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
2014					
January	17,060	11,808	5,403	75	34,346
February	15,495	11,196	5,211	74	31,975
March	13,993	11,416	5,457	66	30,933
April	11,349	10,652	5,244	64	27,308
May	12,260	11,535	5,559	65	29,418
June	15,262	12,995	6,003	65	34,324
July	17,784	14,075	6,303	68	38,231
August	17,601	14,011	6,318	67	37,996
Sept	15,539	13,391	5,900	68	34,898
October	12,277	12,348	5,650	64	30,340
November	12,354	11,013	5,188	64	28,619
Year to Date					
2012	150,009	123,687	60,652	684	335,032
2013	153,501	126,917	60,063	706	341,186
2014	160,975	134,440	62,235	740	358,390
Rolling 12 Months Ending in November					
2013	166,772	137,128	65,172	769	369,842
2014	176,020	145,301	67,284	808	389,412

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Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; 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, 2004 - November 2014 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	10.26	6.96	10.71	9.74
2009	11.51	10.16	6.83	10.66	9.82
2010	11.54	10.19	6.77	10.56	9.83
2011	11.72	10.24	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
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
2014					
January	11.65	10.34	6.96	10.29	10.13
February	11.88	10.70	7.12	10.19	10.35
March	12.26	10.68	6.99	10.29	10.32
April	12.31	10.40	6.75	10.06	10.01
May	12.84	10.51	6.76	9.89	10.21
June	12.97	10.94	7.30	10.53	10.75
July	13.05	11.16	7.49	10.49	11.01
August	13.01	11.07	7.38	10.37	10.92
Sept	12.94	11.10	7.22	10.86	10.80
October	12.58	10.87	6.95	10.24	10.35
November	12.46	10.55	6.67	10.11	10.15
Year to Date					
2012	11.90	10.11	6.68	10.20	9.86
2013	12.16	10.32	6.84	10.29	10.10
2014	12.53	10.77	7.06	10.30	10.48
Rolling 12 Months Ending in November					
2013	12.11	10.28	6.81	10.29	10.06
2014	12.46	10.71	7.03	10.29	10.42

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Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
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Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2014 and 2013 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	3,487	3,517	4,168	3,462	1,554	2,118	42	44	9,250	9,142
Connecticut	929	920	1,007	972	273	252	11	14	2,220	2,157
Maine	373	374	312	322	302	263	0	0	987	959
Massachusetts	1,460	1,490	2,020	1,374	640	1,255	29	29	4,149	4,147
New Hampshire	329	329	337	339	156	157	0	0	822	825
Rhode Island	227	233	328	293	70	72	2	2	627	600
Vermont	169	171	164	163	113	119	0	0	446	453
Middle Atlantic	9,496	9,418	12,066	12,174	5,792	5,599	342	301	27,697	27,491
New Jersey	1,986	1,988	2,888	2,977	521	614	20	22	5,415	5,602
New York	3,585	3,463	5,842	5,862	1,466	1,099	258	222	11,151	10,646
Pennsylvania	3,925	3,966	3,337	3,335	3,805	3,886	64	56	11,131	11,244
East North Central	14,630	14,332	14,420	14,174	15,815	15,498	50	43	44,914	44,048
Illinois	3,618	3,503	3,973	3,915	3,589	3,490	45	38	11,226	10,946
Indiana	2,564	2,425	1,875	1,864	3,774	3,712	2	2	8,215	8,002
Michigan	2,584	2,604	2,981	2,945	2,620	2,604	0	1	8,185	8,154
Ohio	4,088	4,022	3,692	3,646	3,959	3,801	3	3	11,743	11,473
Wisconsin	1,775	1,778	1,898	1,804	1,873	1,891	0	0	5,546	5,473
West North Central	7,854	7,692	8,271	8,086	7,293	7,359	4	3	23,422	23,140
Iowa	1,018	1,091	996	1,025	1,792	1,721	0	0	3,805	3,837
Kansas	927	895	1,184	1,190	888	905	0	0	2,999	2,989
Minnesota	1,732	1,740	1,913	1,840	1,754	1,799	2	1	5,402	5,380
Missouri	2,616	2,423	2,436	2,403	1,300	1,341	2	2	6,354	6,168
Nebraska	708	701	801	743	815	911	0	0	2,323	2,355
North Dakota	482	461	549	513	525	463	0	0	1,555	1,437
South Dakota	372	381	391	373	219	219	0	0	983	973
South Atlantic	24,906	24,834	23,807	23,794	11,862	11,706	107	101	60,681	60,434
Delaware	318	319	341	332	80	185	0	0	739	835
District of Columbia	132	133	668	642	25	17	27	25	852	817
Florida	7,752	8,136	7,105	7,240	1,380	1,382	7	7	16,244	16,766
Georgia	4,103	3,836	3,518	3,530	2,565	2,590	13	11	10,199	9,968
Maryland	2,073	2,076	2,338	2,259	313	310	43	42	4,768	4,686
North Carolina	3,960	3,908	3,638	3,695	2,399	2,306	1	1	9,997	9,909
South Carolina	2,055	1,986	1,627	1,616	2,476	2,459	0	0	6,158	6,061
Virginia	3,491	3,458	3,918	3,847	1,496	1,424	16	14	8,921	8,742
West Virginia	1,022	983	652	634	1,127	1,033	0	0	2,803	2,650
East South Central	8,435	8,004	6,694	6,731	8,500	8,430	0	0	23,630	23,165
Alabama	2,369	2,230	1,681	1,679	2,700	2,854	0	0	6,750	6,763
Kentucky	2,013	1,922	1,443	1,450	2,591	2,514	0	0	6,047	5,886
Mississippi	1,217	1,168	1,050	1,083	1,401	1,353	0	0	3,668	3,603
Tennessee	2,837	2,685	2,520	2,520	1,808	1,708	0	0	7,165	6,913
West South Central	13,553	12,987	14,512	14,568	13,474	12,770	17	2	41,556	40,327
Arkansas	1,154	1,108	918	903	1,390	1,358	0	NM	3,462	3,370
Louisiana	2,037	1,919	1,951	1,907	2,689	2,525	1	1	6,678	6,352
Oklahoma	1,559	1,458	1,589	1,585	1,403	1,350	0	0	4,552	4,393
Texas	8,803	8,503	10,054	10,172	7,992	7,537	16	1	26,865	26,213
Mountain	6,300	6,208	7,293	7,247	6,571	6,635	10	10	20,174	20,100
Arizona	1,833	1,772	2,188	2,255	1,131	1,018	0	0	5,152	5,045
Colorado	1,402	1,381	1,651	1,578	1,250	1,251	5	5	4,308	4,215
Idaho	737	718	513	480	503	506	0	0	1,753	1,704
Montana	397	414	404	407	329	343	0	0	1,130	1,164
Nevada	557	582	641	678	1,089	1,146	1	1	2,288	2,406
New Mexico	463	465	705	698	612	608	0	0	1,780	1,772
Utah	680	642	862	830	781	862	4	4	2,327	2,337
Wyoming	231	235	328	320	876	902	0	0	1,435	1,457
Pacific Contiguous	10,094	10,426	12,687	12,705	6,532	7,011	65	59	29,378	30,201
California	5,836	5,927	9,097	9,053	3,340	3,765	63	56	18,335	18,802
Oregon	1,614	1,612	1,318	1,316	970	959	2	2	3,903	3,888
Washington	2,645	2,888	2,272	2,336	2,223	2,287	0	0	7,140	7,511
Pacific Noncontiguous	392	394	498	507	410	409	0	0	1,299	1,310
Alaska	182	181	237	235	110	110	0	0	528	526
Hawaii	210	213	261	272	300	299	0	0	771	784
U.S. Total	99,148	97,812	104,415	103,449	77,802	77,536	638	562	282,002	279,359

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
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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 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2014 and 2013 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	43,120	43,589	48,963	41,168	16,847	24,698	516	525	109,446	109,980
Connecticut	11,673	11,867	12,090	11,951	3,146	3,117	156	175	27,064	27,110
Maine	4,212	4,190	3,642	3,751	3,100	2,824	0	0	10,955	10,765
Massachusetts	18,385	18,628	23,902	16,112	6,708	14,811	335	325	49,330	49,877
New Hampshire	4,130	4,115	4,104	4,128	1,805	1,800	0	0	10,038	10,043
Rhode Island	2,808	2,880	3,356	3,369	819	852	25	24	7,007	7,126
Vermont	1,912	1,908	1,870	1,858	1,270	1,293	0	0	5,052	5,059
Middle Atlantic	120,146	121,271	144,428	144,570	66,924	63,038	3,688	3,656	335,185	332,535
New Jersey	25,643	26,177	34,989	35,091	6,709	6,811	281	296	67,623	68,375
New York	45,333	46,235	69,710	70,008	16,060	12,281	2,642	2,607	133,745	131,130
Pennsylvania	49,169	48,859	39,729	39,471	44,155	43,946	764	754	133,817	133,030
East North Central	169,975	169,159	168,069	167,903	177,949	177,941	597	579	516,590	515,583
Illinois	41,909	42,063	46,375	46,610	39,606	39,983	536	516	128,427	129,172
Indiana	30,298	29,695	22,293	22,337	42,549	42,250	18	19	95,159	94,301
Michigan	30,324	30,724	34,543	34,647	29,159	28,165	4	6	94,029	93,541
Ohio	47,717	46,826	43,274	42,990	44,838	46,056	38	39	135,867	135,911
Wisconsin	19,726	19,851	21,584	21,320	21,797	21,487	0	0	63,107	62,658
West North Central	95,472	94,561	94,215	92,322	80,926	80,286	71	37	270,685	267,206
Iowa	12,798	12,992	11,319	11,294	18,775	18,000	0	0	42,892	42,285
Kansas	12,576	12,307	14,388	14,236	10,164	9,763	0	0	37,128	36,306
Minnesota	20,226	20,304	21,503	20,701	19,722	20,360	21	17	61,472	61,382
Missouri	32,097	31,295	28,449	28,339	14,841	15,283	20	20	75,408	74,937
Nebraska	8,927	9,002	8,766	8,568	9,610	9,761	0	0	27,302	27,331
North Dakota	4,595	4,413	5,405	4,929	5,370	4,723	0	0	15,369	14,065
South Dakota	4,253	4,248	4,386	4,256	2,445	2,396	30	0	11,113	10,901
South Atlantic	324,551	312,160	282,860	279,830	130,731	128,556	1,238	1,212	739,380	721,758
Delaware	4,236	4,127	3,895	3,830	2,018	2,337	0	0	10,149	10,293
District of Columbia	1,893	1,850	7,869	7,811	219	208	305	301	10,286	10,169
Florida	107,945	104,347	85,418	84,311	15,587	15,449	88	84	209,038	204,192
Georgia	52,473	49,479	42,989	42,369	29,345	28,787	151	143	124,958	120,778
Maryland	24,931	24,646	27,463	27,608	3,490	3,591	500	495	56,385	56,339
North Carolina	52,664	50,466	43,871	43,261	25,078	24,885	8	7	121,621	118,618
South Carolina	27,991	26,349	20,153	19,594	26,995	26,606	0	0	75,140	72,549
Virginia	41,672	40,544	43,962	43,892	16,250	15,637	184	178	102,068	100,252
West Virginia	10,745	10,353	7,239	7,154	11,750	11,057	3	4	29,737	28,567
East South Central	111,338	106,240	82,047	83,306	95,927	100,565	1	2	289,312	290,113
Alabama	30,137	28,527	20,948	20,585	31,980	31,528	0	0	83,065	80,640
Kentucky	24,728	23,928	17,394	19,189	28,079	33,699	0	0	70,201	76,816
Mississippi	17,541	16,846	12,724	12,662	15,548	15,280	0	0	45,813	44,788
Tennessee	38,931	36,939	30,981	30,870	20,320	20,059	1	2	90,233	87,869
West South Central	200,136	193,429	179,688	175,941	151,902	143,579	177	72	531,903	513,021
Arkansas	16,868	16,455	11,058	10,990	15,446	15,357	NM	NM	43,372	42,803
Louisiana	29,007	27,997	22,695	22,392	29,336	28,295	11	10	81,048	78,694
Oklahoma	21,420	20,811	18,362	18,056	15,467	14,996	0	0	55,250	53,863
Texas	132,842	128,166	127,573	124,503	91,652	84,931	166	61	352,233	337,661
Mountain	86,065	88,090	86,310	86,356	77,391	76,245	121	112	249,887	250,802
Arizona	29,972	30,800	27,705	27,754	12,785	11,554	0	0	70,462	70,108
Colorado	16,516	16,905	18,214	18,110	14,350	14,190	58	56	49,137	49,261
Idaho	7,299	7,604	5,592	5,538	8,421	8,773	0	0	21,313	21,915
Montana	4,416	4,380	4,522	4,458	3,780	3,836	0	0	12,718	12,675
Nevada	11,136	11,214	8,339	8,590	12,531	12,582	8	8	32,013	32,394
New Mexico	6,084	6,202	8,243	8,286	6,852	6,763	0	0	21,178	21,251
Utah	8,177	8,465	10,048	9,944	9,138	9,194	56	49	27,419	27,652
Wyoming	2,466	2,518	3,647	3,677	9,533	9,352	0	0	15,646	15,547
Pacific Contiguous	129,745	129,978	155,876	152,657	78,310	79,062	777	666	364,708	362,364
California	81,521	81,221	114,005	111,249	41,892	42,662	751	641	238,170	235,773
Oregon	16,767	16,944	14,744	14,595	11,088	11,010	21	20	42,620	42,569
Washington	31,457	31,813	27,127	26,813	25,330	25,391	5	5	83,918	84,022
Pacific Noncontiguous	4,171	4,257	5,468	5,544	4,613	4,551	0	0	14,253	14,352
Alaska	1,840	1,874	2,537	2,565	1,230	1,222	0	0	5,607	5,661
Hawaii	2,331	2,383	2,931	2,979	3,384	3,329	0	0	8,646	8,691
U.S. Total	1,284,718	1,262,733	1,247,925	1,229,599	881,520	878,521	7,187	6,860	3,421,349	3,377,713

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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, November 2014 and 2013 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	627	582	585	486	170	247	4	6	1,386	1,320
Connecticut	185	168	153	143	34	32	1	2	373	345
Maine	59	54	40	38	25	21	0	0	123	112
Massachusetts	257	239	277	196	74	155	2	4	610	594
New Hampshire	60	54	48	46	18	18	0	0	126	117
Rhode Island	38	37	44	39	8	9	0	0	90	85
Vermont	29	30	24	24	11	12	0	0	64	66
Middle Atlantic	1,525	1,459	1,563	1,472	410	377	40	36	3,536	3,344
New Jersey	310	305	352	366	53	62	2	3	718	735
New York	697	640	892	800	91	50	32	29	1,713	1,519
Pennsylvania	517	514	318	306	265	265	5	4	1,105	1,089
East North Central	1,869	1,726	1,429	1,336	1,079	1,002	4	2	4,381	4,067
Illinois	435	358	340	302	220	195	3	2	999	857
Indiana	294	268	190	179	260	247	0	0	744	694
Michigan	372	380	325	321	195	191	0	0	892	892
Ohio	523	478	371	341	262	230	0	0	1,156	1,049
Wisconsin	245	242	204	193	141	139	0	0	590	574
West North Central	840	810	717	684	454	458	0	0	2,012	1,952
Iowa	107	119	78	82	85	92	0	0	271	293
Kansas	113	102	119	110	65	62	0	0	297	273
Minnesota	205	203	177	169	118	125	0	0	500	497
Missouri	262	238	198	188	72	73	0	0	533	499
Nebraska	72	70	66	62	56	59	0	0	194	190
North Dakota	42	41	45	41	42	33	0	0	129	115
South Dakota	39	38	34	31	15	15	0	0	88	84
South Atlantic	2,891	2,805	2,327	2,251	769	741	10	9	5,997	5,806
Delaware	45	43	35	34	7	15	0	0	87	93
District of Columbia	17	17	81	78	2	1	NM	2	102	98
Florida	946	937	730	700	110	105	1	1	1,786	1,743
Georgia	437	402	365	348	158	150	1	1	960	901
Maryland	273	273	254	243	27	25	4	4	558	545
North Carolina	422	427	307	318	142	139	0	0	871	884
South Carolina	254	235	170	162	151	146	0	0	574	544
Virginia	403	380	333	316	107	96	1	1	844	793
West Virginia	95	92	53	52	66	63	0	0	215	207
East South Central	898	825	688	660	484	465	0	0	2,070	1,951
Alabama	263	240	185	176	162	154	0	0	610	569
Kentucky	203	185	134	127	138	136	0	0	475	448
Mississippi	142	132	116	112	88	83	0	0	347	327
Tennessee	289	269	252	245	97	93	0	0	638	607
West South Central	1,493	1,415	1,185	1,153	774	724	1	0	3,453	3,292
Arkansas	112	107	74	70	80	76	0	NM	265	253
Louisiana	180	176	166	167	136	145	0	0	482	488
Oklahoma	150	140	117	112	73	68	0	0	340	319
Texas	1,051	993	829	804	485	435	1	0	2,366	2,232
Mountain	708	684	685	669	388	396	1	1	1,783	1,751
Arizona	205	196	208	209	68	62	0	0	480	468
Colorado	163	161	163	157	85	94	1	1	411	412
Idaho	72	69	40	36	28	27	0	0	141	132
Montana	41	43	40	39	18	18	0	0	99	100
Nevada	76	76	63	66	50	55	0	0	189	197
New Mexico	54	52	70	66	37	37	0	0	160	155
Utah	73	65	73	67	45	46	0	0	191	179
Wyoming	25	24	30	28	57	58	0	0	112	110
Pacific Contiguous	1,394	1,408	1,707	1,626	556	592	5	4	3,663	3,630
California	995	995	1,406	1,328	399	429	5	4	2,805	2,757
Oregon	170	161	117	112	60	60	0	0	347	334
Washington	229	251	184	186	98	103	0	0	511	540
Pacific Noncontiguous	109	113	127	133	103	109	0	0	338	354
Alaska	35	33	42	39	17	18	0	0	94	89
Hawaii	73	79	85	94	86	91	0	0	244	265
U.S. Total	12,354	11,827	11,013	10,470	5,188	5,111	64	58	28,619	27,466

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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 November 2014 and 2013 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	7,633	6,967	7,101	5,743	1,967	2,998	45	46	16,745	15,754
Connecticut	2,286	2,086	1,855	1,748	403	395	18	18	4,562	4,248
Maine	644	602	459	435	275	232	0	0	1,378	1,269
Massachusetts	3,151	2,847	3,440	2,305	843	1,935	NM	NM	7,458	7,112
New Hampshire	721	674	588	555	213	204	0	0	1,522	1,434
Rhode Island	495	431	485	428	104	99	4	3	1,087	962
Vermont	336	328	274	272	129	131	0	0	738	730
Middle Atlantic	19,757	19,124	19,799	18,881	5,125	4,582	452	448	45,133	43,035
New Jersey	4,056	4,126	4,641	4,507	783	729	30	31	9,511	9,393
New York	9,124	8,735	11,309	10,717	1,048	777	362	358	21,844	20,586
Pennsylvania	6,577	6,264	3,849	3,657	3,294	3,076	59	59	13,779	13,056
East North Central	21,275	20,429	16,618	16,023	12,338	11,725	35	33	50,266	48,210
Illinois	4,787	4,350	4,054	3,687	2,515	2,301	30	28	11,386	10,366
Indiana	3,414	3,235	2,191	2,120	2,930	2,786	2	2	8,537	8,142
Michigan	4,414	4,496	3,785	3,847	2,256	2,197	1	1	10,454	10,541
Ohio	5,911	5,612	4,232	4,044	2,963	2,812	3	3	13,109	12,471
Wisconsin	2,749	2,736	2,356	2,325	1,674	1,629	0	0	6,779	6,690
West North Central	10,734	10,457	8,677	8,317	5,479	5,322	7	3	24,897	24,099
Iowa	1,470	1,460	998	961	1,092	1,027	0	0	3,561	3,448
Kansas	1,534	1,431	1,452	1,362	761	692	0	0	3,748	3,486
Minnesota	2,468	2,437	2,081	1,983	1,400	1,439	2	2	5,952	5,860
Missouri	3,438	3,344	2,530	2,499	927	948	2	2	6,897	6,793
Nebraska	943	940	769	742	707	709	0	0	2,419	2,391
North Dakota	431	405	463	410	418	340	0	0	1,313	1,155
South Dakota	449	439	384	360	173	166	3	0	1,009	966
South Atlantic	38,289	35,583	27,517	26,265	8,845	8,336	111	105	74,761	70,290
Delaware	568	538	413	392	176	198	0	0	1,156	1,129
District of Columbia	243	233	964	932	18	12	NM	29	1,255	1,205
Florida	12,932	11,848	8,515	7,996	1,257	1,188	8	7	22,712	21,040
Georgia	6,128	5,613	4,442	4,172	1,933	1,763	12	12	12,515	11,560
Maryland	3,397	3,259	3,084	2,952	319	300	44	42	6,845	6,552
North Carolina	5,894	5,527	3,859	3,773	1,622	1,578	1	1	11,376	10,878
South Carolina	3,449	3,122	2,054	1,923	1,696	1,567	0	0	7,200	6,612
Virginia	4,671	4,453	3,606	3,538	1,132	1,041	15	15	9,425	9,047
West Virginia	1,005	991	579	587	692	688	0	0	2,277	2,266
East South Central	12,003	11,110	8,503	8,185	6,019	6,003	0	0	26,526	25,299
Alabama	3,486	3,237	2,273	2,177	1,999	1,898	0	0	7,758	7,312
Kentucky	2,491	2,330	1,624	1,626	1,609	1,821	0	0	5,724	5,776
Mississippi	1,995	1,826	1,387	1,289	1,058	987	0	0	4,441	4,101
Tennessee	4,031	3,717	3,219	3,094	1,352	1,298	0	0	8,602	8,109
West South Central	22,180	20,838	14,798	14,283	9,201	8,423	9	7	46,188	43,551
Arkansas	1,607	1,574	888	878	919	906	NM	NM	3,414	3,358
Louisiana	2,761	2,645	2,064	2,005	1,768	1,675	1	1	6,594	6,326
Oklahoma	2,154	2,037	1,481	1,399	872	802	0	0	4,508	4,239
Texas	15,659	14,582	10,364	10,000	5,641	5,040	8	6	31,672	29,628
Mountain	10,134	10,017	8,400	8,119	5,211	4,954	13	12	23,757	23,101
Arizona	3,614	3,633	2,795	2,753	859	778	0	0	7,268	7,164
Colorado	2,023	2,013	1,872	1,792	1,060	1,030	6	6	4,961	4,840
Idaho	712	713	437	410	543	539	0	0	1,692	1,661
Montana	456	457	435	425	208	206	0	0	1,099	1,087
Nevada	1,433	1,330	802	772	897	828	1	1	3,132	2,931
New Mexico	754	730	857	812	452	429	0	0	2,063	1,971
Utah	882	885	877	838	561	545	6	5	2,326	2,274
Wyoming	260	256	326	317	632	599	0	0	1,217	1,172
Pacific Contiguous	17,737	17,752	21,578	19,686	6,824	6,533	69	51	46,208	44,022
California	13,220	13,309	18,125	16,383	5,044	4,816	66	49	36,455	34,556
Oregon	1,759	1,683	1,299	1,227	681	647	2	2	3,740	3,559
Washington	2,759	2,760	2,155	2,076	1,099	1,070	0	0	6,013	5,907
Pacific Noncontiguous	1,233	1,223	1,450	1,415	1,225	1,186	0	0	3,908	3,824
Alaska	357	341	438	399	196	192	0	0	991	932
Hawaii	876	882	1,012	1,016	1,029	994	0	0	2,917	2,892
U.S. Total	160,975	153,501	134,440	126,917	62,235	60,063	740	706	358,390	341,186

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Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, November 2014 and 2013 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	17.98	16.54	14.04	14.02	10.97	11.64	8.98	12.97	14.99	14.44
Connecticut	19.87	18.21	15.18	14.74	12.45	12.90	11.62	11.17	16.79	15.98
Maine	15.82	14.39	12.70	11.70	8.14	7.88	--	--	12.49	11.70
Massachusetts	17.57	16.05	13.70	14.23	11.63	12.36	7.47	13.77	14.70	14.31
New Hampshire	18.22	16.43	14.37	13.45	11.40	11.21	--	--	15.34	14.21
Rhode Island	16.69	15.97	13.26	13.48	11.96	11.80	15.30	13.67	14.36	14.25
Vermont	17.11	17.54	14.74	14.82	9.95	10.26	--	--	14.42	14.65
Middle Atlantic	16.05	15.50	12.95	12.09	7.07	6.73	11.55	11.92	12.77	12.16
New Jersey	15.60	15.33	12.20	12.29	10.24	10.13	10.44	11.56	13.25	13.13
New York	19.46	18.48	15.28	13.65	6.21	4.55	12.56	13.10	15.36	14.27
Pennsylvania	13.18	12.97	9.53	9.17	6.97	6.81	7.82	7.39	9.93	9.69
East North Central	12.77	12.04	9.91	9.43	6.82	6.47	7.13	5.37	9.75	9.23
Illinois	12.04	10.21	8.56	7.73	6.13	5.60	6.88	4.93	8.90	7.83
Indiana	11.46	11.04	10.12	9.60	6.90	6.65	11.65	11.38	9.06	8.67
Michigan	14.40	14.59	10.89	10.89	7.45	7.33	11.70	9.89	10.90	10.94
Ohio	12.79	11.88	10.05	9.35	6.62	6.05	8.11	6.84	9.85	9.14
Wisconsin	13.79	13.61	10.73	10.72	7.55	7.36	--	--	10.63	10.50
West North Central	10.70	10.53	8.67	8.46	6.23	6.22	8.27	8.40	8.59	8.43
Iowa	10.52	10.88	7.88	8.05	4.77	5.34	--	--	7.12	7.64
Kansas	12.21	11.40	10.02	9.21	7.35	6.80	--	--	9.90	9.14
Minnesota	11.83	11.64	9.23	9.21	6.75	6.93	9.25	10.19	9.26	9.24
Missouri	10.03	9.80	8.14	7.84	5.54	5.43	6.87	6.80	8.39	8.09
Nebraska	10.12	9.93	8.23	8.29	6.88	6.49	--	--	8.33	8.08
North Dakota	8.74	8.85	8.16	8.08	7.98	7.13	--	--	8.28	8.02
South Dakota	10.46	10.06	8.66	8.37	6.87	6.77	--	--	8.94	8.67
South Atlantic	11.61	11.30	9.78	9.46	6.48	6.33	9.20	8.75	9.88	9.61
Delaware	14.05	13.41	10.24	10.36	8.86	8.37	--	--	11.73	11.09
District of Columbia	12.75	12.88	12.06	12.16	6.77	4.63	NM	9.68	11.96	12.04
Florida	12.20	11.51	10.28	9.67	7.93	7.63	9.67	8.96	11.00	10.40
Georgia	10.65	10.48	10.37	9.87	6.15	5.77	5.73	7.41	9.42	9.04
Maryland	13.18	13.15	10.87	10.76	8.47	8.05	9.75	8.57	11.71	11.62
North Carolina	10.65	10.93	8.43	8.60	5.94	6.05	7.80	8.28	8.71	8.92
South Carolina	12.35	11.85	10.42	10.02	6.10	5.95	--	--	9.33	8.97
Virginia	11.54	10.99	8.49	8.20	7.13	6.74	8.55	8.66	9.46	9.07
West Virginia	9.32	9.36	8.16	8.21	5.88	6.09	9.11	8.37	7.67	7.81
East South Central	10.64	10.31	10.28	9.81	5.70	5.52	8.04	11.73	8.76	8.42
Alabama	11.12	10.75	11.01	10.49	5.99	5.38	--	--	9.04	8.42
Kentucky	10.08	9.60	9.30	8.77	5.32	5.42	--	--	7.85	7.61
Mississippi	11.71	11.32	11.07	10.34	6.29	6.11	--	--	9.46	9.07
Tennessee	10.19	10.01	10.02	9.74	5.35	5.42	8.04	11.73	8.91	8.78
West South Central	11.01	10.90	8.17	7.91	5.75	5.67	5.53	8.08	8.31	8.16
Arkansas	9.69	9.67	8.02	7.78	5.76	5.58	12.22	NM	7.67	7.52
Louisiana	8.83	9.15	8.48	8.76	5.07	5.74	8.60	8.50	7.22	7.68
Oklahoma	9.63	9.61	7.35	7.04	5.21	5.02	--	--	7.47	7.27
Texas	11.94	11.68	8.25	7.90	6.07	5.77	5.32	7.66	8.81	8.51
Mountain	11.24	11.02	9.40	9.23	5.91	5.98	10.55	10.67	8.84	8.71
Arizona	11.17	11.06	9.49	9.29	5.97	6.11	--	--	9.31	9.27
Colorado	11.61	11.65	9.84	9.96	6.78	7.49	10.86	10.48	9.53	9.78
Idaho	9.82	9.54	7.80	7.54	5.66	5.33	--	--	8.03	7.73
Montana	10.32	10.27	9.81	9.61	5.46	5.27	--	--	8.72	8.57
Nevada	13.62	13.07	9.83	9.71	4.62	4.78	8.95	8.21	8.27	8.17
New Mexico	11.60	11.09	9.86	9.48	6.07	6.06	--	--	9.01	8.73
Utah	10.72	10.10	8.50	8.10	5.73	5.36	10.40	11.27	8.22	7.64
Wyoming	10.66	10.24	9.03	8.76	6.56	6.41	--	--	7.78	7.54
Pacific Contiguous	13.81	13.50	13.46	12.80	8.51	8.45	8.22	7.37	12.47	12.02
California	17.05	16.80	15.45	14.67	11.93	11.40	8.18	7.31	15.30	14.66
Oregon	10.56	10.00	8.88	8.52	6.15	6.28	9.31	9.05	8.89	8.58
Washington	8.66	8.70	8.12	7.95	4.40	4.49	8.89	8.52	7.16	7.18
Pacific Noncontiguous	27.81	28.57	25.43	26.22	25.09	26.59	--	--	26.04	27.04
Alaska	19.47	18.33	17.53	16.49	15.72	15.98	--	--	17.82	17.02
Hawaii	35.06	37.24	32.59	34.61	28.51	30.52	--	--	31.67	33.77
U.S. Total	12.46	12.09	10.55	10.12	6.67	6.59	10.11	10.40	10.15	9.83

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2014 and 2013 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD	November 2014 YTD	November 2013 YTD
New England	17.70	15.98	14.50	13.95	11.68	12.14	8.65	8.77	15.30	14.32
Connecticut	19.59	17.58	15.34	14.63	12.81	12.68	11.33	10.12	16.86	15.67
Maine	15.28	14.36	12.61	11.59	8.88	8.23	--	--	12.58	11.79
Massachusetts	17.14	15.28	14.39	14.31	12.57	13.07	NM	NM	15.12	14.26
New Hampshire	17.45	16.38	14.34	13.45	11.82	11.36	--	--	15.16	14.27
Rhode Island	17.62	14.96	14.44	12.72	12.72	11.64	14.50	13.16	15.51	13.50
Vermont	17.58	17.16	14.63	14.62	10.13	10.15	--	--	14.62	14.44
Middle Atlantic	16.44	15.77	13.71	13.06	7.66	7.27	12.25	12.24	13.47	12.94
New Jersey	15.82	15.76	13.26	12.84	11.67	10.71	10.74	10.35	14.06	13.74
New York	20.13	18.89	16.22	15.31	6.53	6.32	13.71	13.73	16.33	15.70
Pennsylvania	13.38	12.82	9.69	9.26	7.46	7.00	7.75	7.81	10.30	9.81
East North Central	12.52	12.08	9.89	9.54	6.93	6.59	5.94	5.76	9.73	9.35
Illinois	11.42	10.34	8.74	7.91	6.35	5.75	5.61	5.50	8.87	8.03
Indiana	11.27	10.89	9.83	9.49	6.89	6.59	10.25	9.96	8.97	8.63
Michigan	14.55	14.63	10.96	11.10	7.74	7.80	13.07	9.50	11.12	11.27
Ohio	12.39	11.99	9.78	9.41	6.61	6.11	7.67	6.60	9.65	9.18
Wisconsin	13.94	13.78	10.92	10.90	7.68	7.58	--	--	10.74	10.68
West North Central	11.24	11.06	9.21	9.01	6.77	6.63	9.38	8.89	9.20	9.02
Iowa	11.48	11.24	8.82	8.51	5.82	5.71	--	--	8.30	8.15
Kansas	12.20	11.63	10.09	9.57	7.49	7.09	--	--	10.09	9.60
Minnesota	12.20	12.00	9.68	9.58	7.10	7.07	9.83	9.87	9.68	9.55
Missouri	10.71	10.69	8.89	8.82	6.25	6.20	7.76	8.05	9.15	9.07
Nebraska	10.56	10.44	8.78	8.66	7.35	7.27	--	--	8.86	8.75
North Dakota	9.39	9.18	8.57	8.32	7.79	7.20	--	--	8.54	8.21
South Dakota	10.57	10.33	8.75	8.47	7.06	6.95	10.17	--	9.08	8.86
South Atlantic	11.80	11.40	9.73	9.39	6.77	6.48	8.93	8.65	10.11	9.74
Delaware	13.40	13.04	10.60	10.24	8.70	8.49	--	--	11.39	10.96
District of Columbia	12.84	12.57	12.26	11.93	8.07	5.98	NM	9.55	12.20	11.85
Florida	11.98	11.35	9.97	9.48	8.07	7.69	9.21	8.66	10.87	10.30
Georgia	11.68	11.34	10.33	9.85	6.59	6.12	7.95	8.08	10.02	9.57
Maryland	13.63	13.22	11.23	10.69	9.14	8.35	8.88	8.46	12.14	11.63
North Carolina	11.19	10.95	8.80	8.72	6.47	6.34	7.86	7.92	9.35	9.17
South Carolina	12.32	11.85	10.19	9.81	6.28	5.89	--	--	9.58	9.11
Virginia	11.21	10.98	8.20	8.06	6.97	6.66	8.22	8.16	9.23	9.02
West Virginia	9.36	9.57	8.00	8.20	5.89	6.22	9.03	8.55	7.66	7.93
East South Central	10.78	10.46	10.36	9.83	6.27	5.97	12.16	11.61	9.17	8.72
Alabama	11.57	11.35	10.85	10.57	6.25	6.02	--	--	9.34	9.07
Kentucky	10.08	9.74	9.33	8.47	5.73	5.40	--	--	8.15	7.52
Mississippi	11.37	10.84	10.90	10.18	6.81	6.46	--	--	9.69	9.16
Tennessee	10.35	10.06	10.39	10.02	6.66	6.47	12.16	11.61	9.53	9.23
West South Central	11.08	10.77	8.24	8.12	6.06	5.87	5.33	10.08	8.68	8.49
Arkansas	9.53	9.57	8.03	7.99	5.95	5.90	NM	NM	7.87	7.85
Louisiana	9.52	9.45	9.09	8.96	6.03	5.92	9.32	9.54	8.14	8.04
Oklahoma	10.06	9.79	8.07	7.75	5.64	5.35	--	--	8.16	7.87
Texas	11.79	11.38	8.12	8.03	6.15	5.93	5.07	10.16	8.99	8.77
Mountain	11.77	11.37	9.73	9.40	6.73	6.50	10.54	10.51	9.51	9.21
Arizona	12.06	11.80	10.09	9.92	6.72	6.73	--	--	10.31	10.22
Colorado	12.25	11.91	10.28	9.89	7.39	7.26	10.85	10.56	10.10	9.83
Idaho	9.76	9.37	7.81	7.40	6.45	6.15	--	--	7.94	7.58
Montana	10.32	10.43	9.62	9.53	5.50	5.36	--	--	8.64	8.58
Nevada	12.87	11.86	9.61	8.99	7.15	6.58	9.30	8.50	9.78	9.05
New Mexico	12.39	11.77	10.39	9.80	6.59	6.34	--	--	9.74	9.27
Utah	10.79	10.46	8.72	8.43	6.14	5.93	10.40	10.76	8.48	8.22
Wyoming	10.53	10.18	8.94	8.62	6.62	6.40	--	--	7.78	7.54
Pacific Contiguous	13.67	13.66	13.84	12.90	8.71	8.26	8.84	7.73	12.67	12.15
California	16.22	16.39	15.90	14.73	12.04	11.29	8.84	7.68	15.31	14.66
Oregon	10.49	9.93	8.81	8.41	6.14	5.88	9.21	8.91	8.78	8.36
Washington	8.77	8.68	7.94	7.74	4.34	4.22	8.34	8.28	7.17	7.03
Pacific Noncontiguous	29.57	28.74	26.51	25.52	26.55	26.06	--	--	27.42	26.64
Alaska	19.41	18.20	17.26	15.55	15.94	15.69	--	--	17.67	16.46
Hawaii	37.59	37.02	34.52	34.10	30.41	29.87	--	--	33.74	33.28
U.S. Total	12.53	12.16	10.77	10.32	7.06	6.84	10.30	10.29	10.48	10.10

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

Table 6.1. Electric Generating Summer Capacity Changes (MW) for Utility Scale Units, October 2014 to November 2014

	As of End of October 2014	Activity During November 2014 as Reported to EIA		As of End of November 2014	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)	61,594.9	602.1	60.8	62,136.2	541.3	1,767.3	2,484.1	2,731.5	7,037.3	30.0	30.0	2,701.5	7,007.3	64,837.7	69,143.5
..... *Solar Photovoltaic*	*7,179.9*	*808.5*	*5.3*	*7,983.1*	*803.2*	*3,004.8*	*3,461.1*	*628.6*	*1,756.0*	*0.0*	*0.0*	*628.6*	*1,756.0*	*8,611.7*	*9,739.1*
..... *Solar Thermal without Energy Storage*	*1,112.5*	*0.0*	*0.0*	*1,112.5*	*0.0*	*120.5*	*511.5*	*250.0*	*250.0*	*0.0*	*0.0*	*250.0*	*250.0*	*1,362.5*	*1,362.5*
..... *Solar Thermal with Energy Storage*	*295.4*	*0.0*	*0.0*	*295.4*	*0.0*	*45.4*	*45.4*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*110.0*	*295.4*	*405.4*
..... Solar Subtotal	8,587.8	808.5	5.3	9,391.0	803.2	3,170.7	4,018.0	878.6	2,116.0	0.0	0.0	878.6	2,116.0	10,269.6	11,507.0
..... Conventional Hydroelectric	79,174.7	99.5	44.7	79,229.5	54.8	209.3	219.9	4.0	523.2	0.0	114.2	4.0	409.0	79,233.5	79,638.5
..... *Wood/Wood Waste Biomass*	*8,334.7*	*42.0*	*75.4*	*8,301.3*	*-33.4*	*100.0*	*308.9*	*29.0*	*98.0*	*0.0*	*23.0*	*29.0*	*75.0*	*8,330.3*	*8,376.3*
..... *Landfill Gas*	*2,071.9*	*5.7*	*14.0*	*2,063.6*	*-8.3*	*91.8*	*104.9*	*4.8*	*15.1*	*0.0*	*9.0*	*4.8*	*6.1*	*2,068.4*	*2,069.7*
..... *Municipal Solid Waste*	*2,230.7*	*0.0*	*0.0*	*2,230.7*	*0.0*	*0.0*	*0.0*	*0.0*	*85.0*	*0.0*	*0.0*	*0.0*	*85.0*	*2,230.7*	*2,315.7*
..... *Other Waste Biomass*	*807.5*	*8.0*	*0.0*	*815.5*	*8.0*	*-23.7*	*82.1*	*2.8*	*36.2*	*0.0*	*0.0*	*2.8*	*36.2*	*818.3*	*851.7*
..... Biomass Sources Subtotal	13,444.8	55.7	89.4	13,411.1	-33.7	168.1	495.9	36.6	234.3	0.0	32.0	36.6	202.3	13,447.7	13,613.4
..... Geothermal	2,607.0	0.0	0.0	2,607.0	0.0	-81.6	-41.2	0.0	1.8	0.0	0.0	0.0	1.8	2,607.0	2,608.8
... Renewable Sources Subtotal	***165,409.2***	***1,565.8***	***200.2***	***166,774.8***	***1,365.6***	***5,233.8***	***7,176.7***	***3,650.7***	***9,912.6***	***30.0***	***176.2***	***3,620.7***	***9,736.4***	***170,395.5***	***176,511.2***
..... *Natural Gas Fired Combined Cycle*	*226,027.7*	*720.2*	*21.0*	*226,726.9*	*699.2*	*1,848.2*	*1,848.2*	*2,745.7*	*6,079.1*	*0.0*	*6.0*	*2,745.7*	*6,073.1*	*229,472.6*	*232,800.0*
..... *Natural Gas Fired Combustion Turbine*	*124,875.8*	*16.0*	*100.0*	*124,791.8*	*-84.0*	*384.9*	*353.2*	*8.8*	*1,442.7*	*16.0*	*1,358.5*	*-7.2*	*84.2*	*124,784.6*	*124,876.0*
..... *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*	*78,848.5*	*18.7*	*172.6*	*78,694.6*	*-153.9*	*1,136.6*	*1,213.5*	*0.0*	*714.0*	*225.2*	*236.8*	*-225.2*	*477.2*	*78,469.4*	*79,171.8*
..... Natural Gas Subtotal	429,862.0	754.9	293.6	430,323.3	461.3	3,369.7	3,414.9	2,754.5	8,235.8	241.2	1,601.3	2,513.3	6,634.5	432,836.6	436,957.8
..... *Conventional Steam Coal*	*300,583.1*	*197.9*	*1,138.5*	*299,642.5*	*-940.6*	*-5,570.8*	*-6,086.9*	*0.0*	*10.0*	*303.5*	*11,906.2*	*-303.5*	*-11,896.2*	*299,339.0*	*287,746.3*
..... *Coal Integrated Gasification Combined Cycle*	*791.0*	*0.0*	*0.0*	*791.0*	*0.0*	*0.4*	*0.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*791.0*	*791.0*
..... Coal Subtotal	301,374.1	197.9	1,138.5	300,433.5	-940.6	-5,570.4	-6,086.5	0.0	10.0	303.5	11,906.2	-303.5	-11,896.2	300,130.0	288,537.3
..... Petroleum Coke	2,319.7	0.0	0.0	2,319.7	0.0	-389.6	-389.6	0.0	0.0	0.0	0.0	0.0	0.0	2,319.7	2,319.7
..... Petroleum Liquids	40,459.7	0.0	17.4	40,442.3	-17.4	-2,496.5	-3,038.5	1.9	3.2	1.6	803.0	0.3	-799.8	40,442.6	39,642.5
..... Other Gases	2,067.8	0.0	0.0	2,067.8	0.0	126.2	126.2	0.0	0.0	0.0	3.2	0.0	-3.2	2,067.8	2,064.6
... Fossil Fuels Subtotal	***776,083.3***	***952.8***	***1,449.5***	***775,586.6***	***-496.7***	***-4,960.6***	***-5,973.5***	***2,756.4***	***8,249.0***	***546.3***	***14,313.7***	***2,210.1***	***-6,064.7***	***777,796.7***	***769,521.9***
..... Hydroelectric Pumped Storage	22,411.3	0.0	0.0	22,411.3	0.0	43.0	43.0	0.0	114.0	0.0	0.0	0.0	114.0	22,411.3	22,525.3
..... Flywheels	43.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0
..... Batteries	149.6	0.0	0.0	149.6	0.0	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	149.6	149.6
... Energy Storage Subtotal	***22,603.9***	***0.0***	***0.0***	***22,603.9***	***0.0***	***49.8***	***49.8***	***0.0***	***114.0***	***0.0***	***0.0***	***0.0***	***114.0***	***22,603.9***	***22,717.9***
... Nuclear	***99,224.2***	***1.0***	***0.0***	***99,225.2***	***1.0***	***120.2***	***228.2***	***0.0***	***0.0***	***604.3***	***604.3***	***-604.3***	***-604.3***	***98,620.9***	***98,620.9***
... All Other	***2,135.9***	***0.0***	***27.3***	***2,108.6***	***-27.3***	***544.5***	***544.5***	***14.0***	***14.0***	***0.0***	***0.0***	***14.0***	***14.0***	***2,122.6***	***2,122.6***
TOTAL	**1,065,456.5**	**2,519.6**	**1,677.0**	**1,066,299.1**	**842.6**	**987.7**	**2,025.7**	**6,421.1**	**18,289.6**	**1,180.6**	**15,094.2**	**5,240.5**	**3,195.4**	**1,071,539.6**	**1,069,494.5**

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.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, November 2014 and 2013 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	4,480.6	4,256.2	22,815.3	24,387.4	1,775.4	1,753.4	3.0	3.0	4,630.3	4,630.3	52.9	48.0	33,757.5	35,078.3
Connecticut	331.6	294.7	6,259.4	6,381.8	29.4	29.4	0.0	0.0	2,102.5	2,102.5	30.9	26.0	8,753.8	8,834.4
Maine	1,809.6	1,696.6	2,663.3	2,764.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,494.9	4,483.5
Massachusetts	823.2	774.4	9,796.6	11,149.4	1,746.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	13,046.1	14,328.1
New Hampshire	930.5	930.0	2,236.7	2,238.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,413.4	4,414.9
Rhode Island	49.5	29.8	1,759.8	1,752.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,809.3	1,782.6
Vermont	536.2	530.7	99.5	99.8	0.0	0.0	0.0	0.0	604.3	604.3	0.0	0.0	1,240.0	1,234.8
Middle Atlantic	10,117.8	9,822.8	68,559.3	69,235.8	3,341.0	3,321.0	40.0	48.0	19,234.3	19,055.4	11.2	11.2	101,303.6	101,494.2
New Jersey	598.5	485.7	13,589.4	13,927.4	420.0	400.0	0.0	0.0	4,107.5	4,114.5	11.2	11.2	18,726.6	18,938.8
New York	6,665.4	6,448.0	26,422.8	25,914.2	1,400.0	1,400.0	20.0	28.0	5,421.0	5,263.3	0.0	0.0	39,929.2	39,053.5
Pennsylvania	2,853.9	2,889.1	28,547.1	29,394.2	1,521.0	1,521.0	20.0	20.0	9,705.8	9,677.6	0.0	0.0	42,647.8	43,501.9
East North Central	9,192.6	8,967.0	121,241.2	123,676.0	1,872.0	1,871.0	24.0	0.0	18,838.1	18,809.2	109.1	114.1	151,277.0	153,437.3
Illinois	3,718.2	3,717.7	29,800.6	29,854.0	0.0	0.0	0.0	0.0	11,577.5	11,541.0	0.0	5.0	45,096.3	45,117.7
Indiana	1,738.9	1,673.9	25,396.6	25,618.7	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	27,223.5	27,380.6
Michigan	1,923.2	1,674.6	22,317.7	23,059.6	1,872.0	1,871.0	0.0	0.0	3,929.1	3,936.2	0.0	0.0	30,042.0	30,541.4
Ohio	708.0	759.4	28,834.1	29,922.8	0.0	0.0	24.0	0.0	2,134.0	2,150.0	0.0	0.0	31,700.1	32,832.2
Wisconsin	1,104.3	1,141.4	14,892.2	15,220.9	0.0	0.0	0.0	0.0	1,197.5	1,182.0	21.1	21.1	17,215.1	17,565.4
West North Central	18,741.3	17,809.7	62,275.9	62,199.7	657.0	657.0	1.0	1.0	5,888.0	5,805.0	24.5	23.7	87,587.7	86,496.1
Iowa	5,212.3	5,167.4	10,125.3	10,186.5	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	15,939.0	15,955.3
Kansas	2,990.9	2,733.2	10,147.3	10,185.1	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.0	14,314.0	14,093.3
Minnesota	3,517.9	3,391.4	10,549.3	10,444.8	0.0	0.0	1.0	1.0	1,673.0	1,594.0	18.4	18.4	15,759.6	15,449.6
Missouri	1,049.2	1,038.1	18,859.1	19,129.6	657.0	657.0	0.0	0.0	1,194.0	1,190.0	0.0	0.0	21,759.3	22,014.7
Nebraska	1,103.5	816.4	6,384.8	6,286.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,732.9	8,347.9
North Dakota	2,479.0	2,274.7	4,511.4	4,288.1	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	6,995.7	6,568.1
South Dakota	2,388.5	2,388.5	1,698.7	1,678.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,087.2	4,067.2
South Atlantic	12,493.7	11,980.2	161,695.4	162,315.0	7,905.2	7,905.2	32.0	32.0	24,562.6	24,603.0	902.7	406.0	207,591.6	207,241.4
Delaware	38.3	38.3	3,042.4	3,337.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,080.7	3,375.3
District of Columbia	0.0	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	10.0
Florida	1,306.4	1,166.4	54,337.5	53,831.8	0.0	0.0	0.0	0.0	3,572.0	3,700.0	752.7	352.0	59,968.6	59,050.2
Georgia	2,813.6	2,792.9	29,473.5	29,538.7	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	0.0	0.0	38,210.3	38,254.8
Maryland	910.3	902.9	9,598.1	9,637.9	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,224.4	12,256.8
North Carolina	3,022.1	2,660.9	21,939.5	22,107.2	86.0	86.0	0.0	0.0	5,076.1	5,056.0	54.0	54.0	30,177.7	29,964.1
South Carolina	1,769.5	1,728.3	11,774.9	12,134.7	2,716.0	2,716.0	0.0	0.0	6,556.2	6,508.0	0.0	0.0	22,816.6	23,087.0
Virginia	1,747.5	1,818.3	16,162.0	16,306.6	3,241.0	3,241.0	0.0	0.0	3,581.3	3,562.0	96.0	0.0	24,827.8	24,927.9
West Virginia	886.0	872.2	15,358.5	15,411.1	0.0	0.0	32.0	32.0	0.0	0.0	0.0	0.0	16,276.5	16,315.3
East South Central	7,945.0	7,941.6	70,513.6	70,955.3	1,616.3	1,616.3	0.0	0.0	9,857.5	9,863.1	151.4	1.4	90,083.8	90,377.7
Alabama	3,889.6	3,948.9	22,917.1	23,333.1	0.0	0.0	0.0	0.0	5,043.4	5,043.4	0.0	0.0	31,850.1	32,325.4
Kentucky	903.4	900.7	20,102.2	20,121.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21,005.6	21,021.8
Mississippi	278.2	236.7	14,395.7	14,050.5	0.0	0.0	0.0	0.0	1,413.4	1,419.0	151.4	1.4	16,238.7	15,707.6
Tennessee	2,873.8	2,855.3	13,098.6	13,450.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	20,989.4	21,322.9
West South Central	20,919.5	19,693.2	147,370.6	145,987.3	288.0	288.0	36.0	37.0	8,904.4	8,922.0	425.9	435.9	177,944.4	175,363.4
Arkansas	1,632.6	1,666.5	11,306.3	11,858.8	28.0	28.0	0.0	0.0	1,819.0	1,828.0	0.0	0.0	14,785.9	15,381.3
Louisiana	642.9	571.5	23,257.3	22,647.8	0.0	0.0	0.0	0.0	2,125.4	2,134.0	202.3	207.6	26,227.9	25,560.9
Oklahoma	4,084.3	4,070.7	18,963.9	19,160.6	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	23,308.2	23,491.3
Texas	14,559.7	13,384.5	93,843.1	92,320.1	0.0	0.0	36.0	37.0	4,960.0	4,960.0	223.6	228.3	113,622.4	110,929.9
Mountain	20,513.8	19,662.9	64,774.5	65,132.7	778.8	778.8	2.6	1.8	3,937.0	3,937.0	111.4	111.4	90,118.1	89,624.6
Arizona	4,295.4	4,068.6	19,592.1	20,125.9	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,040.8	28,347.8
Colorado	3,364.6	3,093.4	11,195.2	11,324.9	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	15,131.6	14,990.1
Idaho	3,775.1	3,762.9	1,137.4	1,133.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,927.3	4,910.8
Montana	3,393.2	3,401.8	2,911.7	2,913.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,348.9	6,359.5
Nevada	2,171.5	1,936.1	8,684.6	8,559.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,856.1	10,495.8
New Mexico	1,131.7	1,044.6	6,874.9	7,455.9	0.0	0.0	2.6	1.8	0.0	0.0	0.0	0.0	8,009.2	8,502.3
Utah	666.7	641.1	7,629.3	6,965.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,327.8	7,638.2
Wyoming	1,715.6	1,714.4	6,749.3	6,654.2	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,476.4	8,380.1
Pacific Contiguous	61,332.5	58,447.9	52,348.7	53,657.0	4,177.6	4,177.6	6.0	0.0	3,373.0	3,372.0	292.9	385.8	121,530.7	120,040.3
California	24,919.3	22,140.1	43,920.9	44,910.1	3,863.6	3,863.6	6.0	0.0	2,240.0	2,240.0	235.6	375.8	75,185.4	73,529.6
Oregon	12,034.5	11,950.0	3,634.9	3,597.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	15,669.9	15,547.2
Washington	24,378.7	24,357.8	4,792.9	5,149.7	314.0	314.0	0.0	0.0	1,133.0	1,132.0	56.8	10.0	30,675.4	30,963.5
Pacific Noncontiguous	1,038.0	1,016.6	3,992.1	4,013.9	0.0	0.0	48.0	63.0	0.0	0.0	26.6	26.6	5,104.7	5,120.1
Alaska	482.6	480.2	1,921.1	1,848.7	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,430.7	2,355.9
Hawaii	555.4	536.4	2,071.0	2,165.2	0.0	0.0	21.0	36.0	0.0	0.0	26.6	26.6	2,674.0	2,764.2
U.S. Total	166,774.8	159,598.1	775,586.6	781,560.1	22,411.3	22,368.3	192.6	185.8	99,225.2	98,997.0	2,108.6	1,564.1	1,066,299.1	1,064,273.4

Values 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'

Table 6.2.B. Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State, November 2014 and 2013 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	800.9	785.0	232.3	63.8	0.0	0.0	1,952.6	1,957.2	1,494.8	1,450.2	0.0	0.0	4,480.6	4,256.2
Connecticut	0.0	0.0	5.0	0.0	0.0	0.0	122.2	122.2	204.4	172.5	0.0	0.0	331.6	294.7
Maine	430.6	427.6	0.0	0.0	0.0	0.0	726.7	734.4	652.3	534.6	0.0	0.0	1,809.6	1,696.6
Massachusetts	76.1	64.7	204.0	53.9	0.0	0.0	263.0	260.4	280.1	395.4	0.0	0.0	823.2	774.4
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	514.4	513.9	245.1	245.1	0.0	0.0	930.5	930.0
Rhode Island	3.0	1.5	6.9	1.9	0.0	0.0	2.7	2.7	36.9	23.7	0.0	0.0	49.5	29.8
Vermont	120.2	120.2	16.4	8.0	0.0	0.0	323.6	323.6	76.0	78.9	0.0	0.0	536.2	530.7
Middle Atlantic	3,098.4	3,017.7	444.9	328.5	0.0	0.0	5,226.8	5,204.2	1,347.7	1,272.4	0.0	0.0	10,117.8	9,822.8
New Jersey	7.5	7.5	357.9	257.3	0.0	0.0	3.3	3.3	229.8	217.6	0.0	0.0	598.5	485.7
New York	1,747.0	1,636.4	46.2	34.2	0.0	0.0	4,332.3	4,314.4	539.9	463.0	0.0	0.0	6,665.4	6,448.0
Pennsylvania	1,343.9	1,373.8	40.8	37.0	0.0	0.0	891.2	886.5	578.0	591.8	0.0	0.0	2,853.9	2,889.1
East North Central	6,972.6	6,873.7	138.1	79.2	0.0	0.0	918.3	819.0	1,163.6	1,195.1	0.0	0.0	9,192.6	8,967.0
Illinois	3,525.1	3,520.1	31.6	31.6	0.0	0.0	34.1	34.1	127.4	131.9	0.0	0.0	3,718.2	3,717.7
Indiana	1,539.7	1,539.7	71.8	13.5	0.0	0.0	59.5	59.5	67.9	61.2	0.0	0.0	1,738.9	1,673.9
Michigan	1,155.1	975.1	0.0	0.0	0.0	0.0	330.3	237.0	437.8	462.5	0.0	0.0	1,923.2	1,674.6
Ohio	424.1	469.2	34.7	34.1	0.0	0.0	101.9	101.7	147.3	154.4	0.0	0.0	708.0	759.4
Wisconsin	328.6	369.6	0.0	0.0	0.0	0.0	392.5	386.7	383.2	385.1	0.0	0.0	1,104.3	1,141.4
West North Central	14,927.8	14,102.3	9.4	0.0	0.0	0.0	3,292.6	3,283.2	511.5	424.2	0.0	0.0	18,741.3	17,809.7
Iowa	5,047.0	5,005.0	0.0	0.0	0.0	0.0	144.9	147.8	20.4	14.6	0.0	0.0	5,212.3	5,167.4
Kansas	2,968.9	2,718.9	0.0	0.0	0.0	0.0	7.0	7.2	15.0	7.1	0.0	0.0	2,990.9	2,733.2
Minnesota	2,893.7	2,842.3	1.7	0.0	0.0	0.0	184.6	176.6	437.9	372.5	0.0	0.0	3,517.9	3,391.4
Missouri	458.5	458.5	7.7	0.0	0.0	0.0	570.3	570.3	12.7	9.3	0.0	0.0	1,049.2	1,038.1
Nebraska	810.0	530.2	0.0	0.0	0.0	0.0	277.8	275.3	15.7	10.9	0.0	0.0	1,103.5	816.4
North Dakota	1,959.2	1,756.9	0.0	0.0	0.0	0.0	510.0	508.0	9.8	9.8	0.0	0.0	2,479.0	2,274.7
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	692.5	347.1	0.0	0.0	7,193.2	7,176.2	3,902.7	3,751.6	0.0	0.0	12,493.7	11,980.2
Delaware	2.0	2.0	28.3	28.3	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	38.3	38.3
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	66.4	0.0	0.0	54.5	54.5	1,185.5	1,045.5	0.0	0.0	1,306.4	1,166.4
Georgia	0.0	0.0	61.1	3.2	0.0	0.0	2,044.9	2,047.9	707.6	741.8	0.0	0.0	2,813.6	2,792.9
Maryland	120.0	120.0	55.2	49.6	0.0	0.0	590.0	590.0	145.1	143.3	0.0	0.0	910.3	902.9
North Carolina	0.0	0.0	479.0	199.6	0.0	0.0	1,997.0	1,991.7	546.1	469.6	0.0	0.0	3,022.1	2,660.9
South Carolina	0.0	0.0	2.5	0.0	0.0	0.0	1,340.3	1,339.2	426.7	389.1	0.0	0.0	1,769.5	1,728.3
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.2	881.5	952.1	0.0	0.0	1,747.5	1,818.3
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	300.5	286.7	2.2	2.2	0.0	0.0	886.0	872.2
East South Central	29.1	29.1	29.4	12.8	0.0	0.0	6,721.4	6,719.9	1,165.1	1,179.8	0.0	0.0	7,945.0	7,941.6
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,272.2	3,272.2	617.4	676.7	0.0	0.0	3,889.6	3,948.9
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	833.1	831.6	70.3	69.1	0.0	0.0	903.4	900.7
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278.2	236.7	0.0	0.0	278.2	236.7
Tennessee	29.1	29.1	29.4	12.8	0.0	0.0	2,616.1	2,616.1	199.2	197.3	0.0	0.0	2,873.8	2,855.3
West South Central	16,359.9	15,311.8	169.9	75.2	0.0	0.0	3,062.2	3,083.2	1,327.5	1,223.0	0.0	0.0	20,919.5	19,693.2
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,324.2	1,340.7	308.4	325.8	0.0	0.0	1,632.6	1,666.5
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.9	379.5	0.0	0.0	642.9	571.5
Oklahoma	3,132.9	3,132.9	0.0	0.0	0.0	0.0	875.2	861.2	76.2	76.6	0.0	0.0	4,084.3	4,070.7
Texas	13,227.0	12,178.9	169.9	75.2	0.0	0.0	670.8	689.3	492.0	441.1	0.0	0.0	14,559.7	13,384.5
Mountain	7,049.8	6,787.9	1,864.4	1,406.9	363.9	319.5	10,564.0	10,552.7	184.8	163.7	486.9	432.2	20,513.8	19,662.9
Arizona	237.3	237.3	1,003.3	821.4	295.4	251.0	2,720.9	2,720.4	38.5	38.5	0.0	0.0	4,295.4	4,068.6
Colorado	2,537.5	2,300.9	120.2	117.6	0.0	0.0	679.5	661.9	27.4	13.0	0.0	0.0	3,364.6	3,093.4
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,708.1	2,703.4	94.3	86.8	10.0	10.0	3,775.1	3,762.9
Montana	632.1	627.8	0.0	0.0	0.0	0.0	2,758.1	2,770.2	3.0	3.8	0.0	0.0	3,393.2	3,401.8
Nevada	150.0	150.0	496.1	288.8	68.5	68.5	1,051.4	1,051.4	3.2	3.2	402.3	374.2	2,171.5	1,936.1
New Mexico	797.3	777.5	243.5	177.8	0.0	0.0	82.9	82.9	6.4	6.4	1.6	0.0	1,131.7	1,044.6
Utah	324.4	324.4	1.3	1.3	0.0	0.0	256.0	255.4	12.0	12.0	73.0	48.0	666.7	641.1
Wyoming	1,408.5	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,715.6	1,714.4
Pacific Contiguous	11,926.8	11,776.1	4,370.0	2,195.3	1,044.0	531.5	39,857.8	39,773.4	2,056.8	1,998.6	2,077.1	2,173.0	61,332.5	58,447.9
California	5,959.6	5,818.0	4,356.8	2,184.1	1,044.0	531.5	10,173.4	10,150.3	1,326.1	1,300.9	2,059.4	2,155.3	24,919.3	22,140.1
Oregon	3,160.9	3,151.9	12.7	10.7	0.0	0.0	8,515.7	8,454.7	327.5	315.0	17.7	17.7	12,034.5	11,950.0
Washington	2,806.3	2,806.2	0.5	0.5	0.0	0.0	21,168.7	21,168.4	403.2	382.7	0.0	0.0	24,378.7	24,357.8
Pacific Noncontiguous	265.6	263.2	32.2	13.2	0.0	0.0	440.6	440.6	256.6	256.6	43.0	43.0	1,038.0	1,016.6
Alaska	60.0	57.6	0.0	0.0	0.0	0.0	415.6	415.6	7.0	7.0	0.0	0.0	482.6	480.2
Hawaii	205.6	205.6	32.2	13.2	0.0	0.0	25.0	25.0	249.6	249.6	43.0	43.0	555.4	536.4
U.S. Total	62,136.2	59,652.1	7,983.1	4,522.0	1,407.9	851.0	79,229.5	79,009.6	13,411.1	12,915.2	2,607.0	2,648.2	166,774.8	159,598.1

Values 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

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, November 2014 and 2013 (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	
	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013	November 2014	November 2013
New England	11,720.9	12,194.9	1,111.3	1,227.1	872.3	858.0	2,089.3	2,547.1	0.0	0.0	7,021.5	7,560.3	0.0	0.0	22,815.3	24,387.4
Connecticut	2,504.6	2,511.7	482.2	595.2	63.3	61.2	383.4	383.4	0.0	0.0	2,825.9	2,830.3	0.0	0.0	6,259.4	6,381.8
Maine	1,250.0	1,250.0	297.2	306.0	119.0	119.0	85.0	85.0	0.0	0.0	912.1	1,004.9	0.0	0.0	2,663.3	2,764.9
Massachusetts	5,033.1	5,505.0	328.1	322.1	679.6	667.4	1,087.0	1,544.8	0.0	0.0	2,668.8	3,110.1	0.0	0.0	9,796.6	11,149.4
New Hampshire	1,201.0	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	2,236.7	2,238.7
Rhode Island	1,732.2	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	1,759.8	1,752.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	99.8	0.0	0.0	99.5	99.8
Middle Atlantic	22,426.7	22,478.6	8,764.8	8,767.0	10,144.4	8,766.3	18,600.8	19,512.7	11.6	11.6	8,510.6	9,599.2	100.4	100.4	68,559.3	69,235.8
New Jersey	5,852.0	5,870.3	4,066.8	4,093.7	670.4	642.9	1,875.8	2,006.6	11.6	11.6	1,112.8	1,302.3	0.0	0.0	13,589.4	13,927.4
New York	8,236.0	8,338.6	3,017.0	3,011.4	7,675.4	7,194.6	2,507.3	2,334.2	0.0	0.0	4,987.1	5,035.4	0.0	0.0	26,422.8	25,914.2
Pennsylvania	8,338.7	8,269.7	1,681.0	1,661.9	1,798.6	928.8	14,217.7	15,171.9	0.0	0.0	2,410.7	3,261.5	100.4	100.4	28,547.1	29,394.2
East North Central	16,274.9	16,838.4	25,813.7	25,731.8	3,535.0	3,432.5	71,183.8	73,005.2	570.1	570.1	2,922.4	3,191.9	941.3	906.1	121,241.2	123,676.0
Illinois	2,965.5	2,976.6	10,305.6	10,314.6	228.0	240.4	15,500.6	15,541.6	0.0	0.0	683.2	663.1	117.7	117.7	29,800.6	29,854.0
Indiana	2,471.2	2,451.9	3,119.6	3,172.6	8.7	6.5	18,648.2	18,686.0	274.0	274.0	268.4	456.4	606.5	571.3	25,396.6	25,618.7
Michigan	4,210.1	4,777.0	3,590.4	3,412.1	3,008.7	2,992.6	10,946.5	11,261.8	47.2	47.2	514.8	568.9	0.0	0.0	22,317.7	23,059.6
Ohio	3,965.2	3,963.8	5,426.7	5,443.1	131.4	57.4	18,092.8	19,204.5	142.0	142.0	858.9	894.9	217.1	217.1	28,834.1	29,922.8
Wisconsin	2,662.9	2,669.1	3,371.4	3,389.4	158.2	135.6	7,995.7	8,311.3	106.9	106.9	597.1	608.6	0.0	0.0	14,892.2	15,220.9
West North Central	5,681.6	5,724.1	11,452.4	11,281.8	3,286.1	3,257.3	37,703.0	37,790.8	32.0	32.0	4,112.4	4,105.3	8.4	8.4	62,275.9	62,199.7
Iowa	1,112.8	1,161.5	1,105.6	1,113.9	299.1	261.4	6,562.3	6,619.4	32.0	32.0	1,013.5	998.3	0.0	0.0	10,125.3	10,186.5
Kansas	0.0	0.0	2,350.7	2,377.8	2,104.2	2,043.0	5,150.1	5,223.0	0.0	0.0	542.3	541.3	0.0	0.0	10,147.3	10,185.1
Minnesota	2,109.2	2,107.2	2,580.4	2,558.4	231.2	278.7	4,822.3	4,696.5	0.0	0.0	806.2	804.0	0.0	0.0	10,549.3	10,444.8
Missouri	1,830.0	1,834.8	3,320.9	3,397.5	230.8	267.4	12,332.4	12,468.5	0.0	0.0	1,145.0	1,161.4	0.0	0.0	18,859.1	19,129.6
Nebraska	339.6	320.6	1,152.2	1,111.6	408.2	394.2	4,170.5	4,145.7	0.0	0.0	314.3	314.8	0.0	0.0	6,384.8	6,286.9
North Dakota	0.0	0.0	248.0	80.0	0.0	0.0	4,190.4	4,141.1	0.0	0.0	64.6	58.6	8.4	8.4	4,511.4	4,288.1
South Dakota	290.0	300.0	694.6	642.6	12.6	12.6	475.0	496.6	0.0	0.0	226.5	226.9	0.0	0.0	1,698.7	1,678.7
South Atlantic	46,196.5	45,426.2	31,698.3	31,540.5	4,672.3	4,033.7	64,053.6	65,329.3	669.8	633.8	14,139.9	15,216.5	265.0	135.0	161,695.4	162,315.0
Delaware	1,196.0	1,130.0	181.0	355.0	876.0	885.6	410.0	726.0	0.0	0.0	114.4	105.4	265.0	135.0	3,042.4	3,337.0
District of Columbia	0.0	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	10.0
Florida	25,879.9	25,157.6	8,405.4	7,958.9	2,647.3	2,186.5	10,117.0	10,276.0	586.0	550.0	6,701.9	7,702.8	0.0	0.0	54,337.5	53,831.8
Georgia	7,921.8	7,960.0	7,799.1	7,836.9	155.0	115.0	12,412.1	12,412.1	83.8	83.8	1,101.7	1,130.9	0.0	0.0	29,473.5	29,538.7
Maryland	230.0	230.0	1,475.4	1,507.8	325.8	335.5	4,757.0	4,757.0	0.0	0.0	2,809.9	2,807.6	0.0	0.0	9,598.1	9,637.9
North Carolina	4,706.6	4,697.6	6,035.7	6,068.2	0.0	74.0	10,794.8	10,841.8	0.0	0.0	402.4	425.6	0.0	0.0	21,939.5	22,107.2
South Carolina	2,416.0	2,281.7	2,841.2	2,852.2	110.8	110.8	5,745.5	6,225.5	0.0	0.0	661.4	664.5	0.0	0.0	11,774.9	12,134.7
Virginia	3,846.2	3,969.3	3,877.6	3,877.6	557.4	320.7	5,543.6	5,770.3	0.0	0.0	2,337.2	2,368.7	0.0	0.0	16,162.0	16,306.6
West Virginia	0.0	0.0	1,073.9	1,073.9	0.0	5.6	14,273.6	14,320.6	0.0	0.0	11.0	11.0	0.0	0.0	15,358.5	15,411.1
East South Central	18,338.7	17,804.9	12,829.5	12,865.8	2,725.5	2,865.5	36,315.0	37,122.2	0.0	0.0	205.1	197.1	99.8	99.8	70,513.6	70,955.3
Alabama	9,373.1	9,325.7	2,530.6	2,550.6	178.3	169.1	10,692.7	11,145.3	0.0	0.0	42.6	42.6	99.8	99.8	22,917.1	23,333.1
Kentucky	0.0	0.0	4,812.6	4,828.9	0.0	0.0	15,219.7	15,222.3	0.0	0.0	69.9	69.9	0.0	0.0	20,102.2	20,121.1
Mississippi	7,562.6	7,076.2	1,716.9	1,716.9	2,547.2	2,696.4	2,526.0	2,526.0	0.0	0.0	43.0	35.0	0.0	0.0	14,395.7	14,050.5
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	7,876.6	8,228.6	0.0	0.0	49.6	49.6	0.0	0.0	13,098.6	13,450.6
West South Central	57,970.9	56,455.9	12,299.6	12,135.5	37,620.5	37,476.0	37,956.7	37,934.3	984.2	1,409.8	198.8	195.9	339.9	379.9	147,370.6	145,987.3
Arkansas	4,630.5	4,660.5	727.6	757.1	813.7	1,280.0	5,122.3	5,144.0	0.0	0.0	12.2	17.2	0.0	0.0	11,306.3	11,858.8
Louisiana	7,053.4	7,324.2	2,640.4	2,406.2	9,068.5	8,434.2	3,437.8	3,427.0	973.6	975.0	49.3	46.9	34.3	34.3	23,257.3	22,647.8
Oklahoma	7,097.5	7,512.5	1,189.9	1,191.9	5,297.0	5,092.5	5,305.1	5,294.4	0.0	0.0	74.4	69.3	0.0	0.0	18,963.9	19,160.6
Texas	39,189.5	36,958.7	7,741.7	7,780.3	22,441.3	22,669.3	24,091.5	24,068.9	10.6	434.8	62.9	62.5	305.6	345.6	93,843.1	92,320.1
Mountain	21,902.5	21,672.5	8,909.8	8,872.1	3,392.0	3,336.6	30,096.0	30,756.4	52.0	52.0	327.3	348.2	94.9	94.9	64,774.5	65,132.7
Arizona	9,806.4	10,418.2	2,367.6	2,353.6	1,177.6	1,106.6	6,150.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	19,592.1	20,125.9
Colorado	2,731.7	2,733.2	2,539.3	2,545.5	349.0	386.0	5,406.8	5,482.3	0.0	0.0	168.4	177.9	0.0	0.0	11,195.2	11,324.9
Idaho	567.5	567.5	543.0	543.0	4.3	0.0	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,137.4	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	0.0	2.0	1.5	1.5	2,911.7	2,913.7
Nevada	5,410.5	5,287.2	1,385.6	1,380.6	587.1	587.1	1,295.4	1,293.4	0.0	0.0	6.0	11.4	0.0	0.0	8,684.6	8,559.7
New Mexico	1,456.4	1,465.4	1,035.4	1,036.1	888.7	896.0	3,471.0	4,031.0	0.0	0.0	23.4	27.4	0.0	0.0	6,874.9	7,455.9
Utah	1,830.0	1,201.0	520.2	534.6	325.3	300.9	4,926.0	4,901.0	0.0	0.0	27.8	27.8	0.0	0.0	7,629.3	6,965.3
Wyoming	100.0	0.0	156.6	116.6	6.0	6.0	6,387.5	6,432.4	0.0	0.0	5.8	5.8	93.4	93.4	6,749.3	6,654.2
Pacific Contiguous	25,609.0	25,706.2	11,392.2	11,544.9	12,542.7	13,550.2	2,144.8	2,231.5	0.0	0.0	448.3	413.1	211.7	211.1	52,348.7	53,657.0
California	19,924.0	19,762.1	10,617.2	10,709.9	12,515.1	13,522.6	219.8	306.5	0.0	0.0	433.1	397.9	211.7	211.1	43,920.9	44,910.1
Oregon	2,916.1	2,878.4	133.8	133.8	0.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,634.9	3,597.2
Washington	2,768.9	3,065.7	641.2	701.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,792.9	5,149.7
Pacific Noncontiguous	605.2	577.0	520.2	472.1	13.8	15.0	290.5	290.5	0.0	0.0	2,556.0	2,653.3	6.4	6.0	3,992.1	4,013.9
Alaska	605.2	577.0	520.2	472.1	13.8	15.0	110.5	110.5	0.0	0.0	671.4	674.1	0.0	0.0	1,921.1	1,848.7
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,884.6	1,979.2	6.4	6.0	2,071.0	2,165.2
U.S. Total	226,726.9	224,878.7	124,791.8	124,438.6	78,804.6	77,591.1	300,433.5	306,520.0	2,319.7	2,709.3	40,442.3	43,480.8	2,067.8	1,941.6	775,586.6	781,560.1

Values 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.

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

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	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	02	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	5109	DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN1	60.8	Onshore Wind Turbine	WND	WT
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	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	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	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	57313	SolarCity Corporation	IPP	Oregon University System OIT Klamath Falls	OR	58961	PV	2.0	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	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	57081	Washington Gas Energy Systems, Inc.	IPP	Maynard PV	MA	58412	SO026	1.0	Solar Photovoltaic	SUN	PV
2014	1	20323	Wellhead Services Inc	IPP	Escondido Power Plant	CA	55538	CTG1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	2	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG1	2.1	Landfill Gas	LFG	IC
2014	2	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG2	2.1	Landfill Gas	LFG	IC
2014	2	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG1	2.1	Landfill Gas	LFG	IC
2014	2	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG2	2.1	Landfill Gas	LFG	IC
2014	2	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
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	58135	Ecos Energy LLC	IPP	Bear Creek Solar	CA	58508	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	2	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU3	110.0	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	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	1	1.0	Solar Photovoltaic	SUN	PV
2014	2	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	2	1.0	Solar Photovoltaic	SUN	PV
2014	2	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	3	1.5	Solar Photovoltaic	SUN	PV
2014	2	58568	Westlands Solar Farms, LLC	IPP	Westlands Solar PV Farm	CA	58616	WSF1	18.0	Solar Photovoltaic	SUN	PV
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	1	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	2	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	3	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	4	0.5	Petroleum Liquids	JF	IC
2014	3	58462	Battery Utility of Ohio LLC	IPP	Battery Utility of Ohio	OH	58475	BOU	4.0	Batteries	MWH	BA
2014	3	58839	Central Valley Ag Power LLC	IPP	Central Valley Ag Power	CA	58978	CVAP	1.5	Other Waste Biomass	OBG	IC
2014	3	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN01	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	3	58596	Hanwha Q CELLS USA	IPP	Maywood Photovoltaic Project	IN	58770	1	8.0	Solar Photovoltaic	SUN	PV
2014	3	58696	Ignite Solar Holdings LLC		Shasta Solar Farm	CA	58814	GENA	1.5	Solar Photovoltaic	SUN	PV
2014	3	58696	Ignite Solar Holdings LLC		Shasta Solar Farm	CA	58814	GENB	1.5	Solar Photovoltaic	SUN	PV
2014	3	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1B	34.3	Solar Photovoltaic	SUN	PV
2014	3	58710	Lakeswind Power Partners		Lakeswind Power Partners	MN	58836	LW1	50.0	Onshore Wind Turbine	WND	WT
2014	3	58822	MC Power Companies Inc	IPP	Butler Solar Power Project	MO	58959	BSF1	2.8	Solar Photovoltaic	SUN	PV
2014	3	12286	Melrose Public Utilities		Melrose 2	MN	58929	1	1.0	Petroleum Liquids	DFO	IC
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	AVS1	38.0	Solar Photovoltaic	SUN	PV
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	AVS2	19.0	Solar Photovoltaic	SUN	PV
2014	3	58489	OCI Solar Power	IPP	OCI Alamo 2, LLC	TX	58716	1	4.4	Solar Photovoltaic	SUN	PV
2014	3	50102	Rock-Tenn Company	Industrial	Rock-Tenn Mill	AL	54763	4TG	30.0	Wood/Wood Waste Biomass	BLQ	ST
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	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG1	2.1	Landfill Gas	LFG	IC
2014	4	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG2	2.1	Landfill Gas	LFG	IC
2014	4	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE5	18.6	Solar Photovoltaic	SUN	PV
2014	4	58789	DOD USMC Marine Air Ground Combat	IPP	MCAGCC Cogen Plant 2	CA	58916	CG100	4.6	Natural Gas Fired Combustion Turbine	NG	GT
2014	4	58789	DOD USMC Marine Air Ground Combat	IPP	MCAGCC Cogen Plant 2	CA	58916	CG200	2.5	Natural Gas Fired Combustion Turbine	NG	GT
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	DSL14	26.5	Solar Photovoltaic	SUN	PV
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5A	1,212.0	Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5B		Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5C		Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5ST		Natural Gas Fired Combined Cycle	NG	CA
2014	4	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	4	58598	Mass Solar, LLC	IPP	Dartmouth	MA	58682	PV1	6.3	Solar Photovoltaic	SUN	PV
2014	4	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS16	62.9	Solar Photovoltaic	SUN	PV
2014	4	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS25	52.0	Solar Photovoltaic	SUN	PV
2014	4	58256	Millbury Solar LLC	IPP	Millbury Solar	MA	58280	1	3.0	Solar Photovoltaic	SUN	PV
2014	4	58325	New Bern Farm LLC	IPP	New Bern Farm	NC	58339	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58654	Orion Solar I LLC	IPP	Orion Solar I	CA	58718	PV1	12.0	Solar Photovoltaic	SUN	PV
2014	4	58791	Pristine Sun LLC	IPP	2097 Helton Solar Project	CA	58920	2097	1.5	Solar Photovoltaic	SUN	PV
2014	4	58791	Pristine Sun LLC	IPP	2127 Harris Solar Project	CA	58919	2127	1.3	Solar Photovoltaic	SUN	PV
2014	4	58808	Rockville Solar I LLC	IPP	Rockville Solar I LLC	IN	58942	RVSI	2.8	Solar Photovoltaic	SUN	PV
2014	4	58326	Roxboro Farm LLC	IPP	Roxboro Farm	NC	58340	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	320	1.0	Landfill Gas	LFG	IC
2014	4	58771	Tri-County Water Conservancy District	IPP	Tri-County Water Hydropower Project	CO	58901	TCWG1	7.2	Conventional Hydroelectric	WAT	HY
2014	4	58771	Tri-County Water Conservancy District	IPP	Tri-County Water Hydropower Project	CO	58901	TCWG2	0.0	Conventional Hydroelectric	WAT	HY
2014	4	58521	University of Wisconsin Oshkosh Foundation	IPP	Oshkosh Foundation Rosedale Biodigester LLC	WI	58555	95100	1.4	Other Waste Biomass	OBG	IC
2014	4	58802	Walpole Solar 2, LLC	IPP	Walpole Solar 2	MA	58936	WLPL1	2.4	Solar Photovoltaic	SUN	PV
2014	5	56979	Adobe Solar LLC	IPP	FRV Cygnus Solar Project	CA	57651	FRV3	20.0	Solar Photovoltaic	SUN	PV
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-1	0.6	Other Waste Biomass	OBG	IC
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-2	0.6	Other Waste Biomass	OBG	IC
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-3	0.6	Other Waste Biomass	OBG	IC
2014	5	221	Alaska Village Elec Coop, Inc	Electric Utility	Togiak	AK	6348	5A	0.8	Petroleum Liquids	DFO	IC
2014	5	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE6	25.6	Solar Photovoltaic	SUN	PV
2014	5	57365	Consolidated Edison Solutions Inc	IPP	Tihonet Solar	MA	58749	TSMA	1.0	Solar Photovoltaic	SUN	PV
2014	5	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	1	26.0	Solar Photovoltaic	SUN	PV
2014	5	58827	Fairfield Wind Master Tenant LLC	IPP	Fairfield Wind	MT	58966	T 1-6	10.0	Onshore Wind Turbine	WND	WT
2014	5	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	2	1.2	Conventional Hydroelectric	WAT	HY
2014	5	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	3	1.2	Conventional Hydroelectric	WAT	HY
2014	5	58803	Gardner Solar 1, LLC	IPP	Gardner Solar 1	MA	58937	GRDN1	2.0	Solar Photovoltaic	SUN	PV
2014	5	58465	Green States Energy, Inc.	IPP	HOW GM1	MA	58097	1	3.5	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

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	5	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2014	5	49893	Invenergy Services LLC	IPP	Prairie Breeze	NE	58322	1	206.5	Onshore Wind Turbine	WND	WT
2014	5	58681	MSM Solar LLC	IPP	Storrie Lake Solar Project	NM	58794	MSMPV	1.5	Solar Photovoltaic	SUN	PV
2014	5	58255	Mass Midstate Solar 1 LLC	IPP	Mass Midstate Solar 1	MA	58279	1	5.0	Solar Photovoltaic	SUN	PV
2014	5	58252	Mass Midstate Solar 2 LLC	IPP	Mass Midstate Solar 2	MA	58276	1	5.0	Solar Photovoltaic	SUN	PV
2014	5	58251	Mass Midstate Solar 3 LLC	IPP	Mass Midstate Solar 3	MA	58275	1	4.0	Solar Photovoltaic	SUN	PV
2014	5	34691	Ormat Nevada Inc	IPP	Heber Solar	CA	58398	1	10.0	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	IPP	Expressway Solar A	CA	58761	EXSA	2.0	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Expressway Solar B	CA	58762	EXSB	2.0	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Rodeo Solar C2	CA	58751	RSC2	1.5	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Rodeo Solar D2	CA	58752	RSD2	1.5	Solar Photovoltaic	SUN	PV
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	58879	651 Chase Solar NG LLC	IPP	651 Chase Solar NG	MA	59046	PV1	1.0	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV1	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV2	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV3	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV4	0.5	Solar Photovoltaic	SUN	PV
2014	6	58567	Blue Renewable Energy IMS, LLC	IPP	Indianapolis Motor Speedway Solar PV	IN	58615	IMS	9.0	Solar Photovoltaic	SUN	PV
2014	6	58894	CF CVEC Owner One LLC	IPP	Katama Farm	MA	59079	KAT1	1.0	Solar Photovoltaic	SUN	PV
2014	6	58894	CF CVEC Owner One LLC	IPP	Nunnepog	MA	59080	NUN1	1.0	Solar Photovoltaic	SUN	PV
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	58906	Chauncey Farm	IPP	Chauncey Farm LLC	NC	59100	1	4.9	Solar Photovoltaic	SUN	PV
2014	6	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	2	27.0	Solar Photovoltaic	SUN	PV
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
2014	6	5906	EDF Renewable Services Inc	IPP	Lepomis PV Energy LLC	MA	59085	INV-1	4.5	Solar Photovoltaic	SUN	PV
2014	6	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2014	6	58837	Fairview Farms Solar LLC	IPP	Fairview Farms Solar	MA	58974	PV1	0.8	Solar Photovoltaic	SUN	PV
2014	6	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	1	1.2	Conventional Hydroelectric	WAT	HY
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL15	13.9	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL18	29.0	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL5	25.2	Solar Photovoltaic	SUN	PV
2014	6	58812	GLT Cloverdale Solar LLC	IPP	Cloverdale Solar I	CA	58949	TBD	1.5	Solar Photovoltaic	SUN	PV
2014	6	58598	Mass Solar, LLC	IPP	North Brookfield	MA	58650	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	6	58322	Mile Farm LLC	IPP	Mile Farm	NC	58336	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	56990	NJR Clean Energy Ventures Corporation	IPP	Two Dot Wind Farm	MT	59003	1	9.7	Onshore Wind Turbine	WND	WT
2014	6	58518	NRG Solar Community 1 LLC	IPP	Community Solar 1	CA	58545	1	5.7	Solar Photovoltaic	SUN	PV
2014	6	58655	Orion Solar II, LLC	IPP	Orion Solar II	CA	58721	ORION	8.0	Solar Photovoltaic	SUN	PV
2014	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10A	122.0	Conventional Hydroelectric	WAT	HY
2014	6	58388	Pantex (NNSA)	Commercial	Pantex	TX	58404	1	11.5	Onshore Wind Turbine	WND	WT
2014	6	58738	Sigmon Catawba Farm LLC	IPP	Sigmon Catawba Farm	NC	58861	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar A2	CA	58753	SSA2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar B2	CA	58754	SSB2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar C2	CA	58755	SSC2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58996	Soluga Farms 1 LLC	IPP	Soluga Farms 1	NC	59191	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58916	Springfield Solar 1 LLC	IPP	Springfield Solar 1 LLC	MO	59110	1	4.9	Solar Photovoltaic	SUN	PV
2014	6	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	420	1.4	Landfill Gas	LFG	IC
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	7	58748	Clean Energy LLC	Electric CHP	Reventure Park	NC	58865	LFG	1.9	Landfill Gas	LFG	IC
2014	7	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	3	26.0	Solar Photovoltaic	SUN	PV
2014	7	5906	EDF Renewable Services Inc	IPP	EDF Lancaster	MA	59140	INV-1	4.5	Solar Photovoltaic	SUN	PV
2014	7	5906	EDF Renewable Services Inc	IPP	Spinning Spur Wind II	TX	58774	GEN1	161.0	Onshore Wind Turbine	WND	WT
2014	7	361	Industrial Energy Applications Inc	IPP	Alliant SBD 9201 Norplex	IA	54712	0002	1.0	Petroleum Liquids	DFO	IC
2014	7	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS21	59.0	Solar Photovoltaic	SUN	PV
2014	7	56990	NJR Clean Energy Ventures Corporation	IPP	West Pemberton	NJ	59186	PV1	7.0	Solar Photovoltaic	SUN	PV
2014	7	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind LLC	TX	58242	1	218.0	Onshore Wind Turbine	WND	WT
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV1	1.5	Solar Photovoltaic	SUN	PV
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV2	1.5	Solar Photovoltaic	SUN	PV
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	7	59004	Sequoia PV 3 LLC	IPP	Porterville 6 and 7	CA	59219	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	7	59004	Sequoia PV 3 LLC	IPP	Porterville 6 and 7	CA	59219	PV2	3.0	Solar Photovoltaic	SUN	PV
2014	7	58579	Silverado Power	IPP	Summer Solar D2	CA	58756	SSD2	1.0	Solar Photovoltaic	SUN	PV
2014	7	58915	Spicewood Solar Farm LLC	IPP	Spicewood Solar Farm LLC	NC	59109	1	5.0	Solar Photovoltaic	SUN	PV
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC1	3.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC2	3.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC3	4.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC4	4.0	Petroleum Liquids	DFO	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	1	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	2	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	3	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	4	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	5	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	6	1.6	Landfill Gas	LFG	IC
2014	7	58705	Washington Gas Energy Systems	IPP	Cogenra - TEP	AZ	58832	CTEP	1.0	Solar Photovoltaic	SUN	PV
2014	8	58989		IPP	Hesperia	CA	59182	10-94	1.5	Solar Photovoltaic	SUN	PV
2014	8	58894	CF CVEC Owner One LLC	IPP	Harwich Landfill	MA	59078	HAR1	4.0	Solar Photovoltaic	SUN	PV
2014	8	58540	California PV Energy LLC	IPP	California PV Energy at ISD WWTP	CA	59283	W4236	1.0	Solar Photovoltaic	SUN	PV
2014	8	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	4	28.0	Solar Photovoltaic	SUN	PV
2014	8	56615	First Solar Energy LLC	IPP	AV Solar Ranch One	CA	57378	AVSR	230.0	Solar Photovoltaic	SUN	PV
2014	8	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL6	25.2	Solar Photovoltaic	SUN	PV
2014	8	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL7	20.2	Solar Photovoltaic	SUN	PV
2014	8	49893	Invenergy Services LLC	IPP	Miami Wind Energy Center	TX	58765	1	288.6	Onshore Wind Turbine	WND	WT
2014	8	10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koloa Solar	HI	58640	KOLPV	12.0	Solar Photovoltaic	SUN	PV
2014	8	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	STG	186.0	Natural Gas Fired Combined Cycle	NG	CA
2014	8	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1A	201.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1B	201.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1C	294.4	Natural Gas Fired Combined Cycle	NG	CA
2014	8	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	3	88.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	8	58730	Nash 64 Farm LLC	IPP	Nash 64 Farm	NC	58855	1	5.0	Solar Photovoltaic	SUN	PV
2014	8	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	8	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	8	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	8	58817	Rockville Solar II, LLC	IPP	Rockville Solar II, LLC	IN	58953	RVSII	2.7	Solar Photovoltaic	SUN	PV
2014	8	59104	Sequoia PV 2, LLC	IPP	Hanford 1 and 2	CA	59300	HAN1	1.5	Solar Photovoltaic	SUN	PV
2014	8	59104	Sequoia PV 2, LLC	IPP	Hanford 1 and 2	CA	59300	HAN2	1.5	Solar Photovoltaic	SUN	PV
2014	8	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	1	4.0	Landfill Gas	LFG	GT
2014	8	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	2	4.0	Landfill Gas	LFG	GT
2014	8	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	3	4.0	Landfill Gas	LFG	GT
2014	8	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	4	4.0	Landfill Gas	LFG	GT
2014	8	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	5	4.0	Landfill Gas	LFG	GT
2014	8	58995	Vickers Farm LLC	IPP	Vickers	NC	59190	1	2.0	Solar Photovoltaic	SUN	PV
2014	8	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN10	1.6	Landfill Gas	LFG	IC
2014	8	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN11	1.6	Landfill Gas	LFG	IC

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

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	8	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN12	1.6	Landfill Gas	LFG	IC
2014	8	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN9	1.6	Landfill Gas	LFG	IC
2014	8	57081	Washington Gas Energy Systems, Inc.	IPP	Sacramento (SMUD)	CA	59323	SMUPV	1.5	Solar Photovoltaic	SUN	PV
2014	9	56702	510 REPP One LLC	IPP	510 REPP One	NC	57363	1	1.3	Solar Photovoltaic	SUN	PV
2014	9	59174	CD US Solar MT3, LLC	IPP	Shaffer	MA	59396	SHF01	5.0	Solar Photovoltaic	SUN	PV
2014	9	58894	CF CVEC Owner One LLC	IPP	Barnstable Landfill	MA	59081	HAR1	4.0	Solar Photovoltaic	SUN	PV
2014	9	58894	CF CVEC Owner One LLC	IPP	Brewster Landfill	MA	59075	BRE1	1.0	Solar Photovoltaic	SUN	PV
2014	9	58894	CF CVEC Owner One LLC	IPP	Chatham Landfill	MA	59077	CHA	1.5	Solar Photovoltaic	SUN	PV
2014	9	58894	CF CVEC Owner One LLC	IPP	Dennis Landfill	MA	59082	DEN1	5.0	Solar Photovoltaic	SUN	PV
2014	9	56769	Consolidated Edison Development Inc.	IPP	White River Solar 2	CA	58973	W2CA	19.8	Solar Photovoltaic	SUN	PV
2014	9	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	5	25.0	Solar Photovoltaic	SUN	PV
2014	9	58740	Erwin Farm LLC	IPP	Erwin Farm	NC	58859	1	5.0	Solar Photovoltaic	SUN	PV
2014	9	56990	NJR Clean Energy Ventures Corporation	IPP	Jacobstown	NJ	59185	PV1	5.0	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	58477	O2energies, Inc.	IPP	Biscoe Solar LLC	NC	58667	BISCO	5.0	Solar Photovoltaic	SUN	PV
2014	9	58477	O2energies, Inc.	IPP	Selma Solar LLC	NC	58669	SELMA	5.0	Solar Photovoltaic	SUN	PV
2014	9	58477	O2energies, Inc.	IPP	Turkey Branch Solar LLC	NC	58670	TURKY	5.0	Solar Photovoltaic	SUN	PV
2014	9	58726	Oakboro Farm LLC	IPP	Oakboro Farm	NC	58851	1	5.0	Solar Photovoltaic	SUN	PV
2014	9	58997	Soluga Farms 2 LLC	IPP	Soluga Farms 2 LLC	NC	59192	1	5.0	Solar Photovoltaic	SUN	PV
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	01	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	02	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	03	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	04	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	05	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	06	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	07	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	08	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	09	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	10	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	11	9.0	Other Natural Gas	NG	IC
2014	9	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	12	9.0	Other Natural Gas	NG	IC
2014	9	58825	WE 90 Technology Drive LLC	IPP	Technology Drive Solar	VT	58964	PV1	2.0	Solar Photovoltaic	SUN	PV
2014	10	58926	Anderson Farm LLC	IPP	Anderson Farm LLC	NC	59115	1	1.9	Solar Photovoltaic	SUN	PV
2014	10	803	Arizona Public Service Co	Electric Utility	Gila Bend	AZ	59020	PV1	32.0	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	Natural Gas Fired Combined Cycle	NG	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	58841	Broken Bow Wind II, LLC	IPP	Broken Bow Wind II, LLC	NE	58981	BBII	73.1	Onshore Wind Turbine	WND	WT
2014	10	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	6	26.0	Solar Photovoltaic	SUN	PV
2014	10	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	7	26.0	Solar Photovoltaic	SUN	PV
2014	10	58908	Dragstrip Farm LLC	IPP	Dragstrip Farm	NC	59102	1	5.0	Solar Photovoltaic	SUN	PV
2014	10	58883	ERWR Whitcomb Farm Solar LLC	IPP	Whitcomb Solar Farm	VT	59049	PS01	2.2	Solar Photovoltaic	SUN	PV
2014	10	39347	East Texas Electric Coop, Inc	Electric Utility	Woodville Renewable Power Project	TX	58944	G1	46.5	Wood/Wood Waste Biomass	WDS	ST
2014	10	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL19	25.2	Solar Photovoltaic	SUN	PV
2014	10	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL8	18.9	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	49893	Invenergy Services LLC	IPP	Spring Canyon II Wind Energy Center	CO	58769	1	34.0	Onshore Wind Turbine	WND	WT
2014	10	11208	Los Angeles Department of Water & Power	Commercial	VA Sepulveda Ambulatory Care Center	CA	58249	GEN1	3.5	Solar Photovoltaic	SUN	PV
2014	10	58911	Market Farm LLC	IPP	Market Farm	NC	59105	1	4.9	Solar Photovoltaic	SUN	PV
2014	10	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS13	57.0	Solar Photovoltaic	SUN	PV
2014	10	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS15	14.6	Solar Photovoltaic	SUN	PV
2014	10	59139	SunEdison LLC	IPP	SCE-Snowline-Duncan Road (North)	CA	59359	10400	1.5	Solar Photovoltaic	SUN	PV
2014	10	59139	SunEdison LLC	IPP	SCE-Snowline-Duncan Road (South)	CA	59360	11113	1.0	Solar Photovoltaic	SUN	PV
2014	10	58494	WSACC	IPP	WSACC Power Generation Facility	NC	58518	1	0.8	Other Waste Biomass	SLW	ST
2014	10	59044	Windthorst-2 LLC	IPP	Windthorst-2	TX	59238	WND2	67.6	Onshore Wind Turbine	WND	WT
2014	11	59205	Baker Station Associates, LP	IPP	Baker Creek Hydroelectric	CA	59428	GENE1		Conventional Hydroelectric	WAT	HY
2014	11	59205	Baker Station Associates, LP	IPP	Baker Creek Hydroelectric	CA	59428	GENE2	0.0	Conventional Hydroelectric	WAT	HY
2014	11	58712	Bethel Price Solar, LLC	IPP	Bethel Price Solar, LLC	NC	58843	1	5.0	Solar Photovoltaic	SUN	PV
2014	11	58976	Clenera Renewable Energy LLC	IPP	Lancaster Solar 1	CA	59167	LS1	1.5	Solar Photovoltaic	SUN	PV
2014	11	58976	Clenera Renewable Energy LLC	IPP	Lancaster Solar 2	CA	59169	LS2	1.5	Solar Photovoltaic	SUN	PV
2014	11	59163	DESRI V LA County Solar, LLC	IPP	Capeline Solar	CA	59400	CAP1	0.9	Solar Photovoltaic	SUN	PV
2014	11	59163	DESRI V LA County Solar, LLC	IPP	Layline Solar	CA	59401	LAY1	0.8	Solar Photovoltaic	SUN	PV
2014	11	59163	DESRI V LA County Solar, LLC	IPP	Van Nuys Solar	CA	59402	VAN1	0.7	Solar Photovoltaic	SUN	PV
2014	11	58816	Dessie Solar Center LLC	IPP	Dessie Solar Center LLC	NC	58952	DESS	4.8	Solar Photovoltaic	SUN	PV
2014	11	58713	Dogwood Solar, LLC	IPP	Dogwood Solar, LLC	NC	58844	1	20.0	Solar Photovoltaic	SUN	PV
2014	11	58468	Dominion Renewable Energy	IPP	Selmer Farm LLC	TN	59188	PV1	15.8	Solar Photovoltaic	SUN	PV
2014	11	49932	Enel North America, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT
2014	11	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ALHM	51.7	Solar Photovoltaic	SUN	PV
2014	11	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ARK	51.7	Solar Photovoltaic	SUN	PV
2014	11	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	SONR	51.7	Solar Photovoltaic	SUN	PV
2014	11	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ4	71.8	Solar Photovoltaic	SUN	PV
2014	11	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ5	166.0	Solar Photovoltaic	SUN	PV
2014	11	59129	Foundation CA Fund VII Manager, LLC	Industrial	Anheuser-Busch #2	CA	59331	ANB2	1.6	Onshore Wind Turbine	WND	WT
2014	11	59129	Foundation CA Fund VII Manager, LLC	IPP	City of Soledad Water Reclamation Facility	CA	59329	SOL1	1.0	Onshore Wind Turbine	WND	WT
2014	11	59129	Foundation CA Fund VII Manager, LLC	IPP	Taylor Farms	CA	59330	TAY1	1.0	Onshore Wind Turbine	WND	WT
2014	11	7570	Great River Energy	Electric Utility	Spiritwood Station	ND	56786	1	62.0	Conventional Steam Coal	LIG	ST
2014	11	49893	Invenergy Services LLC	IPP	Marsh Hill Wind Farm	NY	58768	1	16.2	Onshore Wind Turbine	WND	WT
2014	11	58975	Jakana Solar	IPP	Jakana Solar	NC	59170	5MWPV	5.0	Solar Photovoltaic	SUN	PV
2014	11	59195	Landfill Energy Systems	IPP	Zimmerman Energy	IN	59425	ZE-#1	1.9	Landfill Gas	LFG	IC
2014	11	59195	Landfill Energy Systems	IPP	Zimmerman Energy	IN	59425	ZE-#2	1.9	Landfill Gas	LFG	IC
2014	11	59195	Landfill Energy Systems	IPP	Zimmerman Energy	IN	59425	ZE-#3	1.9	Landfill Gas	LFG	IC
2014	11	57503	Limon	IPP	Limon III Wind LLC	CO	59083	WT1	200.6	Onshore Wind Turbine	WND	WT
2014	11	58413	Lone Valley Solar Park I LLC	IPP	Lone Valley Solar Park I LLC	CA	58417	CP1	10.0	Solar Photovoltaic	SUN	PV
2014	11	59041	Lone Valley Solar Park II LLC	IPP	Lone Valley Solar Park II LLC	CA	59237	CPII	20.0	Solar Photovoltaic	SUN	PV
2014	11	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Plt	FL	54624	3A	2.0	Other Waste Biomass	OBG	IC
2014	11	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Plt	FL	54624	4A	2.0	Other Waste Biomass	OBG	IC
2014	11	56990	NJR Clean Energy Ventures Corporation	IPP	Rock Solid	NJ	59319	ROCK1	8.0	Solar Photovoltaic	SUN	PV
2014	11	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind 2 LLC	TX	58720	1	181.7	Onshore Wind Turbine	WND	WT
2014	11	56980	Regulus Solar, LLC	IPP	Regulus Solar Project	CA	57650	FRV4	60.0	Solar Photovoltaic	SUN	PV
2014	11	58579	Silverado Power	IPP	Expressway Solar C2	CA	58763	EXSC2	1.5	Solar Photovoltaic	SUN	PV
2014	11	58579	Silverado Power	IPP	Lancaster Dry Farm Ranch B	CA	58750	LDFRB	5.0	Solar Photovoltaic	SUN	PV
2014	11	58579	Silverado Power	IPP	Western Antelope Blue Sky Ranch A	CA	58626	WABSA	20.0	Solar Photovoltaic	SUN	PV
2014	11	57331	Soitec Solar Development LLC	IPP	Desert Green Solar Farm LLC	CA	57959	1	6.3	Solar Photovoltaic	SUN	PV
2014	11	59139	SunEdison LLC	IPP	SCE-Snowline-White Rd (Central)	CA	59423	10402	1.5	Solar Photovoltaic	SUN	PV
2014	11	59139	SunEdison LLC	IPP	SCE-Snowline-White Road (North)	CA	59422	10401	1.5	Solar Photovoltaic	SUN	PV
2014	11	59139	SunEdison LLC	IPP	SCE-Snowline-White Road (South)	CA	59421	11111	1.5	Solar Photovoltaic	SUN	PV
2014	11	59122	The Medical Center Company	IPP	MCCo Solar Generating Facility	OH	59324	MCCO1	0.6	Solar Photovoltaic	SUN	PV
2014	11	58661	sPower	IPP	Victor Mesa Linda B2	CA	59269	VMLB2	1.5	Solar Photovoltaic	SUN	PV
2014	11	58661	sPower	IPP	Victor Mesa Linda C2	CA	59270	VMLC2	1.5	Solar Photovoltaic	SUN	PV
2014	11	58661	sPower	IPP	Victor Mesa Linda D2	CA	59271	VMLD2	1.5	Solar Photovoltaic	SUN	PV
2014	11	58661	sPower	IPP	Victor Mesa Linda E2	CA	59272	VMLE2	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.

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

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	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	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT1	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT2	0.4	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT3	0.3	Petroleum Liquids	JF	IC
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	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	1	12.0	Conventional Hydroelectric	WAT	HY
2014	3	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	2	12.0	Conventional Hydroelectric	WAT	HY
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	5	9384	International Paper Co-Courtld	Industrial	International Paper Courtland Mill	AL	50245	ABB	62.0	Wood/Wood Waste Biomass	BLQ	ST
2014	5	9384	International Paper Co-Courtld	Industrial	International Paper Courtland Mill	AL	50245	GE	27.0	Wood/Wood Waste Biomass	BLQ	ST
2014	5	58793	Missouri University of Science and Technology	IPP	Missouri S&T - Power Plant	MO	58923	1000	1.0	Petroleum Liquids	DFO	IC
2014	5	58793	Missouri University of Science and Technology	IPP	Missouri S&T - Power Plant	MO	58923	500K	0.2	Conventional Steam Coal	BIT	ST
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	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	91	46.6	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	92	47.3	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	93	46.8	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	94	46.0	Petroleum Liquids	DFO	GT
2014	7	18587	Sierra Power Corp	Industrial	Sierra Power	CA	50068	WEST	0.0	Wood/Wood Waste Biomass	WDS	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	1	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	2	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	4	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	6	111.0	Conventional Steam Coal	BIT	ST
2014	8	34362	Delaware Mountain LP	IPP	Delaware Mountain Windfarm	TX	55399	01	23.3	Onshore Wind Turbine	WND	WT
2014	8	55793	Fusion Paperboard Connecticut LLC	Industrial	Versailles Mill	CT	54657	NO1	14.0	Other Natural Gas	NG	ST
2014	8	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	9	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9	103.8	Conventional Hydroelectric	WAT	HY
2014	9	56207	Ausra CA I LLC	IPP	Ausra Kimberlina Solar Generation	CA	56943	1	3.5	Solar Thermal without Energy Storage	SUN	ST
2014	9	4716	Dairyland Power Coop	Electric Utility	Alma	WI	4140	4	40.4	Conventional Steam Coal	BIT	ST
2014	9	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	5	238.0	Conventional Steam Coal	BIT	ST
2014	9	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	6	414.0	Conventional Steam Coal	BIT	ST
2014	9	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	7	38.0	Conventional Steam Coal	SUB	ST
2014	9	58185	FirstLight Power Resources, Inc. - MA	IPP	Mount Tom	MA	1606	1	143.6	Conventional Steam Coal	BIT	ST
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	1	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	2	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	3	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	4	1.3	Petroleum Liquids	DFO	IC
2014	10	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	45	0.3	Other Natural Gas	NG	FC
2014	10	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	47	0.3	Other Natural Gas	NG	FC
2014	10	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	50	0.3	Other Natural Gas	NG	FC
2014	10	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	51	0.3	Other Natural Gas	NG	FC
2014	10	4716	Dairyland Power Coop	Electric Utility	Alma	WI	4140	5	62.1	Conventional Steam Coal	BIT	ST
2014	10	55919	Georgia-Pacific Consr Prods LP-Green Bay	Industrial	Green Bay West Mill	WI	10360	GEN10	26.4	Conventional Steam Coal	BIT	ST
2014	10	55919	Georgia-Pacific Consr Prods LP-Green Bay	Industrial	Green Bay West Mill	WI	10360	GEN5	7.5	Conventional Steam Coal	BIT	ST
2014	10	16002	Rio Bravo Poso	Electric CHP	Rio Bravo Poso	CA	10769	UP8	33.0	Conventional Steam Coal	BIT	ST
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN1	14.0	Natural Gas Fired Combined Cycle	NG	CT
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN4	10.0	Other Gases	OG	CA
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN5	10.0	Other Gases	OG	CA
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN6	10.0	Other Gases	OG	ST
2014	10	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN7	10.0	Other Gases	OG	ST
2014	11	17569	City of South Norwalk - (CT)	Electric Utility	South Norwalk Electric	CT	6598	6	1.1	Petroleum Liquids	DFO	IC
2014	11	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	1	100.0	Conventional Steam Coal	BIT	ST
2014	11	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	2	100.0	Conventional Steam Coal	BIT	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.

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	Status	Nameplate Capacity (MW)
2014	12	59050	Algonquin Power Co	IPP	Algonquin SKIC20 Solar LLC	CA	59412	SKI20	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV2	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV3	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV4	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV5	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV6	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV7	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV8	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar Farm, LLC	NC	58840	INV9	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV10	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV2	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV3	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV4	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV5	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV6	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV7	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV8	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2014	12	58694	Argand Energy Solutions, LLC	IPP	Samarcand Solar Farm, LLC	NC	58805	INV9	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2014	12	57421	BayWa r.e Wind LLC	IPP	Anderson Wind I	NM	58939	AND1	5.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	5.0
2014	12	57421	BayWa r.e Wind LLC	IPP	Anderson Wind II	NM	58940	AND2	10.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	10.0
2014	12	58818	BearPond Solar Center LLC	IPP	BearPond Solar Center LLC	NC	58955	BEAR	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2014	12	58785	Beebe 1B Renewable Energy, LLC	IPP	Beebe 1B	MI	58908	1	50.4	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	50.4
2014	12	58262	Belectric Inc	IPP	Zuni Solar 1	CA	58285	ZNPV	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	58262	Belectric Inc	IPP	Zuni Solar 2	CA	58286	ZSPV	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	59174	CD US Solar MT3, LLC	IPP	LandPro-1	CA	59397	SNL17	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	59174	CD US Solar MT3, LLC	IPP	LandPro-2	CA	59398	SNL18	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	59174	CD US Solar MT3, LLC	IPP	LandPro-3	CA	59399	SNL19	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	59185	CD US Solar PO 3, LLC	IPP	Madelyn Solar, LLC	CA	59409	SNL17	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2014	12	59185	CD US Solar PO 3, LLC	IPP	Mitchell Solar, LLC	CA	59411	SNL18	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	59185	CD US Solar PO 3, LLC	IPP	Rudy Solar, LLC	CA	59410	SNL19	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2014	12	58976	Clenera Renewable Energy LLC	IPP	Avalon Solar	AZ	59168	AS	29.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	29.0
2014	12	4254	Consumers Energy Co	Electric Utility	Cross Winds Energy Park	MI	58830	CWEP	111.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	111.0
2014	12	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	8	26.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	26.0
2014	12	59163	DESRI V LA County Solar, LLC	IPP	LAX Solar	CA	59403	LAX1	0.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.8
2014	12	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-04	1.4	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.4
2014	12	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-05	1.4	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.4
2014	12	58468	Dominion Renewable Energy	IPP	Corcoran Irrigation District Solar	CA	59183	PV1	19.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.8
2014	12	58468	Dominion Renewable Energy	IPP	Mulberry Farm LLC	TN	59184	PV1	15.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.8
2014	12	58468	Dominion Renewable Energy	IPP	RE Adams East LLC	CA	58984	1	19.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.0
2014	12	58468	Dominion Renewable Energy	IPP	RE Camelot LLC	CA	58983	1	45.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	45.0
2014	12	58468	Dominion Renewable Energy	IPP	RE Columbia Two, LLC	CA	58990	1	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.0
2014	12	58468	Dominion Renewable Energy	IPP	RE Kansas Solar LLC	CA	58985	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2014	12	58468	Dominion Renewable Energy	IPP	RE Kent South, LLC	CA	58991	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2014	12	58468	Dominion Renewable Energy	IPP	RE Old River One LLC	CA	58986	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
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	(V) Under construction, more than 50 percent complete	200.6
2014	12	5906	EDF Renewable Services Inc	IPP	TX Hereford Wind	TX	58773	GEN1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2014	12	58970	Ecoplexus, Inc	IPP	Carter PV1	NC	59156	CTR1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58970	Ecoplexus, Inc	IPP	Langley PV1	NC	59158	LNG1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58970	Ecoplexus, Inc	IPP	Mesa PV1	CO	59199	MESA1	1.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.6
2014	12	58970	Ecoplexus, Inc	IPP	Pecan PV1	NC	59157	PEC1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58970	Ecoplexus, Inc	IPP	Sterling PV 3	CO	59198	STER3	1.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.6
2014	12	58720	Enbridge	IPP	Keechi Wind	TX	58838	KW1	110.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	110.0
2014	12	49932	Enel North America, Inc.	IPP	South Fork Wind Farm	MN	58691	STFK1	13.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	13.0
2014	12	58523	Enerdyne Power Systems Inc	IPP	Black Oak Power Producers, LLC	MO	59310	GEN1	1.9	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	2.0
2014	12	58523	Enerdyne Power Systems Inc	IPP	Black Oak Power Producers, LLC	MO	59310	GEN2	1.9	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	2.0
2014	12	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	6A	168.2	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	194.7
2014	12	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	6B	168.2	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	194.7
2014	12	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	6C	224.7	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	260.1
2014	12	58784	Fourmile Wind Energy, LLC	IPP	Fourmile Ridge	MD	58904	1	40.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	40.0
2014	12	6915	Galena Electric Utility	Electric Utility	Galena Electric Utility	AK	7437	2A	0.3	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.5
2014	12	58503	Garnet Solar Power Station 1 LLC	IPP	Garnet Solar Power Station 1 LLC	CA	58528	WDT44	4.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.0
2014	12	58810	Geenex LLC	IPP	HXOap Solar One	NC	58943	1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2014	12	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG H	CA	58913	1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2014	12	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG M	CA	58912	1	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2014	12	58819	Graham Solar Center LLC	IPP	Graham Solar Center LLC	NC	58957	GRAH	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2014	12	59209	Half Moon Ventures, LLC	IPP	Duke Building 129	IN	59434	DU129	3.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.4
2014	12	59209	Half Moon Ventures, LLC	IPP	Duke Building 87	IN	59432	DUK87	2.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.7
2014	12	59209	Half Moon Ventures, LLC	IPP	Duke Building 98	IN	59433	DUK98	2.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.7
2014	12	58412	Headwaters Wind Farm LLC	IPP	Headwaters Wind Farm LLC	IN	58416	1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2014	12	58695	Heliosage LLC	IPP	Albemarle Solar Center LLC	NC	58806	ASC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Boseman Solar Center LLC	NC	58807	BSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Flemming Solar Center LLC	NC	58808	FSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Harrell's Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Littlefield Solar Center LLC	NC	58809	LSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Rams Horn Solar Center LLC	NC	58810	RHSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	58695	Heliosage LLC	IPP	Upchurch Solar Center LLC	NC	58812	USC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2014	12	57480	Heritage Garden Wind Farm I LLC	IPP	Big Turtle Wind Farm, LLC	MI	58891	BTWF1	20.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	20.0
2014	12	59091	Hollister Solar LLC	IPP	Hollister Solar LLC	CA	59268	PV10	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	15399	Iberdrola Renewables Inc	IPP	Baffin Wind	TX	57927	1	188.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	188.0
2014	12	59200	Indy Airport Solar Project II, LLC	IPP	IND Solar Farm (Phase IIA)	IN	59424	IND2A	7.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.5
2014	12	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2014	12	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2014	12	58980	Lewiston Solar LLC	IPP	Lewiston Solar	NC	59174	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	59089	Merced Solar LLC	IPP	Merced Solar LLC	CA	59265	PV8	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	12341	MidAmerican Energy Co	Electric Utility	Lundgren Wind Project	IA	58884	LGWF	251.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	251.0
2014	12	12341	MidAmerican Energy Co	Electric Utility	Macksburg Wind Project	IA	58885	MBWF	119.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	119.6
2014	12	12341	MidAmerican Energy Co	Electric Utility	Wellsburg Wind Project	IA	58886	WBWF	140.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	140.8
2014	12	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS22	55.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	55.5
2014	12	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS23	47.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	48.0
2014	12	12647	Minnesota Power Inc	Electric Utility	Bison 4 Wind Energy Center	ND	58872	BISO4	205.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	205.0
2014	12	59090	Mission Solar LLC	IPP	Mission Solar LLC	CA	59267	PV9	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP1	125.0	Solar Thermal without Energy Storage	SUN	ST	(TS) Construction complete, but not yet in commercial operation	140.0
2014	12	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP2	125.0	Solar Thermal without Energy Storage	SUN	ST	(TS) Construction complete, but not yet in commercial operation	140.0
2014	12	58912	Mount Olive Farm LLC	IPP	Mount Olive Farm	NC	59107	1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	56990	NJR Clean Energy Ventures Corporation	IPP	North Run	NJ	59318	NRUN1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	59208	NRG Solar Las Vegas MB-1	Commercial	NRG Solar Las Vegas MB-1	NV	59430	MB-1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2014	12	59180	Newman Solar LLC	IPP	Newman Solar	TX	59407	NEW1	10.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.5
2014	12	56622	NextEra Energy Resources	IPP	Mammoth Plains	OK	59284	GE1.7	199.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	199.0

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	Status	Nameplate Capacity (MW)
2014	12	59115	NextEra Energy Seiling Wind	IPP	Seiling Wind I	OK	59311	SEIL1	199.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	199.0
2014	12	59115	NextEra Energy Seiling Wind	IPP	Seiling Wind II	OK	59312	SEIL2	98.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	98.6
2014	12	55868	Noble Wind Operations LLC	IPP	Noble Bellmont Windpark LLC	NY	56903	1	21.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	21.0
2014	12	58477	O2energies, Inc.	IPP	Chocowinity Solar LLC	NC	58675	CHOCO	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58477	O2energies, Inc.	IPP	Cirrus Solar LLC	NC	58674	CIRRU	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58477	O2energies, Inc.	IPP	Rockwell Solar LLC	NC	58668	ROCKW	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2014	12	59210	Oak Tree Energy, LLC	IPP	Oak Tree Energy	SD	59435	OTE14	19.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	19.5
2014	12	59188	Pleasant Hill Wind Energy LLC	IPP	Pleasant Hill Wind Energy Project	TX	59417	WT1	20.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	20.0
2014	12	59121	Pumpjack Solar I, LLC	IPP	Pumpjack Solar I	CA	59322	GEN1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2014	12	58749	Rentech Nitrogen Pasadena LLC	Electric CHP	Rentech Nitrogen Pasadena Cogeneration	TX	58870	MG202	14.0	All Other	WH	ST	(TS) Construction complete, but not yet in commercial operation	15.4
2014	12	59040	Rising Tree Wind Farm II LLC	IPP	Rising Tree Wind Farm II	CA	59235	GEN1	19.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	19.8
2014	12	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	79.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	79.2
2014	12	59175	Searchlight Solar LLC	IPP	Searchlight Solar	NV	59404	1	17.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	17.5
2014	12	58820	Shankle Solar Center LLC	IPP	Shankle Solar Center LLC	NC	58956	SHAN	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2014	12	58579	Silverado Power	IPP	Summer North Solar	CA	58757	UE2	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	58579	Silverado Power	IPP	Summer North Solar	CA	58757	UF2	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2014	12	58579	Silverado Power	IPP	Summer North Solar	CA	58757	UG2	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	58579	Silverado Power	IPP	Summer North Solar	CA	58757	UH2	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2014	12	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	1	211.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	211.0
2014	12	24211	Tucson Electric Power Co	Electric Utility	Fort Huachuca Solar PV Project	AZ	58972	FHUAC	14.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	14.9
2014	12	58961	United Therapeutics Corporation	IPP	XPF Solar Field	NC	59146	PV1	2.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.9
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County	VA	55939	CT01	297.5	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County	VA	55939	CT02	297.5	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County	VA	55939	CT03	297.5	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County	VA	55939	ST01	579.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	579.7
2014	12	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	0.5
2014	12	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	0.5
2014	12	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E101	193.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	225.0
2014	12	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E102	193.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	225.0
2014	12	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	STG1	283.3	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	304.0
2014	12	20511	Weyerhaeuser Co NR, New Bern CF	Industrial	Weyerhaeuser New Bern NC	NC	50188	TG2	29.0	Wood/Wood Waste Biomass	BLQ	ST	(V) Under construction, more than 50 percent complete	38.1
2014	12	59158	Wildwood Solar I, LLC	IPP	Wildwood Solar I, LLC	CA	59380	WLD1	19.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	19.5
2014	12	58983	Williamston Solar LLC	IPP	Williamston Solar	NC	59176	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2014	12	58979	Windsor Solar LLC	IPP	Windsor Solar	NC	59171	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2014	12	58661	sPower	IPP	Lancaster Little Rock	CA	59262	LLRC	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2015	1	57365	Consolidated Edison Solutions Inc	IPP	Port Richmond WWT Solar	NY	58647	1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	9	24.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	24.0
2015	1	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB1	3.3	Other Waste Biomass	OBG	GT	(V) Under construction, more than 50 percent complete	4.7
2015	1	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB2	3.3	Other Waste Biomass	OBG	GT	(V) Under construction, more than 50 percent complete	4.7
2015	1	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB3	3.3	Other Waste Biomass	OBG	GT	(V) Under construction, more than 50 percent complete	4.7
2015	1	59176	Diamond Valley Solar LLC	IPP	Diamond Valley Solar Project	CA	59405	PV11	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	3.9
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-2	0.9	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	0.9
2015	1	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS07	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	1	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS08	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	1	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS09	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	1	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS10	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	1	58489	OCI Solar Power	IPP	OCI Alamo 3 LLC	TX	59204	OCIA3	5.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.5
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	1	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	10	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	11	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	12	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	2	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	3	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	4	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	5	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	6	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	7	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	8	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	18.8
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Kinsley Landfill Solar	NJ	58877	KINS	8.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	8.6
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Parkland Landfill Solar	NJ	59001	PARK	7.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.8
2015	1	58258	SunRay Power LLC	IPP	Leicester One MA Solar LLC	MA	58282	1	6.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	6.0
2015	1	56641	Tonopah Solar Energy LLC	IPP	Crescent Dunes Solar Energy	NV	57275	TSE-1	110.0	Solar Thermal with Energy Storage	SUN	CP	(V) Under construction, more than 50 percent complete	125.0
2015	1	20542	Weyerhaeuser Co	Industrial	Flint River Operations	GA	50465	GEN2	25.0	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	38.5
2015	2	58262	Belectric Inc	IPP	Venable Solar 1	CA	58289	VNPV	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	2	58262	Belectric Inc	IPP	Venable Solar 2	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	2	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Other Natural Gas	NG	IC	(V) Under construction, more than 50 percent complete	3.2
2015	2	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	21.0
2015	2	58523	Enerdyne Power Systems Inc	IPP	Onslow Energy	NC	59036	GEN 1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	2	58873	Green Energy Team LLC	IPP	Biomass to Energy Facility, Kauai	HI	59035	MKA1	8.3	Other Waste Biomass	AB	ST	(V) Under construction, more than 50 percent complete	9.3
2015	2	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	2	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	2	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	2	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	2	58598	Mass Solar, LLC	IPP	Braley Road 2	MA	58680	PV1	2.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.7
2015	2	58598	Mass Solar, LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	2	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS12	52.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	54.0
2015	2	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	44.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	43.5
2015	2	56990	NJR Clean Energy Ventures Corporation	IPP	Carroll Area Wind Farm	IA	59071	WT 1	20.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	2	59177	Petra Engineering	IPP	Loy Farm Solar	NC	59406	SYS1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2015	2	22142	Santa Cruz Cogeneration Assoc	Commercial	Univ of Calif Santa Cruz Cogeneration	CA	50064	003	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.4
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5

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	Status	Nameplate Capacity (MW)
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26K	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26L	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	2	58661	sPower	IPP	Con Dios Solar 11	CA	59264	CON11	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	2	58661	sPower	IPP	Con Dios Solar 3	CA	59263	COND3	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG1	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	25.3
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	25.3
2015	3	5906	EDF Renewable Services Inc	IPP	City of Corcoran Solar	CA	59087	GEN 1	11.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	11.0
2015	3	5906	EDF Renewable Services Inc	IPP	Goose Lake Solar	CA	59086	GEN1	12.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.0
2015	3	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-1	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	131.8
2015	3	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-2	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	131.8
2015	3	56615	First Solar Energy LLC	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.2
2015	3	58865	Hoopeston Wind LLC	IPP	Hoopeston Wind LLC	IL	59021	HOO1	98.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	98.0
2015	3	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI	58639	ANAPV	12.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	12.0
2015	3	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2015	3	56855	Performance Services	IPP	Purdue Energy Park	IN	57518	1	20.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	3	15248	Portland General Electric Co	Electric Utility	Tucannon River Wind Farm	WA	58571	1	266.8	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	266.8
2015	3	58920	Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2015	3	59202	SolNCPower1, LLC	IPP	Two Mile Solar	NC	59427	TMS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	3	58658	Sunlight Partners	IPP	Amethyst Solar	NC	58730	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	3	58658	Sunlight Partners	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	3	58658	Sunlight Partners	IPP	Charlotte Solar	NC	58722	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	3	58658	Sunlight Partners	IPP	Elliana Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	3	58658	Sunlight Partners	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	3	58658	Sunlight Partners	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	3	18260	Surprise Valley Electrification	Electric Utility	Paisley Geothermal Generating Plant	OR	59382	SVEP1	1.8	Geothermal	GEO	ST	(TS) Construction complete, but not yet in commercial operation	3.7
2015	3	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	5	0.4	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.4
2015	3	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	3	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	3	59156	Wapsie Valley Creamery	Industrial	Wapsie Valley Creamery Back Up Generator	IA	59379	1	1.1	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.4
2015	3	58919	Yanceyville Farm 2 LLC	IPP	Yanceyville Farm 2 LLC	NC	59113	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	3	58661	sPower	IPP	Leavenworth Greenworks LLC	NY	59276	LEAVG	9.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.5
2015	3	58661	sPower	IPP	SEPV Palmdale East	CA	59273	PALME	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	3	58661	sPower	IPP	Sierra Solar Greenworks	CA	59431	SSG1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	3	58661	sPower	IPP	Sterlington Greenworks LLC	NY	59275	STERG	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2015	3	58661	sPower	IPP	Sutter Greeworks LLC	NY	59274	SUTTG	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	4	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3

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	Status	Nameplate Capacity (MW)
2015	4	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG3	25.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	25.3
2015	4	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2015	4	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2015	4	58748	Clean Energy LLC	Electric CHP	Reventure Park	NC	58865	RNG	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2015	4	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 2	CA	59413	C2CA	19.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.8
2015	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.0
2015	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.0
2015	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.0
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	(OT) Other	170.0
2015	4	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	181.9
2015	4	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	179.4
2015	4	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST1	129.6	Other Natural Gas	NG	ST	(V) Under construction, more than 50 percent complete	133.5
2015	4	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST2	129.6	Other Natural Gas	NG	ST	(V) Under construction, more than 50 percent complete	133.5
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS01	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS02	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS03	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS04	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS05	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS06	16.5	Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN3	1.0	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	1.0
2015	4	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN4	0.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	0.2
2015	4	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS11	52.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	54.0
2015	4	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	(V) Under construction, more than 50 percent complete	13.8
2015	4	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	(V) Under construction, more than 50 percent complete	13.8
2015	4	58638	NGP Lenape Solar II, LLC	IPP	Lenape II	IN	58703	1	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2015	4	14077	Oklahoma Municipal Power Authority	Electric Utility	Charles D. Lamb Energy Center	OK	58325	1	122.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	122.0
2015	4	59199	SolNCPower2, LLC	IPP	GKS Solar	NC	59426	GKS1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	4	59131	Sumitomo Corporation of the Americas	IPP	Mesquite Creek Wind	TX	59332	MSCRK	211.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	211.2
2015	4	58734	Sunfish Farm LLC	IPP	Sunfish Farm	NC	58864	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	5	58706	67RK 8me LLC	IPP	Redcrest Solar Farm	CA	58831	PV-1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2015	5	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG1	22.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	22.0
2015	5	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2015	5	56769	Consolidated Edison Development Inc.	IPP	Atwell Island West Solar	CA	59414	AWCA	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	5	5906	EDF Renewable Services Inc	IPP	Longhorn Wind	TX	58772	GEN1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	5	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	12.0
2015	5	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	5	59155	First Wind O&M, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK1	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	202.0
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	1	25.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	25.9
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	2	70.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	70.3
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	3	105.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	105.5
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	1	129.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	129.5
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	2	109.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.2
2015	5	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	3	61.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	61.1
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	7	640.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	691.0
2015	5	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS14	32.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	33.0
2015	5	58616	Osage Wind, LLC	IPP	Osage Wind, LLC	OK	58683	1	150.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.4
2015	5	59183	Shafter Solar LLC	IPP	Shafter Solar LLC	CA	59408	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
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	(V) Under construction, more than 50 percent complete	96.0
2015	5	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	2	165.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	165.0
2015	5	58658	Sunlight Partners	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.5
2015	6	58856	65HK 8me LLC	IPP	Hayworth Solar	CA	59009	PV1	27.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	27.0
2015	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	22.0
2015	6	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV1	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	6	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV2	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	6	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV3	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	6	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV4	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV1	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV2	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV3	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV4	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV5	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV6	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV7	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58694	Argand Energy Solutions, LLC	IPP	McCaskey Solar Farm, LLC	NC	58804	INV8	0.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.3
2015	6	58987	B&H Wind LLC	IPP	Beethoven Wind	SD	59187	B&H80	80.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	80.0
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 1	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 2	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 5	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 6	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 8	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 9	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN11	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN12	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN4	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN10	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN11	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN2	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN3	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN5	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN6	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015	6	58508	Carolina Solar Energy II LLC	IPP	Simons Farm	NC	59149	SIMON	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	6	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58235	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	73.0
2015	6	5906	EDF Renewable Services Inc	IPP	Catalina Solar 2, LLC	CA	59334	INV-1	18.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	18.0
2015	6	58970	Ecoplexus, Inc	IPP	Bradley PV1	NC	59154	BRAD1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	6	49932	Enel North America, Inc.	IPP	Little Elk Wind Project LLC	OK	58999	LEWP	74.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	74.0
2015	6	59132	Faison Solar LLC	IPP	Faison Solar	NC	59333	FAIS1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2015	6	56615	First Solar Energy LLC	IPP	North Star Solar	CA	58713	NSTR	62.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	62.5
2015	6	59155	First Wind O&M, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.2
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	235.0
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	126.0

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	Status	Nameplate Capacity (MW)
2015	6	7801	Gulf Power Co	Electric Utility	Perdido	FL	57502	3	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2015	6	11204	Los Alamos County	Electric Utility	Los Alamos PV Site	NM	58256	4	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2015	6	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	3.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
2015	6	58985	Marion Solar LLC	IPP	Belmont	IN	59172	PV1	3.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.8
2015	6	58985	Marion Solar LLC	IPP	Marion Solar LNG	IN	59180	PV1	1.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.5
2015	6	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2015	6	58606	Mauka Fit One LLC	IPP	Mauka FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.5
2015	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR1	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2015	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR2	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2015	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR3	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2015	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR4	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2015	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR5	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2015	6	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2015	6	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
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	(V) Under construction, more than 50 percent complete	232.0
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	(V) Under construction, more than 50 percent complete	232.0
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	(V) Under construction, more than 50 percent complete	339.2
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2015	6	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2S	51.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.0
2015	6	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2W	30.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	30.0
2015	6	59042	Rising Tree Wind Farm III LLC	IPP	Rising Tree Wind Farm III	CA	59236	GEN1	99.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	99.0
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	6	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2015	6	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2015	6	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2015	6	58761	White Camp Solar LLC	IPP	White Camp Solar	TX	58888	WCAMP	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2015	6	58984	Winton Solar LLC	IPP	Winton Solar	NC	59177	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	6	58982	Woodland Solar LLC	IPP	Woodland Solar	NC	59175	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	7	58662	Blue Mountain Power Partners	IPP	Blue Mountain Wind Farm	UT	58764	BM1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80.0
2015	7	4161	Constellation Power Source Gen	IPP	Perryman	MD	1556	GT6	109.8	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	141.0
2015	7	58970	Ecoplexus, Inc	IPP	Thornton PV1	NC	59152	THOR1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	225.0
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	225.0
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	285.0
2015	8	58897	70SM 8me LLC	IPP	Calipatria Solar Farm	CA	59088	GEN 1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	8	58981	Bethel Solar LLC	IPP	Bethel Solar	NC	59173	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	8	59206	Downs Farm Solar, LLC	IPP	Downs Farm Solar	NC	59429	DOWN1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	8	59155	First Wind O&M, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Cedar Valley Solar Plant	UT	58599	CVSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSP1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Route 66 Wind Plant	TX	58681	RT661	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	173.0
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	173.0
2015	8	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	MCHP	5.9	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	6.4
2015	8	58872	Shannon Wind LLC	IPP	Shannon Wind	TX	59034	SHAN1	204.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	204.0
2015	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	9	58508	Carolina Solar Energy II LLC	IPP	Green Farm	NC	59148	GREEN	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	9	49932	Enel North America, Inc.	IPP	Mustang Run Wind Project LLC	OK	59000	MRWP	136.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	136.0
2015	9	49932	Enel North America, Inc.	IPP	Origin Wind	MA	58938	WT	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2015	9	50123	Infigen Asset Management LLC	IPP	Rio Bravo Solar 1 LLC	CA	59249	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	9	50123	Infigen Asset Management LLC	IPP	Wildwood Solar II	CA	59253	PV1	14.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2015	9	58609	OwnEnergy Inc	IPP	Alexander Wind Farm LLC	KS	58666	1	48.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	48.3
2015	9	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	34.2
2015	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2015	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.5
2015	9	58716	Windsor Cooper Hill Solar, LLC	IPP	Windsor Cooper Hlill Solar, LLC	NC	58847	1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	58857	87RL 8me LLC	IPP	Woodmere Solar Farm	CA	59008	PV1	15.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN 6	40.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	40.0
2015	10	58970	Ecoplexus, Inc	IPP	Shawboro PV1	NC	59155	SHAW1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	10	58962	Fair Wind Power Partners	IPP	Fair Wind Power	MD	59147	1	30.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	30.0
2015	10	59155	First Wind O&M, LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	148.0
2015	10	58891	Jericho Power LLC	IPP	Jericho Power	NH	59070	WT 1	12.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	14.3
2015	10	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	79.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	84.0
2015	10	13781	Northern States Power Co - Minnesota	Electric Utility	Border Winds Wind Farm	ND	59200	1	150.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	150.0
2015	10	13781	Northern States Power Co - Minnesota	Electric Utility	Pleasant Valley Wind Farm	MN	59201	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2015	10	59143	Old Mill Solar	IPP	Old Mill Solar	OR	59374	OMSLR	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	10	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	5.2	Other Waste Biomass	OBG	ST	(T) Regulatory approvals received. Not under construction	5.2
2015	10	58814	Sibley Wind Substation LLC	IPP	Sibley Wind	MN	58950	SW-1	19.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	19.5
2015	10	58826	Thunder Spirit Wind, LLC	IPP	Thunder Spirit Wind, LLC	ND	58965	THNDR	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2015	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED1	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2015	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED2	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2015	11	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	3.6
2015	11	5906	EDF Renewable Services Inc	IPP	Roosevelt County	NM	58771	GEN1	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2015	11	59155	First Wind O&M, LLC	IPP	South Plains Wind Phase I	TX	59384	1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	11	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 1	TX	59005	MAR1	109.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	232.0
2015	11	58930	Tantgent Energy Solutions	IPP	DD Fayetteville Solar NC LLC	NC	59117	PV1	23.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	23.1

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	Status	Nameplate Capacity (MW)
2015	11	54906	Tradewind Energy, Inc.	IPP	Breckenridge Wind Project LLC	OK	58994	BWP	98.8	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	98.8
2015	11	59056	Tri Global Energy, LLC	IPP	Fiber Winds	TX	59244	FIBE1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2015	12	58794	American Wind Energy Management Corp.	IPP	Sugar Creek Wind One LLC	IL	58924	SUG1	175.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	175.0
2015	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59005	Angus Holdings LLC	IPP	Angus Holdings	NC	59211	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58703	Apple One LLC	IPP	Apple One	NC	58828	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	59039	Arbuckle Mountain Wind Farm LLC	IPP	Arbuckle Mountain Wind Farm LLC	OK	59234	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2015	12	58680	Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58792	PV1	19.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.4
2015	12	58770	Balko Wind LLC	IPP	Balko Wind LLC	OK	58900	BAL1	299.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	299.7
2015	12	58625	Black Oak Wind, LLC	IPP	Black Oak Wind Farm	MN	58692	1	42.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	42.0
2015	12	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	148.7
2015	12	59006	Calypso Farm LLC	IPP	Calypso Farm	NC	59212	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	CAM1	164.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	164.0
2015	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2015	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	2	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2015	12	59007	Clipperton Holdings LLC	IPP	Clipperton Holdings	NC	59213	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW3	19.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	19.7
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	222.3
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	222.3
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	227.7
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm II LLC	TX	59068	GVII	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm III LLC	TX	59067	GVIII	188.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	188.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Magic Valley Wind Farm II	TX	59066	MVII	230.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	230.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Rose Rock Wind Farm LLC	OK	59065	WT1	109.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	109.8
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm	TX	59063	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm II	TX	59064	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Twin Forks Wind Farm LLC	IL	59061	WT1	351.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	351.0
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Vici Wind Farm	OK	59062	VICI	104.4	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	104.4
2015	12	56215	E ON Climate Renewables N America LLC	IPP	Wildcat Wind Farm II LLC`	IN	59069	WCII	210.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	210.0
2015	12	58642	East Kapolei Solar LLC	IPP	EKS Solar Farm	HI	58705	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other	PUR	ST	(OT) Other	1.0
2015	12	49932	Enel North America, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
2015	12	49932	Enel North America, Inc.	IPP	Goodwell Wind Project LLC	OK	58998	GWWP	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2015	12	49932	Enel North America, Inc.	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	12	28086	Energy Unlimited Inc	IPP	Painted Hills IV Wind	CA	56926	1	19.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	19.5
2015	12	58672	Everpower Wind Holdings Inc	IPP	Buckeye Wind Farm	OH	58776	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2015	12	59001	Faison Farm LLC	IPP	Faison Farm	NC	59208	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	131.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	131.1
2015	12	59002	Garland Farm LLC	IPP	Garland Farm	NC	59209	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	59008	Guersney Holdings LLC	IPP	Guernsey Holdings	NC	59214	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58695	Heliosage LLC	IPP	Highland Solar Center LLC	NC	59163	HSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Heliosage LLC	IPP	Lake Solar Center LLC	NC	59161	LSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Heliosage LLC	IPP	Mariposa Solar Center LLC	NC	59162	MSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Heliosage LLC	IPP	Mason Solar Center LLC	NC	59165	MSC 1	15.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.3
2015	12	58695	Heliosage LLC	IPP	Nan Solar Center LLC	NC	59164	NSC 1	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2015	12	58695	Heliosage LLC	IPP	Pinewood Solar Center LLC	NC	59160	PSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Heliosage LLC	IPP	Tower Solar Center LLC	NC	59159	TSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	59009	Hereford Holdings LLC	IPP	Hereford Holdings	NC	59215	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	59000	Holger Holdings LLC	IPP	Holger Holdings	NC	59218	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58576	Holstein Holdings, LLC	IPP	Holstein Plant	NC	58623	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	12	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2015	12	59003	Jackson Solar Farm LLC	IPP	Jackson Solar Farm	NC	59210	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-A	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	3.0
2015	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-B	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	3.0
2015	12	58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK	58902	KNG1	300.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
2015	12	58679	Kirkwall Holdings, LLC	IPP	Kirkwall Holdings	NC	58791	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	55910	Lanai Sustainability Research LLC	IPP	Mililani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	59022	Leonardo Wind 1 LLC	IPP	Leonardo Wind 1 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59023	Leonardo Wind 3 LLC	IPP	Leonardo Wind 3 LLC	IA	59229	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58673	Longhorn Holdings, LLC	IPP	Longhorn Holdings	NC	58781	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	209.5
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5	108.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.8
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	95.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	103.0
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	95.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	103.0
2015	12	59119	Los Vientos Windpower III, LLC	IPP	Los Vientos Windpower III	TX	59320	GEN1	2.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.0
2015	12	58850	Mariah South LLC	IPP	Mariah Renewable Energy Center Phase 2	TX	59007	MAR S	99.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2015	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	10.3
2015	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	10.3
2015	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	10.3
2015	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	10.3
2015	12	58895	Marshall Wind Energy LLC	IPP	Marshall Wind Farm	KS	59084	RPMA	73.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	73.8
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	(P) Planned for installation, but regulatory approvals not initiated	100.0
2015	12	59026	Michelangelo Wind 1 LLC	IPP	Michelangelo Wind 1 LLC	IA	59231	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58887	Michelangelo Wind 3 LLC	IPP	Michelangelo Wind 3 LLC	IA	59053	WT1	3.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	3.0
2015	12	59027	Michelangelo Wind 4 LLC	IPP	Michelangelo Wind 4 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project	IA	58883	HLWF	502.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	502.0
2015	12	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	25.0
2015	12	58477	O2energies, Inc.	IPP	Gates Solar LLC	NC	58673	GATES	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2015	12	59025	Optimum Wind 3 LLC	IPP	Optimum Wind 3 LLC	IA	59227	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59024	Optimum Wind 4 LLC	IPP	Optimum Wind 4 LLC	IA	59226	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59017	Optimum Wind 5 LLC	IPP	Optimum Wind 5 LLC	IA	59223	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59018	Optimum Wind 6 LLC	IPP	Optimum Wind 6 LLC	IA	59224	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59019	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	55931	Orion Energy Group LLC	IPP	K4 Wind Farm I LLC	IL	58898	K4-1	175.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	175.0
2015	12	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
2015	12	59016	Passadumkeag Windpark LLC	IPP	Passadumkeag Windpark LLC	ME	59222	Q357	39.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	39.9
2015	12	56545	Pattern Operators LP	IPP	Ripley Westfield Wind LLC	NY	57193	WTG	75.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	75.0
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	185.3
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	185.3
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	255.0
2015	12	58690	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	58690	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	58690	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	58690	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4

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	Status	Nameplate Capacity (MW)
2015	12	58690	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2015	12	59010	Rhubarb One LLC	IPP	Rhubarb One	NC	59216	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58896	Siskiyou Power Authority	IPP	Pawnee Wind Farm LLC	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.5
2015	12	58674	Sonne One, LLC	IPP	Sonne One	NC	58782	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58704	Sonne Two LLC	IPP	Sonne Two	NC	58829	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefinery	FL	58997	G1001	12.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
2015	12	58658	Sunlight Partners	IPP	Angel Solar	NC	58731	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58658	Sunlight Partners	IPP	Austin Solar	NC	58733	PV1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2015	12	58658	Sunlight Partners	IPP	Buddy Solar	NC	58735	PV1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2015	12	58658	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN 1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2015	12	58658	Sunlight Partners	IPP	Duck Solar	NC	58724	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58658	Sunlight Partners	IPP	Flash Solar	NC	58726	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58658	Sunlight Partners	IPP	Hawkins Solar	NC	58727	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58658	Sunlight Partners	IPP	Maverick Solar	NC	59016	GEN 1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2015	12	58658	Sunlight Partners	IPP	Owen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58658	Sunlight Partners	IPP	Shadow Solar	NC	58744	PV1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2015	12	58658	Sunlight Partners	IPP	Star Solar	NC	58746	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2015	12	58836	Sunwind Energy Solutions, LLLP	IPP	Sunwind Doyle Wind	KS	58976	SNWND	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,269.9
2015	12	59011	Tiburon Holdings	IPP	Tiburon Holdings	NC	59217	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	59056	Tri Global Energy, LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	288.0
2015	12	59056	Tri Global Energy, LLC	IPP	Fluvanna	TX	59245	FLUV1	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2015	12	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GOOD1	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2015	12	58796	Trishe Wind Colorado	IPP	Trishe Wind Colorado	CO	58928	1	30.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	30.0
2015	12	56633	Trishe Wind Minnesota	IPP	Trishe Wind Minnesota	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	40.0
2015	12	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2015	12	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH2	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2015	12	58602	Utah Red Hills Renewable Energy Park LLC	IPP	Utah Red Hills Renewable Energy Park	UT	58660	1	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2015	12	59021	Venus Wind 3 LLC	IPP	Venus Wind 3 LLC	IA	59230	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	59116	WED Coventry Five, LLC	IPP	WED Coventry 5	RI	59313	COV5	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59108	WED Coventry Four, LLC	IPP	WED Coventry 4	RI	59306	WEDC4	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59105	WED Coventry One, LLC	IPP	WED Coventry 1	RI	59301	WEDC1	0.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59107	WED Coventry Three, LLC	IPP	WED Coventry 3	RI	59305	WEDC3	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.5	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	199.5
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT002	240.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	1	25438	Friant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6.9
2016	1	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	180.0
2016	1	4361	Ingredion Inc - Stockton	Industrial	Ingredion Stockton	CA	52115	GEN2	6.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	7.2
2016	1	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT	0.9	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	0.9
2016	1	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	0.9	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	0.9
2016	1	58489	OCI Solar Power	IPP	OCI Alamo 5 LLC	TX	59205	OCIA5	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG01	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG02	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG03	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG04	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG05	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG06	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG07	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG08	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG09	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG10	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG11	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG12	18.3	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2016	1	59138	SunPower Corporation, Systems	IPP	Quinto Solar PV Project	CA	59339	SSC13	105.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	108.0
2016	1	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	CTG	11.6	Other Waste Biomass	OBG	CT	(U) Under construction, less than or equal to 50 percent complete	12.0
2016	1	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	STG	7.4	Other Waste Biomass	OBG	CA	(U) Under construction, less than or equal to 50 percent complete	9.0
2016	2	58815	KDC Solar RTC LLC	IPP	Delilah Road Landfill	NJ	58951	DRLS	9.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	9.0
2016	2	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
2016	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	(L) Regulatory approvals pending. Not under construction	250.0
2016	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58901	Hydro Green Energy	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	3	9436	Mosaic Phosphates Co.	Industrial	Mosaic Phosphates Uncle Sam	LA	10198	GEN3	15.0	All Other	OTH	ST	(L) Regulatory approvals pending. Not under construction	15.0
2016	3	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
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	(P) Planned for installation, but regulatory approvals not initiated	42.3
2016	3	59056	Tri Global Energy, LLC	IPP	Hale Community Wind Farm	TX	59247	HALE1	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2016	4	57193	K Road Moapa Solar LLC	IPP	K Road Moapa Solar	NV	57859	1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2016	4	58838	Parrey, LLC	IPP	Henrietta Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	102.0
2016	4	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 4	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	3.5
2016	4	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 5	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	3.5
2016	4	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS52	14.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.9
2016	5	58603	Aloha Solar Energy Fund I LLC	IPP	Aloha Solar Energy Fund 1 PK1	HI	58659	PK-1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	5	14534	City of Pasadena - (CA)	Electric Utility	Glenarm	CA	422	GT5	68.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-3	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2016	5	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	4TG	62.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	5	59120	Los Vientos Windpower IV, LLC	IPP	Los Vientos Windpower IV	TX	59321	GEN1	2.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	2.0
2016	5	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN1	500.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	500.0
2016	5	59109	SUNE BEACON SITE 2, LLC	IPP	Beacon Solar Plant Site 2	CA	59309	BEAC2	48.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.0
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	(L) Regulatory approvals pending. Not under construction	297.5
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	(L) Regulatory approvals pending. Not under construction	297.5
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	(L) Regulatory approvals pending. Not under construction	297.5
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	(L) Regulatory approvals pending. Not under construction	579.7
2016	6	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4

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	Status	Nameplate Capacity (MW)
2016	6	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	57421	BayWa r.e Wind LLC	IPP	Chopin Wind LLC	OR	59076	WT1	10.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG1	189.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	225.0
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG2	189.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	225.0
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	STG	198.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	220.0
2016	6	918	City of Aspen- (CO)	Electric Utility	Castle Creek Hydroplant	CO	56566	1	1.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	1.2
2016	6	58907	Dobbins Mill Farm	IPP	Dobbins Mill Farm	NC	59101	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5EG	1.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.0
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2	138.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	250.0
2016	6	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2016	6	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2016	6	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2016	6	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2016	6	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2016	6	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2016	6	59155	First Wind O&M, LLC	IPP	Hancock Wind Plant	ME	58686	HANC1	51.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	51.0
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5A	1,260.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	464.0
2016	6	58909	Fremont Farm LLC	IPP	Fremont Farm	NC	59103	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	58409	Future Power PA	IPP	Good Spring NGCC	PA	58409	HRSG1	108.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.0
2016	6	10171	Kentucky Utilities Co	Electric Utility	E W Brown	KY	1355	SOLAR	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR6	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71.2
2016	6	58588	National Solar Power Partners LLC	IPP	Hardee County Solar Farms 1 LLC	FL	58637	HCSF1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2016	6	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	101.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2016	6	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	101.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2016	6	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	101.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2016	6	59194	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59194	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59194	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59194	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59194	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56640	Rice Solar Energy LLC	Commercial	Rice Solar Energy	CA	57276	RSE1	150.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	170.0
2016	6	58914	Roady Lane Farm LLC	IPP	Roady Lane Farm LLC	NC	59108	1	74.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.8
2016	6	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN4	4.4	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	2	642.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	670.0
2016	6	58723	Warsaw Farm LLC	IPP	Warsaw Farm	NC	58848	1	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2016	6	58917	West Salisbury Farm LLC	IPP	West Salisbury Farm LLC	NC	59111	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	7	56615	First Solar Energy LLC	IPP	Silver State South	NV	58644	SSS	286.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	286.8
2016	7	56615	First Solar Energy LLC	IPP	Stateline Solar	NV	58646	STL	299.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	299.5
2016	7	59112	Hecate Energy Beacon Solar 1, LLC	IPP	Hecate Energy Beacon Solar 1	CA	59315	BEAC1	56.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	56.0
2016	7	59113	Hecate Energy Beacon Solar 3, LLC	IPP	Hecate Energy Beacon Solar 3	CA	59316	BEAC3	56.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	56.0
2016	7	59114	Hecate Energy Beacon Solar 4, LLC	IPP	Hecate Energy Beacon Solar 4	CA	59317	BEAC4	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	7	58489	OCI Solar Power	IPP	OCI Alamo 6 LLC	TX	59206	OCIA6	110.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	110.0
2016	7	59110	SUNE BEACON SITE 5, LLC	IPP	Beacon Solar Plant Site 5	CA	59308	BEAC5	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	7	2518	U S Bureau of Reclamation	Electric Utility	Black Canyon	ID	6396	3	12.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	12.5
2016	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	8	4329	Copper Valley Elec Assn, Inc	Electric Utility	Allison Creek Hydro	AK	58982	GEN1	6.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6.5
2016	8	58489	OCI Solar Power	IPP	OCI Alamo 7 LLC	TX	59207	OCIA7	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	9	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59161	Great Bay Wind I, LLC	IPP	Great Bay Wind Energy Center	MD	59385	GEN1	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2016	9	59137	Palmer Renewable Energy	IPP	Palmer Renewable Energy	MA	59336	PRE	42.0	Wood/Wood Waste Biomass	WDS	ST	(T) Regulatory approvals received. Not under construction	42.0
2016	9	58968	RE Mustang LLC	IPP	RE Mustang LLC	CA	59150	PV1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	10	5906	EDF Renewable Services Inc	IPP	Spinning Spur Wind III	TX	58775	GEN1	161.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	161.0
2016	10	58970	Ecoplexus, Inc	IPP	Watson Seed Farm PV1	NC	59153	WAT1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	59155	First Wind O&M, LLC	IPP	Enterprise Solar, LLC	UT	59386	ENTS1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar I, LLC	UT	59387	ESCS1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar II, LLC	UT	59388	ESCS2	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCS3	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 3	TX	59006	MARN	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	168.0
2016	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2016	10	58381	Troutdale Energy Center LLC	IPP	Troutdale Energy Center	OR	58396	PLGEN	652.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	652.0
2016	10	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	22.8
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	10	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	11	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	12	40.9	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	43.2
2016	11	57341	Foster Wheeler Twin Cities	Electric CHP	Univ Minnesota CHP Plant	MN	59197	CTG-1	17.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	21.0
2016	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2016	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind One LLC	IL	58925	SAN1	35.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	35.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind Two LLC	IL	58926	SAN2	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2016	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	127.0
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	59193	CHA1	350.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	350.0
2016	12	58792	ClearVista Energy LLC	IPP	ClearVista Solar and Wind Farm	CA	58922	CVPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58792	ClearVista Energy LLC	IPP	ClearVista Solar and Wind Farm	CA	58922	CVWT	19.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	19.5
2016	12	58840	Copenhagen Wind Farm, LLC	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	79.9
2016	12	57406	Deepwater Wind Block Island LLC	IPP	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	30.0

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	Status	Nameplate Capacity (MW)
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STA	40.0	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STB	40.0	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Allegany Wind Farm	NY	58779	1	72.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	72.5
2016	12	58672	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY	58777	1	125.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	125.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Coyote Crest Wind Farm	WA	58778	1	126.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	126.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Scioto Ridge Wind Farm	OH	58780	1	300.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	300.0
2016	12	59155	First Wind O&M, LLC	IPP	Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	48.0
2016	12	59155	First Wind O&M, LLC	IPP	Milford Wind Corridor Phase III	UT	57546	1	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	59155	First Wind O&M, LLC	IPP	Mililani South PV	HI	58281	1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	432.0
2016	12	58623	Grande Prairie Wind, LLC	IPP	Grande Prairie Wind Farm	NE	58695	1	400.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2016	12	58695	Heliosage LLC	IPP	Fusion Solar Center LLC	CT	58876	PV	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	56946	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57617	GEN1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	12	57278	Hidden Hills Solar II LLC	IPP	Hidden Hills Solar Plant 2	CA	57906	1	250.0	Solar Thermal without Energy Storage	SUN	ST	(L) Regulatory approvals pending. Not under construction	250.0
2016	12	15399	Iberdrola Renewables Inc	IPP	Dolan Springs	AZ	57920	1	300.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	300.0
2016	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	298.0
2016	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	143.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	143.0
2016	12	50123	Infigen Asset Management LLC	IPP	Aragonne Solar LLC	NM	59252	PV1	38.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	12	50123	Infigen Asset Management LLC	IPP	Caprock Solar LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2016	12	50123	Infigen Asset Management LLC	IPP	Rio Bravo Solar II LLC	CA	59250	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58688	Kelly Energy LLC	IPP	Kelly	PA	58817	GEN1	3.0	Other Natural Gas	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	58688	Kelly Energy LLC	IPP	Kelly	PA	58817	GEN2	3.0	Other Natural Gas	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	GTG1	37.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	50.0
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	STG1	18.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	30.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	3	232.0	Solar Thermal without Energy Storage	SUN	ST	(P) Planned for installation, but regulatory approvals not initiated	273.4
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	A	125.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	125.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	B	125.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	125.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	125.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	D	110.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	110.0
2016	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	ME	57612	GEN1	250.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2016	12	56676	Panoche Valley Solar LLC	IPP	Panoche Valley Solar Farm	CA	57340	1	399.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	399.0
2016	12	56545	Pattern Operators LP	IPP	Majestic 2 Wind Farm	TX	56658	1	79.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	79.2
2016	12	56545	Pattern Operators LP	IPP	Texas Gulf Wind 2	TX	56662	1	187.2	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	187.2
2016	12	58626	Paynesville Wind, LLC	IPP	Paynesville Wind Farm	MN	58693	1	95.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	95.0
2016	12	58843	Searchlight Wind Energy LLC	IPP	Searchlight Wind	NV	58988	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016	12	58579	Silverado Power	IPP	Western Antelope Dry Ranch	CA	58627	WADR	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2016	12	57331	Soitec Solar Development LLC	IPP	LanEast Solar Farm LLC	CA	57957	1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	57331	Soitec Solar Development LLC	IPP	LanWest Solar Farm LLC	CA	57958	1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	57331	Soitec Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	57331	Soitec Solar Development LLC	IPP	Tierra Del Sol Solar Farm LLC	CA	57961	1	45.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	45.0
2016	12	59080	Soleil Energy Solutions, LLC	IPP	Westside Solar Farm	NC	59258	WEST1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2016	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	28.0
2016	12	59056	Tri Global Energy, LLC	IPP	Hale Community Wind Farm	TX	59247	HALE2	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	49.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	49.9
2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS51	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016	12	19316	Two Elk Generation Partners LP	IPP	Two Elk Generating Station	WY	55360	GEN1	275.0	Conventional Steam Coal	WC	ST	(U) Under construction, less than or equal to 50 percent complete	320.0
2016	12	58624	Walnut Ridge Wind, LLC	IPP	Walnut Ridge Wind Farm	IL	58694	1	210.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	210.0
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	(L) Regulatory approvals pending. Not under construction	172.0
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	(L) Regulatory approvals pending. Not under construction	172.0
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	18454	Tampa Electric Co	Electric Utility	Polk	FL	7242	2CC	459.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	463.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	255.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG2	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	STGEN	316.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	316.0
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5501	3.0	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	3.0
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5502	1.3	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	1.3
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5511	1.7	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	1.7
2017	3	59155	First Wind O&M, LLC	IPP	Bingham Wind	ME	57531	1	186.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	186.0
2017	3	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	5CTG	176.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.9
2017	3	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	2	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
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	(P) Planned for installation, but regulatory approvals not initiated	170.0
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	(P) Planned for installation, but regulatory approvals not initiated	170.0
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	(P) Planned for installation, but regulatory approvals not initiated	390.0
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3CT	324.6	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	365.5
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3ST	191.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	204.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN1	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN3	314.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	338.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	GT1	207.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	GT2	207.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	STG1	230.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	230.0
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CC1	646.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	870.0
2017	5	59111	Crawford Renewable Energy, LLC	IPP	Crawford Renewable Energy - Meadville Power Station	PA	59307	MPS	93.5	All Other	TDF	ST	(U) Under construction, less than or equal to 50 percent complete	99.5
2017	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2017	5	58597	Enivromission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN2	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2017	5	59101	NTE Texas, LLC	IPP	Pecan Creek Energy Center	TX	59298	PCEC1	250.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point	MD	59220	CT1		Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point	MD	59220	CT2		Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point	MD	59220	ST1		Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	493.0
2017	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.0
2017	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	305.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	350.0
2017	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	48.0
2017	6	58959	Freeport LNG Development L.P	Industrial	Freeport LP Pretreatment Facility	TX	59145	65GTG	77.5	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	97.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	5	340.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	340.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	6	340.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	340.0
2017	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2017	6	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	4	244.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	281.0
2017	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G401	200.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	259.0
2017	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G501	200.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	259.0
2017	6	58960	Timberline Energy LLC	IPP	Front Range Project	CO	59143	FR-2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2017	7	58758	CPV Smyth Generation Company LLC	IPP	CPV Smyth Generation Company LLC	VA	58878	1	653.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	782.0
2017	7	58409	Future Power PA	IPP	Good Spring NGCC	PA	58409	GT1	335.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	346.0
2017	7	58762	Sargas Texas, LLC	IPP	Stargate Point Comfort	TX	58895	STAR1	232.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	250.0
2017	7	58878	Watkins Glen Wind LLC	IPP	Watkins Glen Wind Energy Center	NY	59041	WGWEC	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2017	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN7	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6

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	Status	Nameplate Capacity (MW)
2017	8	58768	Pondera Development LLC	IPP	CPV Pondera King Energy Center	TX	58910	CC	836.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	900.0
2017	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	56.9
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	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	(L) Regulatory approvals pending. Not under construction	34.0
2017	11	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT3	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Mahoney Lake Hydroelectric	AK	59027	GEN 1	9.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	9.6
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Reynolds Creek	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	5.0
2017	12	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT4	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT3	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT4	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
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	(L) Regulatory approvals pending. Not under construction	181.0
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	(L) Regulatory approvals pending. Not under construction	181.0
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	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Conventional Steam Coal	BIT	ST	(P) Planned for installation, but regulatory approvals not initiated	350.0
2017	12	56949	Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	49.0
2017	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A	687.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	687.0
2017	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN 1	98.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	98.0
2018	1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.0
2018	1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.5
2018	1	58763	LotusWorks-Summit Ridge I, LLC	IPP	Summit Ridge I Wind Farm	OR	58894	SRWF	151.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	151.8
2018	2	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT5	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	3	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT6	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	3	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.0
2018	3	58757	Wheelabrator Frederick, LLC	IPP	Frederick-Carroll County Renewable Waste to Energy Facility	MD	58875	GEN1	47.0	Municipal Solid Waste	MSW	ST	(T) Regulatory approvals received. Not under construction	56.0
2018	4	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT7	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	5	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.0
2018	5	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	475.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	475.0
2018	5	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	525.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	525.0
2018	5	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2018	6	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	210.0
2018	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	1	1.5	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.5
2018	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	2	1.5	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.5
2018	6	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2018	6	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2018	6	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2018	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2018	6	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN5	17.0	Conventional Steam Coal	SUB	ST	(P) Planned for installation, but regulatory approvals not initiated	17.0
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	187.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1	64.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	64.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.0
2018	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	(T) Regulatory approvals received. Not under construction	93.0
2018	9	56266	Green Gas Americas, Inc.	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LFG6	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 6	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 9	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC10	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC11	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
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	(P) Planned for installation, but regulatory approvals not initiated	40.0
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	(P) Planned for installation, but regulatory approvals not initiated	40.0
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-1	47.2	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-2	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-3	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-4	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-5	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-6	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-1	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-2	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A	3.0	Other Gases	OG	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-B	813.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	813.0
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	(P) Planned for installation, but regulatory approvals not initiated	42.3
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	(P) Planned for installation, but regulatory approvals not initiated	180.0
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2019	9	59142	Hydrogen Energy California, LLC	Electric CHP	Hydrogen Energy California LLC	CA	59372	HECA1	413.0	Coal Integrated Gasification Combined Cycle	SGC	CS	(L) Regulatory approvals pending. Not under construction	421.0
2019	12	14354	PacifiCorp	Electric Utility	Blundell	UT	299	3	35.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	30.0
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5	42.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	2	190.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2020	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4	0.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	0.8
2020	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	49.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	55.0
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	49.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	55.0
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	209.5
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.8
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0
2021	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST	(T) Regulatory approvals received. Not under construction	850.0
2021	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-B	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0
2022	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2023	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0

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.

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	12	5956	Entergy Nuclear Vermont Yankee	IPP	Vermont Yankee	VT	3751	1	604.3	Nuclear	NUC	ST
2014	12	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	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	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	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST2	83.0	Other Natural Gas	NG	ST
2014	12	17698	Southwestern Electric Power Co	Electric Utility	Lieberman	LA	1417	1	25.0	Other Natural Gas	NG	ST
2014	12	34389	WindPower Partners, 1994, L.P.	IPP	West Texas Windplant	TX	54966	WIND	30.0	Onshore Wind Turbine	WND	WT
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	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	1	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	2	3.0	Natural Gas Fired Combined Cycle	NG	CA
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	57450	Martin Midstream Partnership,LP	Industrial	Cross Oil Refining & Marketing, Inc	AR	58077	CROSS	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 2	0.5	Conventional Steam Coal	BIT	ST
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 3	0.6	Conventional Steam Coal	BIT	ST
2015	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2015	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2015	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2015	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2015	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	1	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	2	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	3	74.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	4	75.0	Conventional Steam Coal	BIT	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	1	266.0	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	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2015	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2015	4	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	3	251.0	Conventional Steam Coal	SUB	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	4	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST
2015	5	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Other Natural Gas	NG	IC
2015	5	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC3	1.9	Other Natural Gas	NG	IC
2015	5	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	5	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC5	1.4	Other Natural Gas	NG	IC
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2015	5	12647	Minnesota Power Inc	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
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
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	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	124	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	58544	Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0	Other Natural Gas	NG	FC
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
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	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	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

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	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	2	800.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergen Generating Station	NJ	2398	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.0	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	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	43.0	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	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.0	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	6	105.0	Petroleum Liquids	KER	GT
2015	6	15478	PSEG Nuclear LLC	IPP	PSEG Salem Generating Station	NJ	2410	3	38.4	Petroleum Liquids	DFO	GT
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2015	6	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Pulliam	WI	4072	5	47.7	Conventional Steam Coal	SUB	ST
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Pulliam	WI	4072	6	69.8	Conventional Steam Coal	SUB	ST
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Weston	WI	4078	1	50.7	Conventional Steam Coal	SUB	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	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN1	4.0	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN2	4.0	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN3	7.5	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN4	7.5	Wood/Wood Waste Biomass	BLQ	ST
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	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	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2015	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	76.0	Other Natural Gas	NG	ST
2015	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	3	7.5	Petroleum Liquids	RFO	ST
2015	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	4	7.5	Petroleum Liquids	RFO	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	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
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	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	47.2	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	1	103.1	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	2	103.1	Conventional Steam Coal	SUB	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	1	19.0	Conventional Steam Coal	BIT	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	2	19.0	Conventional Steam Coal	BIT	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	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	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	1	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	3	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	4	178.0	Conventional Steam Coal	BIT	ST
2016	4	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2	260.0	Conventional Steam Coal	SUB	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	6	318.0	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

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
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
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	George Neal North	IA	1091	2	283.7	Conventional Steam Coal	SUB	ST
2016	4	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U3J98	1.0	Landfill Gas	LFG	IC
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	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2016	7	7140	Georgia Power Co	Electric Utility	Mitchell (GA)	GA	727	3	155.0	Conventional Steam Coal	BIT	ST
2016	8	14534	City of Pasadena - (CA)	Electric Utility	Broadway (CA)	CA	420	B3	71.0	Other Natural Gas	NG	ST
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	8	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	1	11.5	Other Natural Gas	NG	ST
2016	8	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Other Natural Gas	NG	ST
2016	9	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U2J02	1.0	Landfill Gas	LFG	IC
2016	11	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	1TG	10.5	Wood/Wood Waste Biomass	BLQ	ST
2016	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2016	12	4045	City of Columbia - (MO)	Electric Utility	Columbia (MO)	MO	2123	5	16.5	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)	IA	1104	GT1	16.5	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	13.9	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	15.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	16.1	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.9	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	24.7	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	27.3	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	3	30.9	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	35.9	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC2	1.4	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	12.8	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	79.1	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	19.4	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	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.7	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	82.0	Other Natural Gas	NG	ST
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENCI	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	15908	NRG California South LP	IPP	Coolwater	CA	329	1	63.0	Other Natural Gas	NG	ST
2016	12	15908	NRG California South LP	IPP	Coolwater	CA	329	2	82.0	Other Natural Gas	NG	ST
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	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	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Other Natural Gas	NG	ST
2017	5	12628	NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST1	331.0	Conventional Steam Coal	BIT	ST
2017	5	12628	NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST2	336.0	Conventional Steam Coal	BIT	ST
2017	5	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	568	4	16.0	Petroleum Liquids	KER	GT
2017	6	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN2	32.0	Conventional Steam Coal	BIT	ST
2017	6	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN3	114.0	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	1	239.3	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	2	238.9	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	3	605.3	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	4	435.0	Petroleum Liquids	RFO	ST
2017	6	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	CTG1	19.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	6	18642	Tennessee Valley Authority	Electric Utility	Paradise	KY	1378	1	628.0	Conventional Steam Coal	BIT	ST
2017	6	18642	Tennessee Valley Authority	Electric Utility	Paradise	KY	1378	2	602.0	Conventional Steam Coal	BIT	ST
2017	10	5677	EQ-Waste Energy Services Inc	Electric CHP	EQ Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2017	10	5677	EQ-Waste Energy Services Inc	Electric CHP	EQ Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10	5677	EQ-Waste Energy Services Inc	Electric CHP	EQ Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2017	10	5677	EQ-Waste Energy Services Inc	Electric CHP	EQ Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
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	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
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	257.0	Conventional Steam Coal	BIT	ST
2017	12	59099	New Dimension Energy Company, LLC	IPP	Altamont Midway Ltd	CA	50001	WTGS	10.9	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Altech	CA	50818	GEN1	10.5	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Santa Clara (85C)	CA	50534	WGNS	18.0	Onshore Wind Turbine	WND	WT
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	1	52.0	Other Natural Gas	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	2	52.0	Other Natural Gas	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	3	117.0	Other Natural Gas	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	4	250.0	Other Natural Gas	NG	ST
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY

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	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	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	1	0.6	Petroleum Liquids	DFO	IC
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	4	0.5	Petroleum Liquids	DFO	IC
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	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	29.0	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	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2	179.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3	179.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	179.0	Conventional Steam Coal	BIT	ST
2018	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-01	52.5	Petroleum Liquids	KER	GT
2018	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Other Natural Gas	NG	ST
2018	12	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	4	510.0	Conventional Steam Coal	SUB	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMeekin	SC	3287	1	125.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMeekin	SC	3287	2	125.0	Conventional Steam Coal	BIT	ST
2018	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	4	297.1	Conventional Steam Coal	SUB	ST
2019	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Lake Road (MO)	MO	2098	4	96.3	Conventional Steam Coal	SUB	ST
2019	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	47.7	Conventional Steam Coal	SUB	ST
2019	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	50.6	Conventional Steam Coal	SUB	ST
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
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Other Natural Gas	NG	ST
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Other Natural Gas	NG	ST
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Other Natural Gas	NG	ST
2019	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	1	38.0	Other Natural Gas	NG	ST
2019	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	2	90.0	Other Natural Gas	NG	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	15908	NRG California South LP	IPP	Coolwater	CA	329	30	99.0	Natural Gas Fired Combined Cycle	NG	CA
2020	12	15908	NRG California South LP	IPP	Coolwater	CA	329	31	73.0	Natural Gas Fired Combined Cycle	NG	CT
2020	12	15908	NRG California South LP	IPP	Coolwater	CA	329	32	73.0	Natural Gas Fired Combined Cycle	NG	CT
2020	12	15908	NRG California South LP	IPP	Coolwater	CA	329	40	99.0	Natural Gas Fired Combined Cycle	NG	CA
2020	12	15908	NRG California South LP	IPP	Coolwater	CA	329	41	73.5	Natural Gas Fired Combined Cycle	NG	CT
2020	12	15908	NRG California South LP	IPP	Coolwater	CA	329	42	73.5	Natural Gas Fired Combined Cycle	NG	CT
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	2	58.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	3	80.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D1	0.2	Petroleum Liquids	DFO	IC
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D2	0.1	Petroleum Liquids	DFO	IC
2020	12	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2020	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	2	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	3	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	1	107.0	Other Natural Gas	NG	ST
2020	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	3	93.0	Other Natural Gas	NG	ST
2020	12	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	1	670.0	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	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	2	164.0	Conventional Steam Coal	SUB	ST
2021	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	176.0	Conventional Steam Coal	SUB	ST
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	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
2022	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	BIT	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	1	71.0	Other Natural Gas	NG	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	2	106.0	Other Natural Gas	NG	ST
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY1	0.7	Conventional Hydroelectric	WAT	HY
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2	0.7	Conventional Hydroelectric	WAT	HY
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	169.0	Other Natural Gas	NG	ST
2034	4	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2034	10	58976	Clenera Renewable Energy LLC	IPP	Lancaster Solar 2	CA	59169	LS2	1.5	Solar Photovoltaic	SUN	PV
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG2	160.0	Natural Gas Fired Combined Cycle	NG	CT
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	STG1	140.0	Natural Gas Fired Combined Cycle	NG	CA

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.

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2008-November 2014

	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%
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%
2014								
January	70.6%	45.7%	6.2%	9.4%	16.7%	19.0%	3.6%	7.0%
February	71.2%	41.2%	4.0%	8.6%	22.2%	12.2%	0.8%	6.0%
March	61.2%	38.5%	4.2%	6.8%	16.3%	13.7%	1.1%	5.5%
April	50.6%	39.2%	3.2%	6.8%	21.7%	9.5%	0.5%	4.7%
May	53.9%	43.8%	4.5%	9.4%	20.4%	10.6%	0.6%	9.3%
June	64.3%	50.1%	4.8%	11.0%	16.9%	15.0%	0.9%	7.0%
July	67.9%	56.6%	5.4%	14.6%	23.7%	16.2%	1.1%	8.7%
August	67.5%	60.6%	6.1%	16.1%	29.2%	15.3%	1.5%	8.3%
Sept	59.5%	55.1%	5.3%	12.2%	22.8%	13.7%	0.8%	8.0%
October	50.9%	48.4%	4.7%	10.3%	22.2%	9.7%	0.8%	6.5%
November	56.1%	42.9%	4.1%	7.7%	23.7%	7.5%	1.0%	6.4%

Values for 2012 and prior years are final. Values for 2013 and 2014 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-November 2014

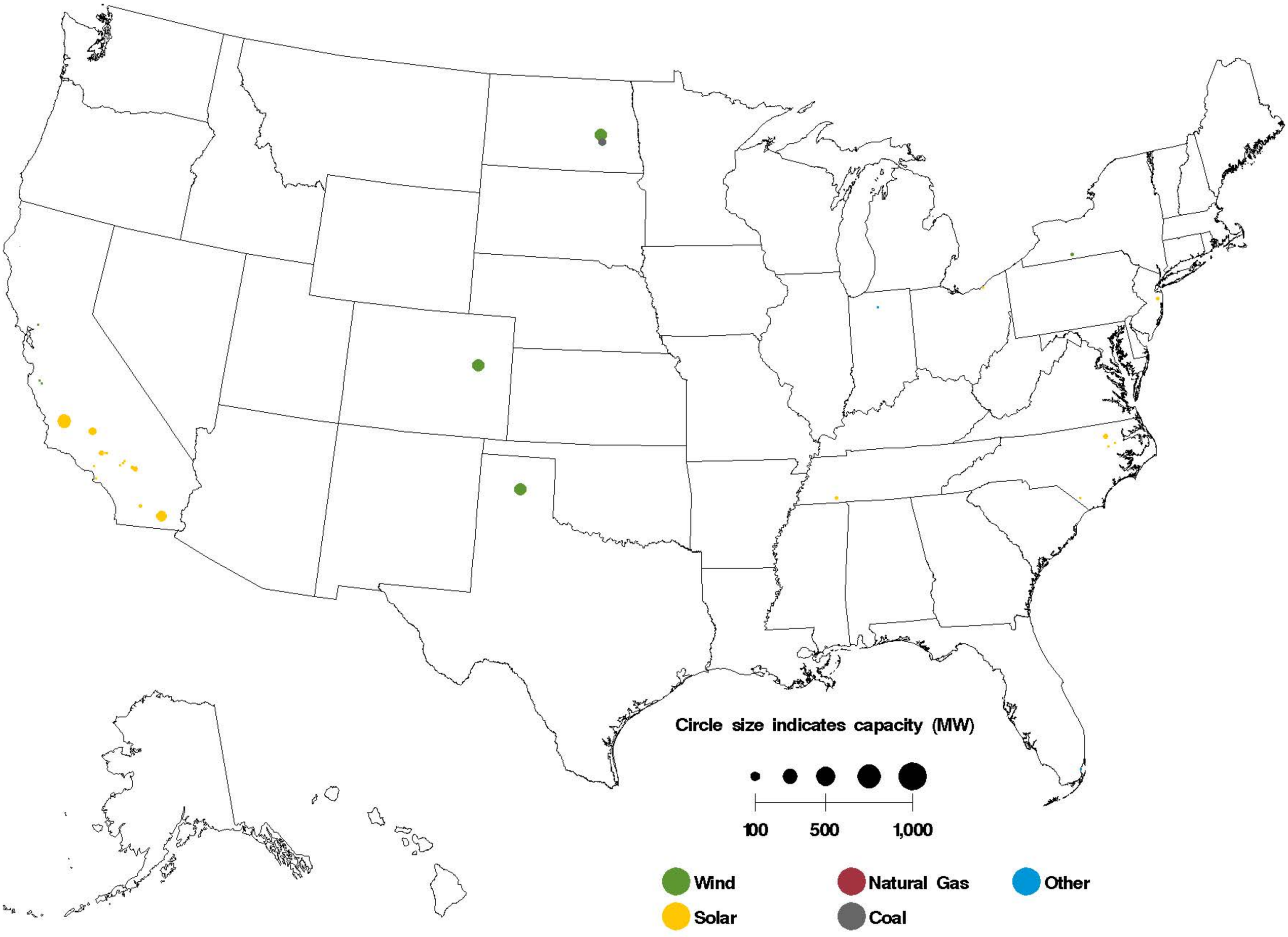
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2008	91.1%	37.2%	31.7%	NA	NA	69.9%	66.5%	74.7%
2009	90.3%	39.6%	28.1%	NA	NA	70.2%	62.1%	73.3%
2010	91.1%	37.6%	29.8%	NA	NA	70.8%	57.8%	71.9%
2011	89.1%	45.9%	32.1%	NA	NA	70.0%	56.3%	71.8%
2012	86.1%	39.6%	31.8%	NA	NA	68.0%	57.3%	68.2%
2013	90.1%	38.1%	32.3%	NA	NA	69.6%	50.8%	66.0%
2012								
January	95.8%	39.0%	39.0%	NA	NA	65.8%	60.1%	67.4%
February	90.3%	36.6%	33.5%	NA	NA	66.0%	60.1%	68.2%
March	81.7%	43.8%	39.0%	NA	NA	65.9%	55.1%	66.9%
April	76.4%	46.0%	36.5%	NA	NA	66.7%	47.5%	67.6%
May	82.1%	48.5%	34.5%	NA	NA	68.1%	51.7%	67.7%
June	89.0%	46.7%	33.6%	NA	NA	69.9%	59.8%	67.6%
July	91.3%	45.0%	23.6%	NA	NA	70.8%	61.6%	67.7%
August	91.8%	38.9%	22.4%	NA	NA	68.7%	63.2%	66.8%
Sept	88.0%	30.8%	23.8%	NA	NA	67.7%	59.4%	68.9%
October	78.8%	27.9%	32.6%	NA	NA	67.3%	54.1%	68.1%
November	77.3%	32.6%	30.0%	NA	NA	68.7%	57.1%	70.8%
December	90.5%	38.8%	34.1%	NA	NA	70.7%	57.7%	70.6%
2013								
January	94.2%	41.9%	33.2%	NA	NA	65.8%	53.1%	69.1%
February	90.5%	37.4%	34.9%	NA	NA	64.0%	51.8%	68.5%
March	83.6%	34.2%	35.5%	NA	NA	69.8%	52.2%	69.0%
April	77.7%	43.0%	40.4%	NA	NA	69.6%	34.4%	66.1%
May	83.4%	47.8%	36.9%	NA	NA	73.4%	46.9%	64.7%
June	93.2%	47.3%	32.3%	NA	NA	74.4%	48.9%	65.0%
July	95.8%	45.2%	25.3%	NA	NA	73.1%	53.1%	66.0%
August	96.9%	36.0%	21.8%	NA	NA	70.7%	61.0%	64.9%
Sept	92.3%	29.0%	27.5%	NA	NA	69.1%	54.2%	66.2%
October	85.8%	28.9%	31.2%	NA	NA	67.3%	48.9%	67.2%
November	91.2%	30.7%	37.1%	NA	NA	68.3%	52.8%	61.1%
December	96.7%	35.2%	31.6%	NA	NA	69.9%	51.5%	65.0%
2014								
January	99.2%	35.6%	40.1%	NA	NA	63.5%	55.1%	62.8%
February	94.1%	32.1%	34.3%	NA	NA	61.4%	53.7%	62.2%
March	84.6%	41.4%	39.4%	NA	NA	69.2%	50.5%	62.4%
April	79.0%	44.2%	43.0%	NA	NA	68.9%	37.9%	63.6%
May	85.4%	45.2%	34.3%	NA	NA	71.2%	42.2%	62.8%
June	95.6%	46.0%	35.8%	NA	NA	70.4%	54.2%	63.5%
July	97.5%	41.5%	26.5%	NA	NA	72.7%	55.5%	62.0%
August	96.4%	34.0%	22.4%	33.0%	25.0%	72.3%	59.0%	65.7%
Sept	94.5%	28.1%	26.0%	33.1%	25.9%	69.7%	51.6%	67.0%
October	84.5%	29.0%	31.5%	28.4%	20.8%	68.4%	51.2%	69.1%
November	91.2%	33.0%	42.3%	23.3%	13.1%	71.4%	54.1%	72.2%

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. NA = Not Available

Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.

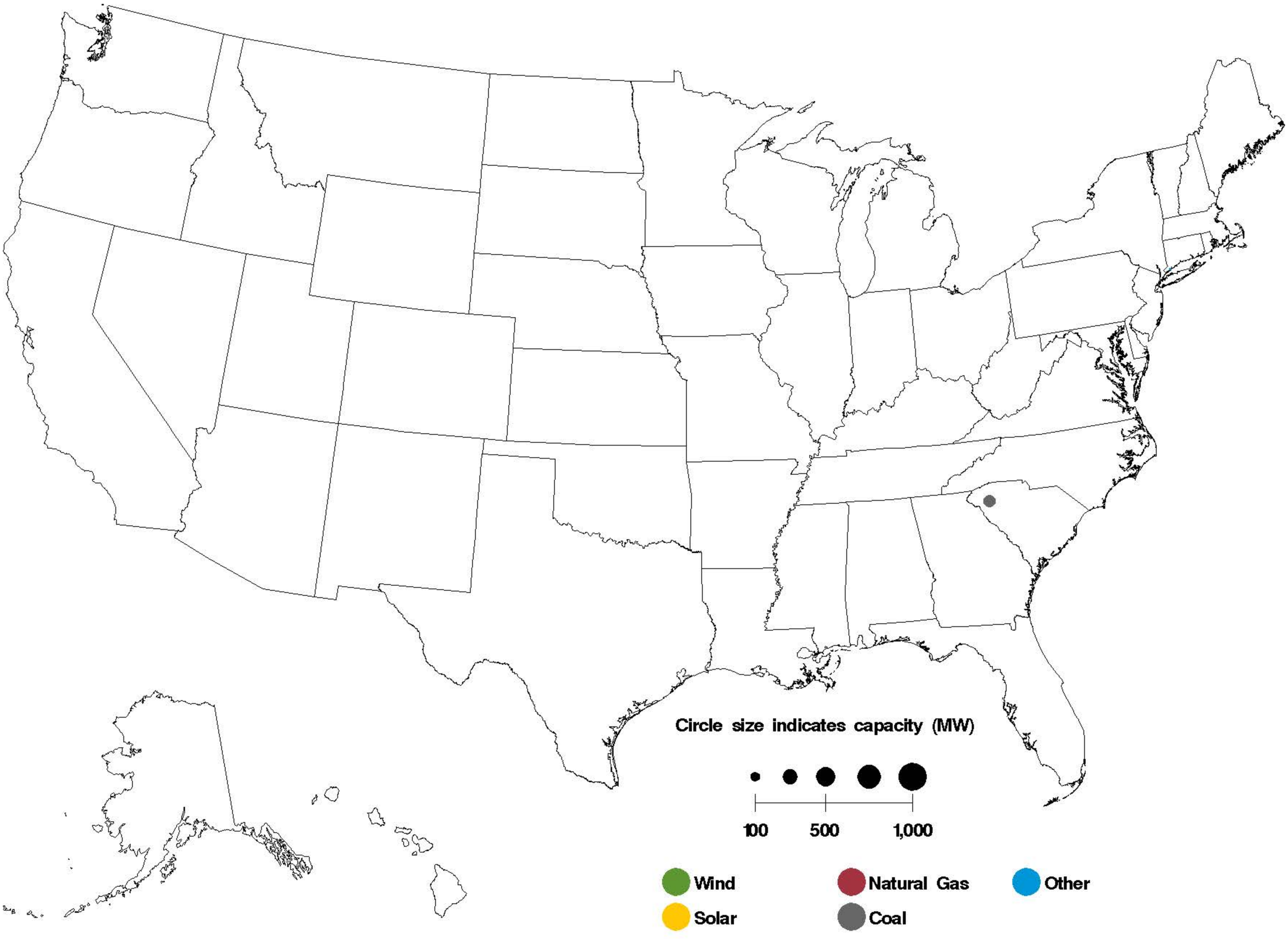
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility Scale Generating Units Added in November 2014



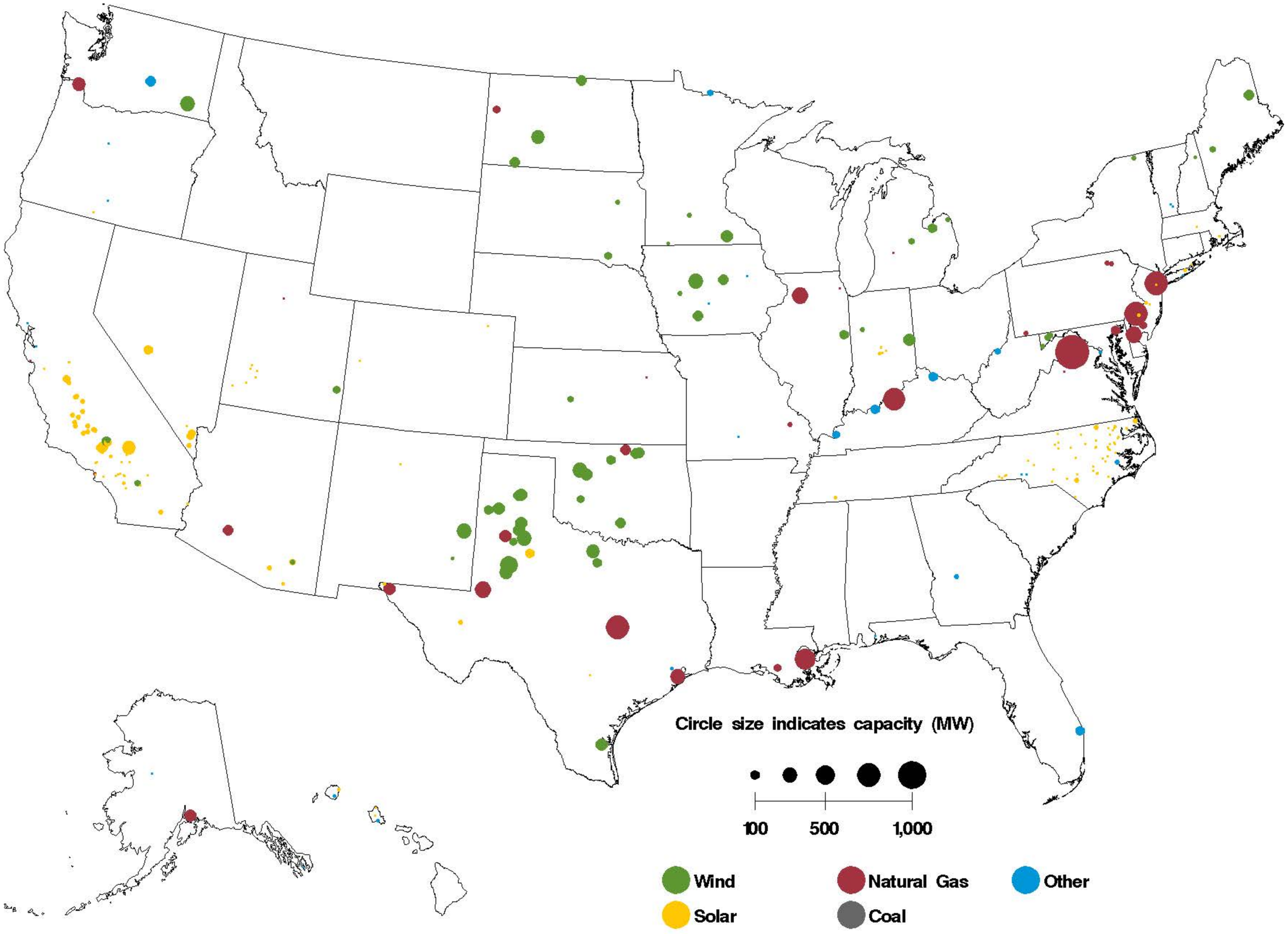
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in November 2014



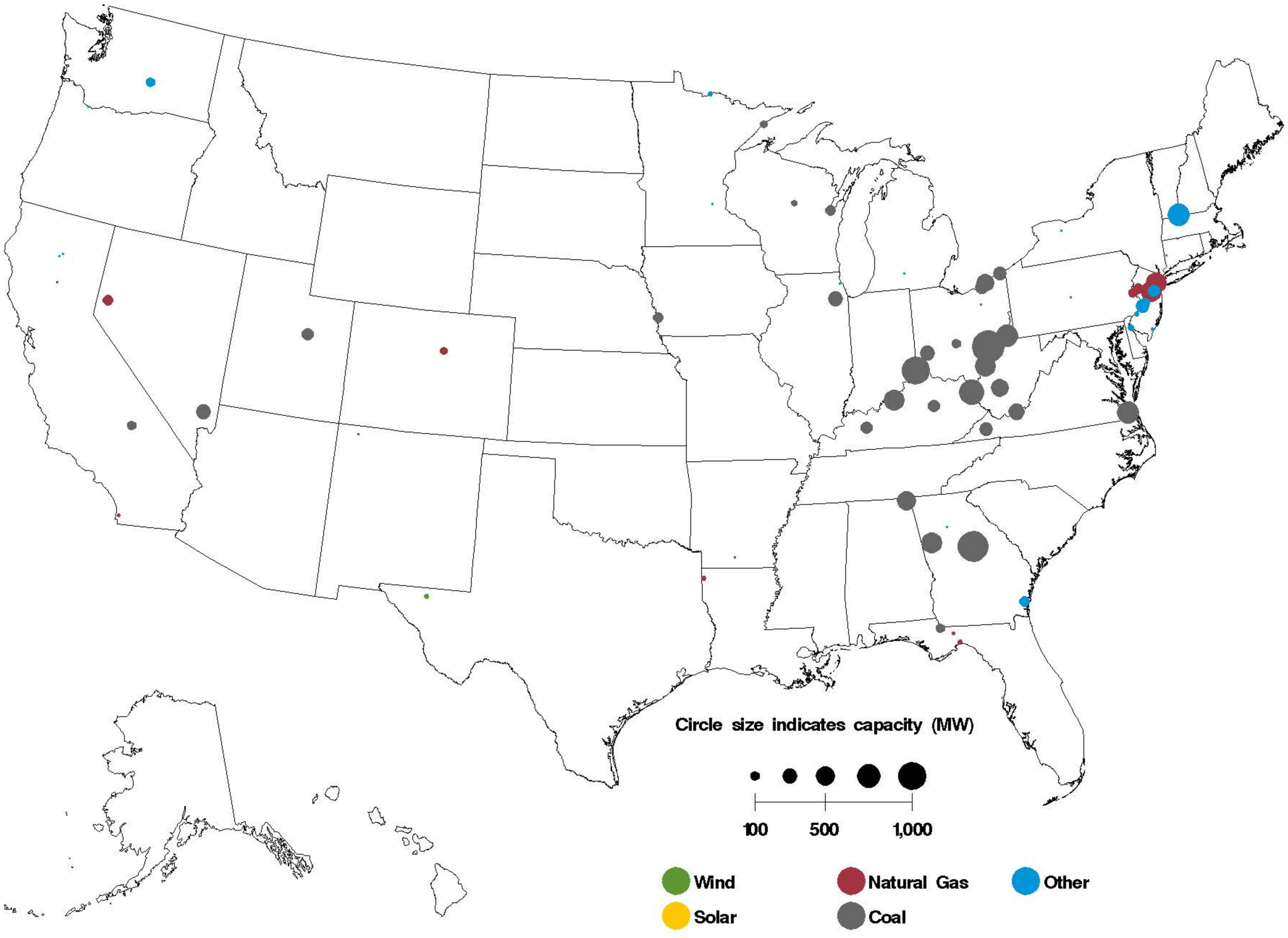
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from December 2014 to November 2015



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 December 2014 to November 2015



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, November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**43**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	48	0	2	0	0	54
Maine	0	15	0	5	0	0	13
Massachusetts	1	106	0	4	0	0	28
New Hampshire	0	31	0	2	0	0	21
Rhode Island	0	36	0	2	0	0	458
Vermont	0	205	0	0	0	0	29
Middle Atlantic	**2**	**10**	**113**	**1**	**7**	**0**	**3**
New Jersey	0	24	270	2	0	0	335
New York	13	10	0	3	0	0	2
Pennsylvania	2	20	124	1	7	0	19
East North Central	**0**	**3**	**6**	**1**	**4**	**0**	**16**
Illinois	0	3	0	6	22	0	70
Indiana	1	3	0	2	5	0	16
Michigan	2	5	15	6	0	0	33
Ohio	1	3	6	1	14	0	35
Wisconsin	0	16	0	4	0	0	29
West North Central	**1**	**8**	**0**	**7**	**61**	**0**	**4**
Iowa	2	12	0	27	0	0	45
Kansas	0	24	0	25	0	0	286
Minnesota	3	63	0	10	0	0	56
Missouri	1	3	0	10	0	0	18
Nebraska	2	13	0	24	0	0	34
North Dakota	3	51	0	202	61	0	0
South Dakota	0	50	0	36	0	0	1
South Atlantic	**0**	**3**	**0**	**1**	**0**	**0**	**7**
Delaware	0	203	0	1	0	0	0
District of Columbia	0	0	0	142	0	0	0
Florida	1	9	0	1	0	0	77
Georgia	0	5	0	1	0	0	13
Maryland	7	21	0	17	0	0	60
North Carolina	1	7	0	1	0	0	10
South Carolina	0	21	0	3	0	0	20
Virginia	1	2	0	1	0	0	28
West Virginia	0	0	0	3	0	0	15
East South Central	**1**	**7**	**0**	**1**	**13**	**0**	**3**
Alabama	1	20	0	1	14	0	4
Kentucky	1	4	0	7	0	0	5
Mississippi	0	10	0	1	0	0	0
Tennessee	0	5	0	2	0	0	5
West South Central	**0**	**4**	**6**	**1**	**3**	**0**	**10**
Arkansas	0	0	0	2	0	0	14
Louisiana	0	1	6	1	3	0	0
Oklahoma	1	10	0	1	0	0	21
Texas	0	8	48	1	3	0	41
Mountain	**1**	**11**	**0**	**1**	**4**	**0**	**4**
Arizona	0	2	0	1	0	0	2
Colorado	0	120	0	2	0	0	35
Idaho	72	621	0	3	0	0	10
Montana	5	73	0	140	0	0	5
Nevada	0	1	0	2	0	0	4
New Mexico	0	15	0	6	0	0	75
Utah	2	12	0	5	276	0	42
Wyoming	2	68	0	31	3	0	30
Pacific Contiguous	**1**	**172**	**449**	**2**	**5**	**0**	**1**
California	21	242	449	2	6	0	7
Oregon	0	0	0	1	0	0	2
Washington	0	77	0	4	0	0	1
Pacific Noncontiguous	**5**	**6**	**0**	**14**	**72**	**0**	**18**
Alaska	16	5	0	14	237	0	18
Hawaii	3	6	0	0	75	0	78
U.S. Total	**0**	**5**	**5**	**0**	**2**	**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, November 2014 (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**	**17**	**2**	**0**	**4**	**1**
Connecticut	0	0	0	114	5	0	6	1
Maine	0	0	0	0	2	0	13	4
Massachusetts	0	0	0	18	6	0	5	2
New Hampshire	0	0	0	0	6	0	33	1
Rhode Island	0	0	0	97	9	0	0	2
Vermont	0	0	0	66	8	0	0	5
Middle Atlantic	**0**	**0**	**0**	**16**	**2**	**0**	**4**	**1**
New Jersey	0	0	0	18	8	0	6	1
New York	0	0	0	28	2	0	7	1
Pennsylvania	0	0	0	52	3	0	5	1
East North Central	**0**	**0**	**0**	**24**	**1**	**0**	**7**	**0**
Illinois	0	0	0	50	1	0	25	0
Indiana	0	0	0	31	1	0	3	1
Michigan	0	0	0	0	3	0	9	1
Ohio	0	0	0	57	4	0	0	1
Wisconsin	0	0	0	0	5	0	36	1
West North Central	**0**	**0**	**0**	**83**	**0**	**0**	**11**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	195	2	0	11	2
Missouri	0	0	0	92	2	0	0	1
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	2	0	37	2
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**10**	**2**	**0**	**3**	**0**
Delaware	0	0	0	56	30	0	0	1
District of Columbia	0	0	0	0	0	0	0	142
Florida	0	0	0	17	5	0	4	1
Georgia	0	0	0	25	6	0	55	0
Maryland	0	0	0	32	4	0	1	3
North Carolina	0	0	0	13	7	0	30	0
South Carolina	0	0	0	161	2	0	0	0
Virginia	0	0	0	0	4	0	6	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**47**	**7**	**0**	**4**	**0**
Alabama	0	0	0	0	11	0	0	1
Kentucky	0	0	0	0	7	0	0	1
Mississippi	0	0	0	0	8	0	713	0
Tennessee	0	0	0	47	17	0	0	1
West South Central	**0**	**0**	**0**	**17**	**1**	**0**	**9**	**0**
Arkansas	0	0	0	0	6	0	0	0
Louisiana	0	0	0	0	11	0	9	1
Oklahoma	0	0	0	0	1	0	86	1
Texas	0	0	0	17	1	0	14	0
Mountain	**0**	**4**	**0**	**3**	**1**	**0**	**7**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	19	1	0	50	1
Idaho	0	31	0	0	5	0	0	5
Montana	0	0	0	0	3	0	0	4
Nevada	0	5	0	4	3	0	79	1
New Mexico	0	170	0	14	3	0	0	2
Utah	0	5	0	223	4	0	186	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**2**	**1**	**0**	**9**	**1**
California	0	2	0	2	2	0	10	1
Oregon	0	0	0	80	2	0	41	1
Washington	0	0	0	0	2	0	17	1
Pacific Noncontiguous	**0**	**0**	**0**	**46**	**8**	**0**	**0**	**4**
Alaska	0	0	0	0	36	0	0	9
Hawaii	0	0	0	46	7	0	0	4
U.S. Total	**0**	**2**	**0**	**2**	**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 November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**43**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	48	0	2	0	0	54
Maine	0	15	0	5	0	0	13
Massachusetts	1	106	0	4	0	0	28
New Hampshire	0	31	0	2	0	0	21
Rhode Island	0	36	0	2	0	0	458
Vermont	0	205	0	0	0	0	29
Middle Atlantic	**2**	**10**	**113**	**1**	**7**	**0**	**3**
New Jersey	0	24	270	2	0	0	335
New York	13	10	0	3	0	0	2
Pennsylvania	2	20	124	1	7	0	19
East North Central	**0**	**3**	**6**	**1**	**4**	**0**	**16**
Illinois	0	3	0	6	22	0	70
Indiana	1	3	0	2	5	0	16
Michigan	2	5	15	6	0	0	33
Ohio	1	3	6	1	14	0	35
Wisconsin	0	16	0	4	0	0	29
West North Central	**1**	**8**	**0**	**7**	**61**	**0**	**4**
Iowa	2	12	0	27	0	0	45
Kansas	0	24	0	25	0	0	286
Minnesota	3	63	0	10	0	0	56
Missouri	1	3	0	10	0	0	18
Nebraska	2	13	0	24	0	0	34
North Dakota	3	51	0	202	61	0	0
South Dakota	0	50	0	36	0	0	1
South Atlantic	**0**	**3**	**0**	**1**	**0**	**0**	**7**
Delaware	0	203	0	1	0	0	0
District of Columbia	0	0	0	142	0	0	0
Florida	1	9	0	1	0	0	77
Georgia	0	5	0	1	0	0	13
Maryland	7	21	0	17	0	0	60
North Carolina	1	7	0	1	0	0	10
South Carolina	0	21	0	3	0	0	20
Virginia	1	2	0	1	0	0	28
West Virginia	0	0	0	3	0	0	15
East South Central	**1**	**7**	**0**	**1**	**13**	**0**	**3**
Alabama	1	20	0	1	14	0	4
Kentucky	1	4	0	7	0	0	5
Mississippi	0	10	0	1	0	0	0
Tennessee	0	5	0	2	0	0	5
West South Central	**0**	**4**	**6**	**1**	**3**	**0**	**10**
Arkansas	0	0	0	2	0	0	14
Louisiana	0	1	6	1	3	0	0
Oklahoma	1	10	0	1	0	0	21
Texas	0	8	48	1	3	0	41
Mountain	**1**	**11**	**0**	**1**	**4**	**0**	**4**
Arizona	0	2	0	1	0	0	2
Colorado	0	120	0	2	0	0	35
Idaho	72	621	0	3	0	0	10
Montana	5	73	0	140	0	0	5
Nevada	0	1	0	2	0	0	4
New Mexico	0	15	0	6	0	0	75
Utah	2	12	0	5	276	0	42
Wyoming	2	68	0	31	3	0	30
Pacific Contiguous	**1**	**172**	**449**	**2**	**5**	**0**	**1**
California	21	242	449	2	6	0	7
Oregon	0	0	0	1	0	0	2
Washington	0	77	0	4	0	0	1
Pacific Noncontiguous	**5**	**6**	**0**	**14**	**72**	**0**	**18**
Alaska	16	5	0	14	237	0	18
Hawaii	3	6	0	0	75	0	78
U.S. Total	**0**	**5**	**5**	**0**	**2**	**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 November 2014 (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**	**17**	**2**	**0**	**4**	**1**
Connecticut	0	0	0	114	5	0	6	1
Maine	0	0	0	0	2	0	13	4
Massachusetts	0	0	0	18	6	0	5	2
New Hampshire	0	0	0	0	6	0	33	1
Rhode Island	0	0	0	97	9	0	0	2
Vermont	0	0	0	66	8	0	0	5
Middle Atlantic	**0**	**0**	**0**	**16**	**2**	**0**	**4**	**1**
New Jersey	0	0	0	18	8	0	6	1
New York	0	0	0	28	2	0	7	1
Pennsylvania	0	0	0	52	3	0	5	1
East North Central	**0**	**0**	**0**	**24**	**1**	**0**	**7**	**0**
Illinois	0	0	0	50	1	0	25	0
Indiana	0	0	0	31	1	0	3	1
Michigan	0	0	0	0	3	0	9	1
Ohio	0	0	0	57	4	0	0	1
Wisconsin	0	0	0	0	5	0	36	1
West North Central	**0**	**0**	**0**	**83**	**0**	**0**	**11**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	195	2	0	11	2
Missouri	0	0	0	92	2	0	0	1
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	2	0	37	2
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**10**	**2**	**0**	**3**	**0**
Delaware	0	0	0	56	30	0	0	1
District of Columbia	0	0	0	0	0	0	0	142
Florida	0	0	0	17	5	0	4	1
Georgia	0	0	0	25	6	0	55	0
Maryland	0	0	0	32	4	0	1	3
North Carolina	0	0	0	13	7	0	30	0
South Carolina	0	0	0	161	2	0	0	0
Virginia	0	0	0	0	4	0	6	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**47**	**7**	**0**	**4**	**0**
Alabama	0	0	0	0	11	0	0	1
Kentucky	0	0	0	0	7	0	0	1
Mississippi	0	0	0	0	8	0	713	0
Tennessee	0	0	0	47	17	0	0	1
West South Central	**0**	**0**	**0**	**17**	**1**	**0**	**9**	**0**
Arkansas	0	0	0	0	6	0	0	0
Louisiana	0	0	0	0	11	0	9	1
Oklahoma	0	0	0	0	1	0	86	1
Texas	0	0	0	17	1	0	14	0
Mountain	**0**	**4**	**0**	**3**	**1**	**0**	**7**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	19	1	0	50	1
Idaho	0	31	0	0	5	0	0	5
Montana	0	0	0	0	3	0	0	4
Nevada	0	5	0	4	3	0	79	1
New Mexico	0	170	0	14	3	0	0	2
Utah	0	5	0	223	4	0	186	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**2**	**1**	**0**	**9**	**1**
California	0	2	0	2	2	0	10	1
Oregon	0	0	0	80	2	0	41	1
Washington	0	0	0	0	2	0	17	1
Pacific Noncontiguous	**0**	**0**	**0**	**46**	**8**	**0**	**0**	**4**
Alaska	0	0	0	0	36	0	0	9
Hawaii	0	0	0	46	7	0	0	4
U.S. Total	**0**	**2**	**0**	**2**	**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, November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**11**	**0**	**0**	**0**	**0**	**28**
Connecticut	0	33	0	0	0	0	184
Maine	0	239	0	0	0	0	0
Massachusetts	0	46	0	0	0	0	61
New Hampshire	0	6	0	0	0	0	26
Rhode Island	0	22	0	0	0	0	0
Vermont	0	186	0	0	0	0	49
Middle Atlantic	**371**	**21**	**0**	**8**	**0**	**0**	**1**
New Jersey	0	263	0	0	0	0	0
New York	371	22	0	8	0	0	1
Pennsylvania	0	170	0	0	0	0	21
East North Central	**1**	**2**	**0**	**2**	**0**	**0**	**17**
Illinois	0	7	0	10	0	0	135
Indiana	1	2	0	2	0	0	16
Michigan	2	5	0	17	0	0	35
Ohio	1	2	0	1	0	0	35
Wisconsin	0	7	0	8	0	0	31
West North Central	**1**	**6**	**0**	**8**	**0**	**0**	**4**
Iowa	2	12	0	26	0	0	45
Kansas	0	24	0	27	0	0	0
Minnesota	3	49	0	11	0	0	83
Missouri	1	3	0	14	0	0	18
Nebraska	2	13	0	3	0	0	34
North Dakota	3	38	0	288	0	0	0
South Dakota	0	53	0	36	0	0	1
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**8**
Delaware	0	307	0	0	0	0	0
Florida	1	8	0	1	0	0	77
Georgia	0	4	0	0	0	0	12
Maryland	0	31	0	0	0	0	0
North Carolina	0	5	0	1	0	0	11
South Carolina	0	24	0	1	0	0	20
Virginia	0	6	0	0	0	0	28
West Virginia	0	0	0	0	0	0	43
East South Central	**1**	**2**	**0**	**2**	**0**	**0**	**3**
Alabama	1	0	0	5	0	0	4
Kentucky	1	4	0	1	0	0	5
Mississippi	0	10	0	0	0	0	0
Tennessee	0	0	0	0	0	0	6
West South Central	**0**	**1**	**0**	**1**	**0**	**0**	**12**
Arkansas	0	0	0	3	0	0	14
Louisiana	0	8	0	1	0	0	0
Oklahoma	0	9	0	1	0	0	21
Texas	0	0	0	2	0	0	42
Mountain	**1**	**7**	**0**	**1**	**0**	**0**	**4**
Arizona	0	2	0	2	0	0	2
Colorado	0	120	0	2	0	0	35
Idaho	0	621	0	0	0	0	10
Montana	129	2,637	0	146	0	0	5
Nevada	0	1	0	0	0	0	1
New Mexico	0	13	0	6	0	0	75
Utah	2	9	0	2	0	0	42
Wyoming	2	33	0	471	0	0	29
Pacific Contiguous	**0**	**24**	**0**	**2**	**0**	**0**	**1**
California	0	6	0	3	0	0	6
Oregon	0	0	0	0	0	0	2
Washington	0	97	0	5	0	0	1
Pacific Noncontiguous	**0**	**2**	**0**	**14**	**0**	**0**	**18**
Alaska	0	4	0	14	0	0	18
Hawaii	0	2	0	0	0	0	236
U.S. Total	**0**	**1**	**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, November 2014 (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**	**113**	**4**	**0**	**0**	**6**
Connecticut	0	0	0	0	0	0	0	129
Maine	0	0	0	0	0	0	0	239
Massachusetts	0	0	0	113	43	0	0	36
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	22
Vermont	0	0	0	0	0	0	0	20
Middle Atlantic	**0**	**0**	**0**	**79**	**79**	**0**	**0**	**3**
New Jersey	0	0	0	79	79	0	0	3
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	21
East North Central	**0**	**0**	**0**	**107**	**2**	**0**	**0**	**1**
Illinois	0	0	0	0	92	0	0	1
Indiana	0	0	0	0	15	0	0	1
Michigan	0	0	0	0	3	0	0	1
Ohio	0	0	0	107	57	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	2	0	0	2
Missouri	0	0	0	0	38	0	0	1
Nebraska	0	0	0	0	9	0	0	2
North Dakota	0	0	0	0	2	0	37	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**13**	**2**	**0**	**0**	**0**
Delaware	0	0	0	127	127	0	0	122
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	108	108	0	0	65
North Carolina	0	0	0	292	292	0	0	0
South Carolina	0	0	0	0	5	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**25**	**0**	**0**	**0**
Alabama	0	0	0	0	338	0	0	1
Kentucky	0	0	0	0	25	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	0
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**15**	**2**	**0**	**79**	**1**
Arizona	0	0	0	14	14	0	0	0
Colorado	0	0	0	0	9	0	0	1
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	79	0
New Mexico	0	0	0	47	47	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**	**19**	**3**	**0**	**0**	**1**
California	0	0	0	20	9	0	0	2
Oregon	0	0	0	132	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**73**	**31**	**0**	**0**	**5**
Alaska	0	0	0	0	45	0	0	9
Hawaii	0	0	0	73	25	0	0	2
U.S. Total	**0**	**0**	**0**	**11**	**1**	**0**	**5**	**0**

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Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, Year-to-Date through November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**11**	**0**	**0**	**0**	**0**	**28**
Connecticut	0	33	0	0	0	0	184
Maine	0	239	0	0	0	0	0
Massachusetts	0	46	0	0	0	0	61
New Hampshire	0	6	0	0	0	0	26
Rhode Island	0	22	0	0	0	0	0
Vermont	0	186	0	0	0	0	49
Middle Atlantic	**371**	**21**	**0**	**8**	**0**	**0**	**1**
New Jersey	0	263	0	0	0	0	0
New York	371	22	0	8	0	0	1
Pennsylvania	0	170	0	0	0	0	21
East North Central	**1**	**2**	**0**	**2**	**0**	**0**	**17**
Illinois	0	7	0	10	0	0	135
Indiana	1	2	0	2	0	0	16
Michigan	2	5	0	17	0	0	35
Ohio	1	2	0	1	0	0	35
Wisconsin	0	7	0	8	0	0	31
West North Central	**1**	**6**	**0**	**8**	**0**	**0**	**4**
Iowa	2	12	0	26	0	0	45
Kansas	0	24	0	27	0	0	0
Minnesota	3	49	0	11	0	0	83
Missouri	1	3	0	14	0	0	18
Nebraska	2	13	0	3	0	0	34
North Dakota	3	38	0	288	0	0	0
South Dakota	0	53	0	36	0	0	1
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**8**
Delaware	0	307	0	0	0	0	0
Florida	1	8	0	1	0	0	77
Georgia	0	4	0	0	0	0	12
Maryland	0	31	0	0	0	0	0
North Carolina	0	5	0	1	0	0	11
South Carolina	0	24	0	1	0	0	20
Virginia	0	6	0	0	0	0	28
West Virginia	0	0	0	0	0	0	43
East South Central	**1**	**2**	**0**	**2**	**0**	**0**	**3**
Alabama	1	0	0	5	0	0	4
Kentucky	1	4	0	1	0	0	5
Mississippi	0	10	0	0	0	0	0
Tennessee	0	0	0	0	0	0	6
West South Central	**0**	**1**	**0**	**1**	**0**	**0**	**12**
Arkansas	0	0	0	3	0	0	14
Louisiana	0	8	0	1	0	0	0
Oklahoma	0	9	0	1	0	0	21
Texas	0	0	0	2	0	0	42
Mountain	**1**	**7**	**0**	**1**	**0**	**0**	**4**
Arizona	0	2	0	2	0	0	2
Colorado	0	120	0	2	0	0	35
Idaho	0	621	0	0	0	0	10
Montana	129	2,637	0	146	0	0	5
Nevada	0	1	0	0	0	0	1
New Mexico	0	13	0	6	0	0	75
Utah	2	9	0	2	0	0	42
Wyoming	2	33	0	471	0	0	29
Pacific Contiguous	**0**	**24**	**0**	**2**	**0**	**0**	**1**
California	0	6	0	3	0	0	6
Oregon	0	0	0	0	0	0	2
Washington	0	97	0	5	0	0	1
Pacific Noncontiguous	**0**	**2**	**0**	**14**	**0**	**0**	**18**
Alaska	0	4	0	14	0	0	18
Hawaii	0	2	0	0	0	0	236
U.S. Total	**0**	**1**	**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 November 2014 (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**	**113**	**4**	**0**	**0**	**6**
Connecticut	0	0	0	0	0	0	0	129
Maine	0	0	0	0	0	0	0	239
Massachusetts	0	0	0	113	43	0	0	36
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	22
Vermont	0	0	0	0	0	0	0	20
Middle Atlantic	**0**	**0**	**0**	**79**	**79**	**0**	**0**	**3**
New Jersey	0	0	0	79	79	0	0	3
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	21
East North Central	**0**	**0**	**0**	**107**	**2**	**0**	**0**	**1**
Illinois	0	0	0	0	92	0	0	1
Indiana	0	0	0	0	15	0	0	1
Michigan	0	0	0	0	3	0	0	1
Ohio	0	0	0	107	57	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	2	0	0	2
Missouri	0	0	0	0	38	0	0	1
Nebraska	0	0	0	0	9	0	0	2
North Dakota	0	0	0	0	2	0	37	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**13**	**2**	**0**	**0**	**0**
Delaware	0	0	0	127	127	0	0	122
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	108	108	0	0	65
North Carolina	0	0	0	292	292	0	0	0
South Carolina	0	0	0	0	5	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**25**	**0**	**0**	**0**
Alabama	0	0	0	0	338	0	0	1
Kentucky	0	0	0	0	25	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	0
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**15**	**2**	**0**	**79**	**1**
Arizona	0	0	0	14	14	0	0	0
Colorado	0	0	0	0	9	0	0	1
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	79	0
New Mexico	0	0	0	47	47	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**	**19**	**3**	**0**	**0**	**1**
California	0	0	0	20	9	0	0	2
Oregon	0	0	0	132	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**73**	**31**	**0**	**0**	**5**
Alaska	0	0	0	0	45	0	0	9
Hawaii	0	0	0	73	25	0	0	2
U.S. Total	**0**	**0**	**0**	**11**	**1**	**0**	**5**	**0**

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

Independent Power Producers by Census Division and State, November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**83**	**0**	**1**	**0**	**0**	**11**
Connecticut	0	52	0	1	0	0	56
Maine	0	11	0	0	0	0	15
Massachusetts	0	213	0	4	0	0	31
New Hampshire	0	20	0	0	0	0	26
Rhode Island	0	0	0	0	0	0	458
Vermont	0	0	0	0	0	0	35
Middle Atlantic	**2**	**14**	**0**	**1**	**0**	**0**	**13**
New Jersey	0	21	0	2	0	0	335
New York	4	16	0	2	0	0	15
Pennsylvania	2	20	0	1	0	0	25
East North Central	**0**	**8**	**0**	**1**	**6**	**0**	**62**
Illinois	0	0	0	6	0	0	71
Indiana	0	181,401	0	10	0	0	0
Michigan	40	0	0	5	0	0	112
Ohio	0	1	0	1	15	0	0
Wisconsin	0	1,285	0	0	0	0	140
West North Central	**0**	**48**	**0**	**7**	**0**	**0**	**89**
Iowa	0	63	0	6,292	0	0	513
Kansas	0	0	0	0	0	0	286
Minnesota	0	105	0	15	0	0	95
Missouri	0	0	0	7	0	0	0
South Dakota	0	104	0	0	0	0	0
South Atlantic	**2**	**3**	**0**	**2**	**0**	**0**	**20**
Delaware	0	269	0	1	0	0	0
Florida	0	39	0	12	0	0	0
Georgia	0	7	0	2	0	0	380
Maryland	7	19	0	16	0	0	60
North Carolina	28	70	0	0	0	0	233
South Carolina	0	0	0	19	0	0	130
Virginia	8	1	0	0	0	0	120
West Virginia	1	0	0	3	0	0	9
East South Central	**0**	**19**	**0**	**0**	**0**	**0**	**329**
Alabama	0	19	0	0	0	0	0
Kentucky	0	0	0	0	0	0	329
Mississippi	0	0	0	0	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	0	0	0	245
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	4	0	0	0
Texas	0	0	0	1	0	0	159
Mountain	**5**	**63**	**0**	**2**	**0**	**0**	**12**
Arizona	0	0	0	0	0	0	0
Colorado	93	0	0	4	0	0	94
Idaho	0	0	0	6	0	0	50
Montana	5	72	0	482	0	0	11
Nevada	0	0	0	8	0	0	160
New Mexico	0	667	0	64	0	0	0
Utah	113	453	0	69	0	0	412
Wyoming	79	0	0	606	0	0	368
Pacific Contiguous	**1**	**7**	**449**	**1**	**0**	**0**	**31**
California	80	0	449	2	0	0	46
Oregon	0	0	0	1	0	0	55
Washington	0	7	0	0	0	0	67
Pacific Noncontiguous	**5**	**24**	**0**	**0**	**0**	**0**	**0**
Alaska	46	0	0	0	0	0	0
Hawaii	0	24	0	0	0	0	0
U.S. Total	**1**	**14**	**8**	**0**	**2**	**0**	**7**

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

Independent Power Producers by Census Division and State, November 2014 (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**	**17**	**2**	**0**	**4**	**1**
Connecticut	0	0	0	114	4	0	6	1
Maine	0	0	0	0	1	0	9	4
Massachusetts	0	0	0	18	6	0	5	2
New Hampshire	0	0	0	0	8	0	33	2
Rhode Island	0	0	0	97	9	0	0	1
Vermont	0	0	0	66	20	0	0	5
Middle Atlantic	**0**	**0**	**0**	**17**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	20	8	0	8	1
New York	0	0	0	28	2	0	5	1
Pennsylvania	0	0	0	54	2	0	6	1
East North Central	**0**	**0**	**0**	**25**	**1**	**0**	**16**	**0**
Illinois	0	0	0	50	0	0	0	0
Indiana	0	0	0	31	1	0	0	1
Michigan	0	0	0	0	2	0	16	2
Ohio	0	0	0	71	4	0	0	0
Wisconsin	0	0	0	0	7	0	0	1
West North Central	**0**	**0**	**0**	**83**	**1**	**0**	**23**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	195	2	0	23	2
Missouri	0	0	0	92	1	0	0	3
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**11**	**2**	**0**	**4**	**1**
Delaware	0	0	0	62	31	0	0	1
Florida	0	0	0	60	3	0	5	6
Georgia	0	0	0	25	8	0	0	2
Maryland	0	0	0	34	3	0	0	3
North Carolina	0	0	0	13	8	0	30	3
South Carolina	0	0	0	161	55	0	0	18
Virginia	0	0	0	0	6	0	0	2
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**47**	**7**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	279
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	47	19	0	0	19
West South Central	**0**	**0**	**0**	**17**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	38	0	0	1
Louisiana	0	0	0	0	31	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	17	0	0	0	0
Mountain	**0**	**4**	**0**	**3**	**1**	**0**	**4**	**2**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	18	1	0	79	2
Idaho	0	31	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	4
Nevada	0	5	0	4	3	0	0	3
New Mexico	0	170	0	14	3	0	0	5
Utah	0	10	0	223	5	0	186	29
Wyoming	0	0	0	0	2	0	0	14
Pacific Contiguous	**0**	**2**	**0**	**2**	**1**	**0**	**13**	**1**
California	0	3	0	2	1	0	12	1
Oregon	0	0	0	100	2	0	41	1
Washington	0	0	0	0	1	0	32	1
Pacific Noncontiguous	**0**	**0**	**0**	**58**	**9**	**0**	**0**	**9**
Alaska	0	0	0	0	63	0	0	38
Hawaii	0	0	0	58	8	0	0	9
U.S. Total	**0**	**2**	**0**	**2**	**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 November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**83**	**0**	**1**	**0**	**0**	**11**
Connecticut	0	52	0	1	0	0	56
Maine	0	11	0	0	0	0	15
Massachusetts	0	213	0	4	0	0	31
New Hampshire	0	20	0	0	0	0	26
Rhode Island	0	0	0	0	0	0	458
Vermont	0	0	0	0	0	0	35
Middle Atlantic	**2**	**14**	**0**	**1**	**0**	**0**	**13**
New Jersey	0	21	0	2	0	0	335
New York	4	16	0	2	0	0	15
Pennsylvania	2	20	0	1	0	0	25
East North Central	**0**	**8**	**0**	**1**	**6**	**0**	**62**
Illinois	0	0	0	6	0	0	71
Indiana	0	181,401	0	10	0	0	0
Michigan	40	0	0	5	0	0	112
Ohio	0	1	0	1	15	0	0
Wisconsin	0	1,285	0	0	0	0	140
West North Central	**0**	**48**	**0**	**7**	**0**	**0**	**89**
Iowa	0	63	0	6,292	0	0	513
Kansas	0	0	0	0	0	0	286
Minnesota	0	105	0	15	0	0	95
Missouri	0	0	0	7	0	0	0
South Dakota	0	104	0	0	0	0	0
South Atlantic	**2**	**3**	**0**	**2**	**0**	**0**	**20**
Delaware	0	269	0	1	0	0	0
Florida	0	39	0	12	0	0	0
Georgia	0	7	0	2	0	0	380
Maryland	7	19	0	16	0	0	60
North Carolina	28	70	0	0	0	0	233
South Carolina	0	0	0	19	0	0	130
Virginia	8	1	0	0	0	0	120
West Virginia	1	0	0	3	0	0	9
East South Central	**0**	**19**	**0**	**0**	**0**	**0**	**329**
Alabama	0	19	0	0	0	0	0
Kentucky	0	0	0	0	0	0	329
Mississippi	0	0	0	0	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	0	0	0	245
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	4	0	0	0
Texas	0	0	0	1	0	0	159
Mountain	**5**	**63**	**0**	**2**	**0**	**0**	**12**
Arizona	0	0	0	0	0	0	0
Colorado	93	0	0	4	0	0	94
Idaho	0	0	0	6	0	0	50
Montana	5	72	0	482	0	0	11
Nevada	0	0	0	8	0	0	160
New Mexico	0	667	0	64	0	0	0
Utah	113	453	0	69	0	0	412
Wyoming	79	0	0	606	0	0	368
Pacific Contiguous	**1**	**7**	**449**	**1**	**0**	**0**	**31**
California	80	0	449	2	0	0	46
Oregon	0	0	0	1	0	0	55
Washington	0	7	0	0	0	0	67
Pacific Noncontiguous	**5**	**24**	**0**	**0**	**0**	**0**	**0**
Alaska	46	0	0	0	0	0	0
Hawaii	0	24	0	0	0	0	0
U.S. Total	**1**	**14**	**8**	**0**	**2**	**0**	**7**

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

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 November 2014 (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**	**17**	**2**	**0**	**4**	**1**
Connecticut	0	0	0	114	4	0	6	1
Maine	0	0	0	0	1	0	9	4
Massachusetts	0	0	0	18	6	0	5	2
New Hampshire	0	0	0	0	8	0	33	2
Rhode Island	0	0	0	97	9	0	0	1
Vermont	0	0	0	66	20	0	0	5
Middle Atlantic	**0**	**0**	**0**	**17**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	20	8	0	8	1
New York	0	0	0	28	2	0	5	1
Pennsylvania	0	0	0	54	2	0	6	1
East North Central	**0**	**0**	**0**	**25**	**1**	**0**	**16**	**0**
Illinois	0	0	0	50	0	0	0	0
Indiana	0	0	0	31	1	0	0	1
Michigan	0	0	0	0	2	0	16	2
Ohio	0	0	0	71	4	0	0	0
Wisconsin	0	0	0	0	7	0	0	1
West North Central	**0**	**0**	**0**	**83**	**1**	**0**	**23**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	195	2	0	23	2
Missouri	0	0	0	92	1	0	0	3
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**11**	**2**	**0**	**4**	**1**
Delaware	0	0	0	62	31	0	0	1
Florida	0	0	0	60	3	0	5	6
Georgia	0	0	0	25	8	0	0	2
Maryland	0	0	0	34	3	0	0	3
North Carolina	0	0	0	13	8	0	30	3
South Carolina	0	0	0	161	55	0	0	18
Virginia	0	0	0	0	6	0	0	2
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**47**	**7**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	279
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	47	19	0	0	19
West South Central	**0**	**0**	**0**	**17**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	38	0	0	1
Louisiana	0	0	0	0	31	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	17	0	0	0	0
Mountain	**0**	**4**	**0**	**3**	**1**	**0**	**4**	**2**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	18	1	0	79	2
Idaho	0	31	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	4
Nevada	0	5	0	4	3	0	0	3
New Mexico	0	170	0	14	3	0	0	5
Utah	0	10	0	223	5	0	186	29
Wyoming	0	0	0	0	2	0	0	14
Pacific Contiguous	**0**	**2**	**0**	**2**	**1**	**0**	**13**	**1**
California	0	3	0	2	1	0	12	1
Oregon	0	0	0	100	2	0	41	1
Washington	0	0	0	0	1	0	32	1
Pacific Noncontiguous	**0**	**0**	**0**	**58**	**9**	**0**	**0**	**9**
Alaska	0	0	0	0	63	0	0	38
Hawaii	0	0	0	58	8	0	0	9
U.S. Total	**0**	**2**	**0**	**2**	**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, November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**33**	**0**	**29**	**0**	**0**	**408**
Connecticut	0	770	0	58	0	0	0
Maine	0	264	0	214	0	0	0
Massachusetts	0	31	0	24	0	0	408
New Hampshire	0	107	0	262	0	0	0
Rhode Island	0	167	0	186	0	0	0
Vermont	0	405	0	0	0	0	0
Middle Atlantic	**131**	**101**	**0**	**30**	**0**	**0**	**484**
New Jersey	0	111	0	94	0	0	0
New York	0	87	0	27	0	0	484
Pennsylvania	131	402	0	111	0	0	0
East North Central	**18**	**267**	**0**	**21**	**0**	**0**	**676**
Illinois	27	249	0	21	0	0	676
Indiana	26	1,143	0	159	0	0	0
Michigan	0	20	0	30	0	0	0
Ohio	277	152	0	68	0	0	0
Wisconsin	229	3,744	0	113	0	0	0
West North Central	**30**	**527**	**0**	**89**	**0**	**0**	**0**
Iowa	44	184	0	229	0	0	0
Minnesota	0	654	0	99	0	0	0
Missouri	0	286	0	0	0	0	0
Nebraska	0	0	0	1,930	0	0	0
North Dakota	0	334	0	0	0	0	0
South Dakota	0	486	0	0	0	0	0
South Atlantic	**152**	**81**	**0**	**58**	**0**	**0**	**181**
District of Columbia	0	0	0	142	0	0	0
Florida	0	0	0	146	0	0	0
Georgia	0	65	0	0	0	0	0
Maryland	153	93	0	71	0	0	0
North Carolina	0	181	0	0	0	0	182
South Carolina	0	255	0	211	0	0	0
Virginia	340	31	0	0	0	0	0
East South Central	**133**	**243**	**0**	**86**	**0**	**0**	**0**
Mississippi	0	0	0	295	0	0	0
Tennessee	133	243	0	89	0	0	0
West South Central	**0**	**973**	**0**	**34**	**0**	**0**	**0**
Arkansas	0	0	0	1,827	0	0	0
Louisiana	0	0	0	211	0	0	0
Oklahoma	0	0	0	114	0	0	0
Texas	0	973	0	36	0	0	0
Mountain	**0**	**362**	**0**	**41**	**0**	**0**	**556**
Arizona	0	362	0	68	0	0	0
Colorado	0	0	0	0	0	0	556
Nevada	0	0	0	85	0	0	0
New Mexico	0	0	0	92	0	0	0
Utah	0	0	0	107	0	0	0
Pacific Contiguous	**0**	**354**	**0**	**18**	**0**	**0**	**1,458**
California	0	353	0	18	0	0	1,458
Oregon	0	0	0	195	0	0	0
Washington	0	3,759	0	266	0	0	0
Pacific Noncontiguous	**16**	**146**	**0**	**959**	**0**	**0**	**0**
Alaska	16	209	0	959	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**14**	**141**	**0**	**11**	**0**	**0**	**200**

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, November 2014 (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**	**32**	**0**	**35**	**21**
Connecticut	0	0	0	0	77	0	69	49
Maine	0	0	0	0	44	0	40	35
Massachusetts	0	0	0	0	73	0	0	21
New Hampshire	0	0	0	0	81	0	0	91
Rhode Island	0	0	0	0	0	0	0	164
Vermont	0	0	0	0	492	0	0	382
Middle Atlantic	**0**	**0**	**0**	**37**	**12**	**0**	**11**	**12**
New Jersey	0	0	0	36	15	0	0	23
New York	0	0	0	0	29	0	26	17
Pennsylvania	0	0	0	1,060	12	0	0	28
East North Central	**0**	**0**	**0**	**180**	**20**	**0**	**17**	**15**
Illinois	0	0	0	0	497	0	0	18
Indiana	0	0	0	0	92	0	88	47
Michigan	0	0	0	0	18	0	16	18
Ohio	0	0	0	180	180	0	0	67
Wisconsin	0	0	0	0	142	0	0	94
West North Central	**0**	**0**	**0**	**0**	**44**	**0**	**71**	**26**
Iowa	0	0	0	0	82	0	0	39
Minnesota	0	0	0	0	59	0	71	56
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	110	0	0	129
North Dakota	0	0	0	0	0	0	0	334
South Dakota	0	0	0	0	0	0	0	486
South Atlantic	**0**	**0**	**0**	**62**	**19**	**0**	**15**	**21**
Delaware	0	0	0	0	175	0	0	175
District of Columbia	0	0	0	0	0	0	0	142
Florida	0	0	0	254	70	0	0	79
Georgia	0	0	0	171	78	0	0	75
Maryland	0	0	0	144	85	0	455	55
North Carolina	0	0	0	73	73	0	0	68
South Carolina	0	0	0	0	0	0	0	203
Virginia	0	0	0	0	16	0	14	12
East South Central	**0**	**0**	**0**	**378**	**378**	**0**	**0**	**77**
Mississippi	0	0	0	0	0	0	0	295
Tennessee	0	0	0	378	378	0	0	78
West South Central	**0**	**0**	**0**	**215**	**75**	**0**	**0**	**32**
Arkansas	0	0	0	0	193	0	0	264
Louisiana	0	0	0	0	0	0	0	211
Oklahoma	0	0	0	0	0	0	0	114
Texas	0	0	0	215	79	0	0	33
Mountain	**0**	**0**	**0**	**54**	**55**	**0**	**0**	**37**
Arizona	0	0	0	84	84	0	0	59
Colorado	0	0	0	130	141	0	0	142
Nevada	0	0	0	78	78	0	0	65
New Mexico	0	0	0	0	261	0	0	88
Utah	0	0	0	0	0	0	0	107
Pacific Contiguous	**0**	**0**	**0**	**42**	**14**	**0**	**0**	**16**
California	0	0	0	42	14	0	0	16
Oregon	0	0	0	0	96	0	0	120
Washington	0	0	0	0	0	0	0	267
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**
Alaska	0	0	0	0	0	0	0	19
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**25**	**8**	**0**	**7**	**7**

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

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

Commercial Sector by Census Division and State, Year-to-Date through November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**33**	**0**	**29**	**0**	**0**	**408**
Connecticut	0	770	0	58	0	0	0
Maine	0	264	0	214	0	0	0
Massachusetts	0	31	0	24	0	0	408
New Hampshire	0	107	0	262	0	0	0
Rhode Island	0	167	0	186	0	0	0
Vermont	0	405	0	0	0	0	0
Middle Atlantic	**131**	**101**	**0**	**30**	**0**	**0**	**484**
New Jersey	0	111	0	94	0	0	0
New York	0	87	0	27	0	0	484
Pennsylvania	131	402	0	111	0	0	0
East North Central	**18**	**267**	**0**	**21**	**0**	**0**	**676**
Illinois	27	249	0	21	0	0	676
Indiana	26	1,143	0	159	0	0	0
Michigan	0	20	0	30	0	0	0
Ohio	277	152	0	68	0	0	0
Wisconsin	229	3,744	0	113	0	0	0
West North Central	**30**	**527**	**0**	**89**	**0**	**0**	**0**
Iowa	44	184	0	229	0	0	0
Minnesota	0	654	0	99	0	0	0
Missouri	0	286	0	0	0	0	0
Nebraska	0	0	0	1,930	0	0	0
North Dakota	0	334	0	0	0	0	0
South Dakota	0	486	0	0	0	0	0
South Atlantic	**152**	**81**	**0**	**58**	**0**	**0**	**181**
District of Columbia	0	0	0	142	0	0	0
Florida	0	0	0	146	0	0	0
Georgia	0	65	0	0	0	0	0
Maryland	153	93	0	71	0	0	0
North Carolina	0	181	0	0	0	0	182
South Carolina	0	255	0	211	0	0	0
Virginia	340	31	0	0	0	0	0
East South Central	**133**	**243**	**0**	**86**	**0**	**0**	**0**
Mississippi	0	0	0	295	0	0	0
Tennessee	133	243	0	89	0	0	0
West South Central	**0**	**973**	**0**	**34**	**0**	**0**	**0**
Arkansas	0	0	0	1,827	0	0	0
Louisiana	0	0	0	211	0	0	0
Oklahoma	0	0	0	114	0	0	0
Texas	0	973	0	36	0	0	0
Mountain	**0**	**362**	**0**	**41**	**0**	**0**	**556**
Arizona	0	362	0	68	0	0	0
Colorado	0	0	0	0	0	0	556
Nevada	0	0	0	85	0	0	0
New Mexico	0	0	0	92	0	0	0
Utah	0	0	0	107	0	0	0
Pacific Contiguous	**0**	**354**	**0**	**18**	**0**	**0**	**1,458**
California	0	353	0	18	0	0	1,458
Oregon	0	0	0	195	0	0	0
Washington	0	3,759	0	266	0	0	0
Pacific Noncontiguous	**16**	**146**	**0**	**959**	**0**	**0**	**0**
Alaska	16	209	0	959	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**14**	**141**	**0**	**11**	**0**	**0**	**200**

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 November 2014 (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**	**32**	**0**	**35**	**21**
Connecticut	0	0	0	0	77	0	69	49
Maine	0	0	0	0	44	0	40	35
Massachusetts	0	0	0	0	73	0	0	21
New Hampshire	0	0	0	0	81	0	0	91
Rhode Island	0	0	0	0	0	0	0	164
Vermont	0	0	0	0	492	0	0	382
Middle Atlantic	**0**	**0**	**0**	**37**	**12**	**0**	**11**	**12**
New Jersey	0	0	0	36	15	0	0	23
New York	0	0	0	0	29	0	26	17
Pennsylvania	0	0	0	1,060	12	0	0	28
East North Central	**0**	**0**	**0**	**180**	**20**	**0**	**17**	**15**
Illinois	0	0	0	0	497	0	0	18
Indiana	0	0	0	0	92	0	88	47
Michigan	0	0	0	0	18	0	16	18
Ohio	0	0	0	180	180	0	0	67
Wisconsin	0	0	0	0	142	0	0	94
West North Central	**0**	**0**	**0**	**0**	**44**	**0**	**71**	**26**
Iowa	0	0	0	0	82	0	0	39
Minnesota	0	0	0	0	59	0	71	56
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	110	0	0	129
North Dakota	0	0	0	0	0	0	0	334
South Dakota	0	0	0	0	0	0	0	486
South Atlantic	**0**	**0**	**0**	**62**	**19**	**0**	**15**	**21**
Delaware	0	0	0	0	175	0	0	175
District of Columbia	0	0	0	0	0	0	0	142
Florida	0	0	0	254	70	0	0	79
Georgia	0	0	0	171	78	0	0	75
Maryland	0	0	0	144	85	0	455	55
North Carolina	0	0	0	73	73	0	0	68
South Carolina	0	0	0	0	0	0	0	203
Virginia	0	0	0	0	16	0	14	12
East South Central	**0**	**0**	**0**	**378**	**378**	**0**	**0**	**77**
Mississippi	0	0	0	0	0	0	0	295
Tennessee	0	0	0	378	378	0	0	78
West South Central	**0**	**0**	**0**	**215**	**75**	**0**	**0**	**32**
Arkansas	0	0	0	0	193	0	0	264
Louisiana	0	0	0	0	0	0	0	211
Oklahoma	0	0	0	0	0	0	0	114
Texas	0	0	0	215	79	0	0	33
Mountain	**0**	**0**	**0**	**54**	**55**	**0**	**0**	**37**
Arizona	0	0	0	84	84	0	0	59
Colorado	0	0	0	130	141	0	0	142
Nevada	0	0	0	78	78	0	0	65
New Mexico	0	0	0	0	261	0	0	88
Utah	0	0	0	0	0	0	0	107
Pacific Contiguous	**0**	**0**	**0**	**42**	**14**	**0**	**0**	**16**
California	0	0	0	42	14	0	0	16
Oregon	0	0	0	0	96	0	0	120
Washington	0	0	0	0	0	0	0	267
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**
Alaska	0	0	0	0	0	0	0	19
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**25**	**8**	**0**	**7**	**7**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**71**	**19**	**0**	**31**	**0**	**0**	**33**
Connecticut	0	213	0	74	0	0	0
Maine	0	10	0	35	0	0	31
Massachusetts	108	1,383	0	102	0	0	468
New Hampshire	0	182	0	209	0	0	752
Middle Atlantic	**15**	**15**	**113**	**32**	**7**	**0**	**121**
New Jersey	0	472	270	82	0	0	0
New York	0	14	0	55	0	0	121
Pennsylvania	23	149	124	43	7	0	0
East North Central	**6**	**60**	**50**	**28**	**6**	**0**	**102**
Illinois	8	1,964	0	66	23	0	0
Indiana	89	4	0	36	5	0	0
Michigan	32	673	153	68	0	0	244
Ohio	18	267	1,207	109	25	0	0
Wisconsin	11	538	0	72	0	0	113
West North Central	**10**	**398**	**0**	**72**	**61**	**0**	**120**
Iowa	10	156	0	305	0	0	0
Kansas	0	0	0	68	0	0	0
Minnesota	25	750	0	166	0	0	120
Missouri	74	0	0	725	0	0	0
Nebraska	32	0	0	456	0	0	0
North Dakota	66	510	0	280	61	0	0
South Atlantic	**11**	**27**	**0**	**13**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	69	61	0	22	0	0	0
Georgia	20	26	0	41	0	0	195
Maryland	0	0	0	138	0	0	0
North Carolina	68	79	0	40	0	0	15
South Carolina	19	0	0	106	0	0	0
Virginia	32	154	0	47	0	0	264
West Virginia	5	0	0	0	0	0	10
East South Central	**5**	**49**	**0**	**12**	**13**	**0**	**14**
Alabama	31	51	0	25	14	0	0
Kentucky	0	0	0	64	0	0	0
Mississippi	0	0	0	13	0	0	0
Tennessee	3	223	0	14	0	0	14
West South Central	**43**	**79**	**68**	**2**	**5**	**0**	**0**
Arkansas	0	0	0	27	0	0	0
Louisiana	118	0	98	3	6	0	0
Oklahoma	52	97	0	138	0	0	0
Texas	0	299	48	3	7	0	0
Mountain	**29**	**265**	**0**	**22**	**4**	**0**	**0**
Colorado	376	1,684	0	359	0	0	0
Idaho	72	0	0	172	0	0	0
Montana	180	0	0	0	0	0	0
Nevada	0	0	0	124	0	0	0
New Mexico	0	982	0	0	0	0	0
Utah	0	868	0	35	276	0	0
Wyoming	32	274	0	19	3	0	0
Pacific Contiguous	**0**	**159**	**0**	**7**	**6**	**0**	**0**
California	0	118	0	7	6	0	0
Oregon	0	0	0	90	0	0	0
Washington	0	173	0	0	0	0	0
Pacific Noncontiguous	**163**	**31**	**0**	**191**	**72**	**0**	**161**
Alaska	0	12	0	191	237	0	0
Hawaii	163	41	0	0	75	0	161
U.S. Total	**5**	**15**	**38**	**2**	**3**	**0**	**10**

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, November 2014 (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**	**6**	**0**	**29**	**11**
Connecticut	0	0	0	0	0	0	0	74
Maine	0	0	0	0	6	0	29	10
Massachusetts	0	0	0	0	0	0	0	82
New Hampshire	0	0	0	0	0	0	0	220
Middle Atlantic	**0**	**0**	**0**	**161**	**15**	**0**	**0**	**12**
New Jersey	0	0	0	498	498	0	0	80
New York	0	0	0	0	7	0	0	16
Pennsylvania	0	0	0	170	20	0	0	15
East North Central	**0**	**0**	**0**	**0**	**12**	**0**	**9**	**5**
Illinois	0	0	0	0	0	0	25	9
Indiana	0	0	0	0	101	0	0	6
Michigan	0	0	0	0	20	0	0	20
Ohio	0	0	0	0	19	0	0	16
Wisconsin	0	0	0	0	18	0	66	11
West North Central	**0**	**0**	**0**	**0**	**16**	**0**	**55**	**9**
Iowa	0	0	0	0	0	0	0	11
Kansas	0	0	0	0	0	0	0	68
Minnesota	0	0	0	0	16	0	55	16
Missouri	0	0	0	0	173	0	0	69
Nebraska	0	0	0	0	0	0	0	34
North Dakota	0	0	0	0	122	0	0	50
South Atlantic	**0**	**0**	**0**	**0**	**4**	**0**	**6**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	12	0	6	8
Georgia	0	0	0	0	7	0	55	7
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	11	0	0	9
South Carolina	0	0	0	0	2	0	0	4
Virginia	0	0	0	0	8	0	0	9
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**7**	**0**	**23**	**5**
Alabama	0	0	0	0	12	0	0	10
Kentucky	0	0	0	0	7	0	0	24
Mississippi	0	0	0	0	8	0	713	8
Tennessee	0	0	0	0	20	0	0	7
West South Central	**0**	**0**	**0**	**0**	**7**	**0**	**9**	**2**
Arkansas	0	0	0	0	6	0	0	7
Louisiana	0	0	0	0	12	0	9	3
Oklahoma	0	0	0	0	38	0	86	33
Texas	0	0	0	0	18	0	14	3
Mountain	**0**	**0**	**0**	**238**	**7**	**0**	**61**	**12**
Colorado	0	0	0	0	290	0	61	72
Idaho	0	0	0	0	6	0	0	21
Montana	0	0	0	0	0	0	0	180
Nevada	0	0	0	238	238	0	0	121
New Mexico	0	0	0	0	0	0	0	982
Utah	0	0	0	0	0	0	0	35
Wyoming	0	0	0	0	0	0	0	13
Pacific Contiguous	**0**	**0**	**0**	**166**	**12**	**0**	**11**	**5**
California	0	0	0	166	32	0	14	6
Oregon	0	0	0	0	20	0	0	22
Washington	0	0	0	0	13	0	0	12
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**43**	**0**	**0**	**30**
Alaska	0	0	0	0	226	0	0	72
Hawaii	0	0	0	0	43	0	0	33
U.S. Total	**0**	**0**	**0**	**109**	**4**	**0**	**6**	**2**

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

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

Industrial Sector by Census Division and State, Year-to-Date through November 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**71**	**19**	**0**	**31**	**0**	**0**	**33**
Connecticut	0	213	0	74	0	0	0
Maine	0	10	0	35	0	0	31
Massachusetts	108	1,383	0	102	0	0	468
New Hampshire	0	182	0	209	0	0	752
Middle Atlantic	**15**	**15**	**113**	**32**	**7**	**0**	**121**
New Jersey	0	472	270	82	0	0	0
New York	0	14	0	55	0	0	121
Pennsylvania	23	149	124	43	7	0	0
East North Central	**6**	**60**	**50**	**28**	**6**	**0**	**102**
Illinois	8	1,964	0	66	23	0	0
Indiana	89	4	0	36	5	0	0
Michigan	32	673	153	68	0	0	244
Ohio	18	267	1,207	109	25	0	0
Wisconsin	11	538	0	72	0	0	113
West North Central	**10**	**398**	**0**	**72**	**61**	**0**	**120**
Iowa	10	156	0	305	0	0	0
Kansas	0	0	0	68	0	0	0
Minnesota	25	750	0	166	0	0	120
Missouri	74	0	0	725	0	0	0
Nebraska	32	0	0	456	0	0	0
North Dakota	66	510	0	280	61	0	0
South Atlantic	**11**	**27**	**0**	**13**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	69	61	0	22	0	0	0
Georgia	20	26	0	41	0	0	195
Maryland	0	0	0	138	0	0	0
North Carolina	68	79	0	40	0	0	15
South Carolina	19	0	0	106	0	0	0
Virginia	32	154	0	47	0	0	264
West Virginia	5	0	0	0	0	0	10
East South Central	**5**	**49**	**0**	**12**	**13**	**0**	**14**
Alabama	31	51	0	25	14	0	0
Kentucky	0	0	0	64	0	0	0
Mississippi	0	0	0	13	0	0	0
Tennessee	3	223	0	14	0	0	14
West South Central	**43**	**79**	**68**	**2**	**5**	**0**	**0**
Arkansas	0	0	0	27	0	0	0
Louisiana	118	0	98	3	6	0	0
Oklahoma	52	97	0	138	0	0	0
Texas	0	299	48	3	7	0	0
Mountain	**29**	**265**	**0**	**22**	**4**	**0**	**0**
Colorado	376	1,684	0	359	0	0	0
Idaho	72	0	0	172	0	0	0
Montana	180	0	0	0	0	0	0
Nevada	0	0	0	124	0	0	0
New Mexico	0	982	0	0	0	0	0
Utah	0	868	0	35	276	0	0
Wyoming	32	274	0	19	3	0	0
Pacific Contiguous	**0**	**159**	**0**	**7**	**6**	**0**	**0**
California	0	118	0	7	6	0	0
Oregon	0	0	0	90	0	0	0
Washington	0	173	0	0	0	0	0
Pacific Noncontiguous	**163**	**31**	**0**	**191**	**72**	**0**	**161**
Alaska	0	12	0	191	237	0	0
Hawaii	163	41	0	0	75	0	161
U.S. Total	**5**	**15**	**38**	**2**	**3**	**0**	**10**

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 November 2014 (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**	**6**	**0**	**29**	**11**
Connecticut	0	0	0	0	0	0	0	74
Maine	0	0	0	0	6	0	29	10
Massachusetts	0	0	0	0	0	0	0	82
New Hampshire	0	0	0	0	0	0	0	220
Middle Atlantic	**0**	**0**	**0**	**161**	**15**	**0**	**0**	**12**
New Jersey	0	0	0	498	498	0	0	80
New York	0	0	0	0	7	0	0	16
Pennsylvania	0	0	0	170	20	0	0	15
East North Central	**0**	**0**	**0**	**0**	**12**	**0**	**9**	**5**
Illinois	0	0	0	0	0	0	25	9
Indiana	0	0	0	0	101	0	0	6
Michigan	0	0	0	0	20	0	0	20
Ohio	0	0	0	0	19	0	0	16
Wisconsin	0	0	0	0	18	0	66	11
West North Central	**0**	**0**	**0**	**0**	**16**	**0**	**55**	**9**
Iowa	0	0	0	0	0	0	0	11
Kansas	0	0	0	0	0	0	0	68
Minnesota	0	0	0	0	16	0	55	16
Missouri	0	0	0	0	173	0	0	69
Nebraska	0	0	0	0	0	0	0	34
North Dakota	0	0	0	0	122	0	0	50
South Atlantic	**0**	**0**	**0**	**0**	**4**	**0**	**6**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	12	0	6	8
Georgia	0	0	0	0	7	0	55	7
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	11	0	0	9
South Carolina	0	0	0	0	2	0	0	4
Virginia	0	0	0	0	8	0	0	9
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**7**	**0**	**23**	**5**
Alabama	0	0	0	0	12	0	0	10
Kentucky	0	0	0	0	7	0	0	24
Mississippi	0	0	0	0	8	0	713	8
Tennessee	0	0	0	0	20	0	0	7
West South Central	**0**	**0**	**0**	**0**	**7**	**0**	**9**	**2**
Arkansas	0	0	0	0	6	0	0	7
Louisiana	0	0	0	0	12	0	9	3
Oklahoma	0	0	0	0	38	0	86	33
Texas	0	0	0	0	18	0	14	3
Mountain	**0**	**0**	**0**	**238**	**7**	**0**	**61**	**12**
Colorado	0	0	0	0	290	0	61	72
Idaho	0	0	0	0	6	0	0	21
Montana	0	0	0	0	0	0	0	180
Nevada	0	0	0	238	238	0	0	121
New Mexico	0	0	0	0	0	0	0	982
Utah	0	0	0	0	0	0	0	35
Wyoming	0	0	0	0	0	0	0	13
Pacific Contiguous	**0**	**0**	**0**	**166**	**12**	**0**	**11**	**5**
California	0	0	0	166	32	0	14	6
Oregon	0	0	0	0	20	0	0	22
Washington	0	0	0	0	13	0	0	12
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**43**	**0**	**0**	**30**
Alaska	0	0	0	0	226	0	0	72
Hawaii	0	0	0	0	43	0	0	33
U.S. Total	**0**	**0**	**0**	**109**	**4**	**0**	**6**	**2**

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

Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**3**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	0	1	2	0	1
Massachusetts	1	1	8	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	8	0	3
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**	**1**	**1**	**0**	**0**
Illinois	0	1	2	0	1
Indiana	1	1	2	0	1
Michigan	1	2	1	0	1
Ohio	1	1	2	0	1
Wisconsin	2	3	3	0	2
West North Central	**1**	**2**	**2**	**0**	**1**
Iowa	3	7	3	0	2
Kansas	2	1	3	0	1
Minnesota	2	4	3	0	2
Missouri	1	1	5	0	1
Nebraska	3	7	4	0	3
North Dakota	2	4	6	0	2
South Dakota	4	9	6	0	4
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	33	0	4
District of Columbia	0	0	0	0	0
Florida	1	0	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	2	1	2	0	1
Tennessee	1	2	5	0	1
West South Central	**1**	**0**	**1**	**0**	**0**
Arkansas	2	1	2	0	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	0	1	0	0
Mountain	**1**	**2**	**1**	**0**	**1**
Arizona	1	3	2	0	1
Colorado	2	5	4	0	2
Idaho	2	4	3	0	2
Montana	3	7	5	0	3
Nevada	1	6	1	0	2
New Mexico	3	8	5	0	4
Utah	2	6	2	0	2
Wyoming	3	7	2	0	2
Pacific Contiguous	**1**	**1**	**2**	**0**	**1**
California	1	1	2	0	1
Oregon	2	4	5	0	2
Washington	2	4	4	0	2
Pacific Noncontiguous	**2**	**4**	**2**	**0**	**2**
Alaska	3	9	7	0	4
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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

Table A.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 November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**3**	**0**	**0**
Connecticut	0	1	4	0	1
Maine	0	1	1	0	0
Massachusetts	0	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	1	2	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	0	1	2	0	1
Michigan	0	1	1	0	0
Ohio	0	1	1	0	1
Wisconsin	0	2	1	0	1
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	4	2	0	1
Kansas	1	1	2	0	1
Minnesota	1	2	2	0	1
Missouri	0	1	4	0	1
Nebraska	1	4	2	0	2
North Dakota	1	3	3	0	2
South Dakota	1	5	3	0	2
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	0	1	7	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	0	1	1	0	0
Maryland	0	1	3	0	0
North Carolina	0	0	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	2	0	1
Mississippi	1	1	1	0	1
Tennessee	0	1	4	0	1
West South Central	**0**	**0**	**0**	**0**	**0**
Arkansas	1	1	1	92	1
Louisiana	0	1	0	0	0
Oklahoma	0	1	1	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	1	1	0	1
Colorado	1	2	2	0	1
Idaho	0	3	1	0	1
Montana	1	4	2	0	2
Nevada	0	1	0	0	0
New Mexico	1	3	3	0	2
Utah	1	2	1	0	1
Wyoming	1	4	1	0	1
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	1	0	0
Oregon	0	2	3	0	1
Washington	0	2	2	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	1	5	4	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**3**	**34**	**1**
Connecticut	0	1	4	0	1
Maine	0	3	2	0	1
Massachusetts	1	1	6	49	1
New Hampshire	0	1	4	0	1
Rhode Island	0	18	0	0	8
Vermont	2	3	7	0	2
Middle Atlantic	**0**	**1**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	0	3	2	0	1
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	1	1	3	0	1
Indiana	1	1	2	0	1
Michigan	1	1	2	0	1
Ohio	1	1	3	0	1
Wisconsin	1	2	4	0	1
West North Central	**1**	**1**	**3**	**0**	**1**
Iowa	3	6	5	0	3
Kansas	2	2	5	0	1
Minnesota	2	3	5	0	2
Missouri	1	1	6	0	1
Nebraska	3	6	7	0	3
North Dakota	2	4	7	0	3
South Dakota	3	7	9	0	3
South Atlantic	**0**	**0**	**1**	**17**	**0**
Delaware	1	2	16	0	2
District of Columbia	0	0	0	55	1
Florida	1	1	4	0	0
Georgia	1	1	3	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	3	0	1
South Carolina	1	1	2	0	1
Virginia	1	1	3	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	1	1	2	0	1
Kentucky	1	2	3	0	1
Mississippi	2	2	4	0	1
Tennessee	1	2	6	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	2	3	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	4	0	1
Texas	1	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	2	3	4	0	1
Colorado	3	4	7	0	3
Idaho	1	3	4	0	1
Montana	3	5	9	0	3
Nevada	1	3	2	0	1
New Mexico	5	7	10	0	4
Utah	4	6	3	0	3
Wyoming	3	5	3	0	2
Pacific Contiguous	**1**	**1**	**2**	**0**	**1**
California	1	1	3	0	1
Oregon	1	3	6	0	2
Washington	1	3	6	0	2
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	3	6	8	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**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.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 November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**28**	**0**
Connecticut	0	0	3	0	0
Maine	0	2	2	0	1
Massachusetts	0	1	4	52	1
New Hampshire	0	1	3	0	0
Rhode Island	0	9	0	0	4
Vermont	1	2	6	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	2	1	0	1
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	0	1	2	0	1
Michigan	0	1	1	0	0
Ohio	0	1	2	0	0
Wisconsin	0	1	2	0	1
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	3	3	0	1
Kansas	1	1	3	0	1
Minnesota	1	2	2	0	1
Missouri	1	1	4	0	1
Nebraska	1	3	3	0	1
North Dakota	1	2	4	0	1
South Dakota	1	4	5	0	2
South Atlantic	**0**	**0**	**1**	**15**	**0**
Delaware	1	7	7	0	3
District of Columbia	0	3	0	50	3
Florida	0	0	2	0	0
Georgia	1	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	2	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	3	0	1
Mississippi	1	1	2	0	1
Tennessee	0	1	4	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	2	85	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	1	2	0	1
Colorado	1	2	4	0	1
Idaho	0	2	1	0	1
Montana	1	3	4	0	2
Nevada	0	2	1	0	0
New Mexico	1	4	6	0	2
Utah	1	3	2	0	1
Wyoming	1	3	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	2	0	0
Oregon	0	2	3	0	1
Washington	0	2	3	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	4	4	0	2
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, November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**34**	**1**
Connecticut	0	0	4	0	1
Maine	0	3	1	0	1
Massachusetts	0	0	3	49	1
New Hampshire	0	0	2	0	1
Rhode Island	0	18	0	0	8
Vermont	1	1	3	0	1
Middle Atlantic	**0**	**1**	**1**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	3	2	0	1
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	0	2	0	0
Indiana	1	1	1	0	1
Michigan	0	1	1	0	0
Ohio	0	0	1	0	0
Wisconsin	1	1	2	0	1
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	2	3	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	2	0	1
Nebraska	1	2	4	0	1
North Dakota	1	1	3	0	1
South Dakota	2	3	4	0	1
South Atlantic	**0**	**0**	**1**	**17**	**0**
Delaware	1	1	19	0	2
District of Columbia	0	0	0	55	1
Florida	0	0	3	0	0
Georgia	1	1	2	0	1
Maryland	1	0	2	0	0
North Carolina	1	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**0**	**1**	**0**	**0**
Alabama	1	1	2	0	1
Kentucky	1	1	1	0	1
Mississippi	1	1	3	0	1
Tennessee	1	1	2	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	2	0	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	3	0	1
Texas	0	1	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	1	1	2	0	1
Colorado	1	2	3	0	1
Idaho	1	1	2	0	1
Montana	1	2	5	0	1
Nevada	0	5	1	0	1
New Mexico	2	3	5	0	2
Utah	1	2	2	0	1
Wyoming	1	2	1	0	1
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	1	0	0
Oregon	1	1	3	0	1
Washington	1	2	3	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	2	4	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**3**	**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 November 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**3**	**28**	**1**
Connecticut	0	1	4	0	1
Maine	0	2	2	0	1
Massachusetts	0	1	7	52	1
New Hampshire	0	1	4	0	1
Rhode Island	0	9	0	0	4
Vermont	0	3	8	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	2	1	0	1
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	0	1	2	0	1
Indiana	0	1	2	0	1
Michigan	0	1	1	0	1
Ohio	0	1	2	0	1
Wisconsin	0	2	2	0	1
West North Central	**0**	**1**	**2**	**0**	**1**
Iowa	0	4	3	0	2
Kansas	0	1	3	0	1
Minnesota	0	3	3	0	1
Missouri	0	1	5	0	1
Nebraska	0	5	4	0	2
North Dakota	0	3	5	0	2
South Dakota	1	6	5	0	2
South Atlantic	**0**	**0**	**1**	**15**	**0**
Delaware	0	7	9	0	3
District of Columbia	0	3	0	50	3
Florida	0	0	3	0	0
Georgia	0	1	2	0	0
Maryland	0	1	4	0	0
North Carolina	0	1	2	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**2**	**0**	**1**
Alabama	0	1	1	0	0
Kentucky	0	2	3	0	1
Mississippi	0	1	3	0	1
Tennessee	0	2	5	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	0	1	2	83	1
Louisiana	0	1	1	0	0
Oklahoma	0	1	3	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**0**
Arizona	0	1	3	0	1
Colorado	1	3	4	0	1
Idaho	0	3	1	0	1
Montana	1	5	5	0	2
Nevada	0	2	1	0	1
New Mexico	1	4	6	0	2
Utah	1	3	2	0	1
Wyoming	1	4	2	0	1
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	2	0	0
Oregon	0	3	4	0	1
Washington	0	2	3	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	2	6	5	0	3
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 2014

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
2014	1	01/06/2014 7:01 AM	01/07/2014 9:00 AM	25 Hours, 59 Minutes	ERCOT	TRE	Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	Potomac Electric Power Co	RFC	District of Columbia	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PJM Interconnection	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:49 PM	0 Hours, 59 Minutes	UGI Utilities, Inc	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	200	62000
2014	1	01/06/2014 7:52 PM	01/06/2014 8:45 PM	0 Hours, 53 Minutes	Delmarva Power & Light Company	RFC	Delaware	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 8:45 PM	01/07/2014 9:00 PM	24 Hours, 15 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 10:00 PM	01/06/2014 10:01 PM	0 Hours, 1 Minutes	Louisville Gas & Electric Co	RFC	Kentucky	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 7:58 AM	01/07/2014 11:00 AM	3 Hours, 2 Minutes	Duke Energy Progress	SERC	North Carolina	Voltage Reduction; Public Appeal due to Severe Weather - Cold	14435	Unknown
2014	1	01/07/2014 9:30 AM	01/08/2014 9:30 AM	24 Hours, 0 Minutes	Duke Energy Carolinas	SERC	Piedmont North Carolina, Piedmont South Carolina	Fuel Supply Emergency due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 10:59 AM	01/09/2014 9:00 AM	46 Hours, 1 Minutes	Prairie Power, Inc.	RFC	Illinois	Fuel Supply Emergency - Natural Gas	N/A	N/A
2014	1	01/07/2014 4:15 PM	01/08/2014 1:20 PM	21 Hours, 5 Minutes	Duke Energy Progress	SERC	North Carolina	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 PM	01/07/2014 11:00 PM	5 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4853	677858
2014	1	01/07/2014 9:00 PM	01/08/2014 9:00 AM	12 Hours, 0 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/08/2014 5:00 AM	01/08/2014 6:30 AM	1 Hours, 30 Minutes	American Electric Power	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	576	Unknown
2014	1	01/08/2014 6:00 AM	01/08/2014 9:00 AM	3 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4545	677858
2014	1	01/17/2014 10:30 AM	01/28/2014 9:00 AM	262 Hours, 30 Minutes	Prairie Power, Inc.	RFC	Illinois	Fuel Supply Emergency - Natural Gas	Unknown	Unknown
2014	1	01/18/2014 9:00 AM	01/18/2014 9:45 AM	0 Hours, 45 Minutes	ERCOT	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	1	01/18/2014 5:39 PM	. .	. Hours, . Minutes	First Energy Solutions Corp.	RFC	Unknown	Electrical System Islanding	Unknown	Unknown
2014	1	01/23/2014 4:00 AM	01/24/2014 12:00 PM	32 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 1:04 PM	01/24/2014 9:00 AM	19 Hours, 56 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 4:00 PM	01/24/2014 12:00 PM	20 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/24/2014 12:00 AM	. .	. Hours, . Minutes	We Energies	RFC	Wisconsin	Fuel Supply Emergency - Coal	Unknown	
2014	1	01/27/2014 2:20 PM	01/28/2014 9:00 PM	30 Hours, 40 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	2	02/05/2014 12:00 AM	02/09/2014 6:00 PM	114 Hours, 0 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Snow/Ice	Unknown	101580
2014	2	02/05/2014 1:00 AM	02/09/2014 8:40 PM	115 Hours, 40 Minutes	FirstEnergy Corp: Met-Ed	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	144000
2014	2	02/05/2014 5:00 AM	02/05/2014 5:01 AM	0 Hours, 1 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	715000
2014	2	02/05/2014 7:00 AM	02/23/2014 7:00 AM	432 Hours, 0 Minutes	Upstate New York Power Producers	NPCC	New York	Fuel Supply Emergency - Coal	300	Unknown
2014	2	02/05/2014 7:35 AM	02/07/2014 4:03 AM	44 Hours, 28 Minutes	PPL Electric Utilities Corp	RFC	Lancaster Region, Pennsylvania	Severe Weather - Snow/Ice	Unknown	62159
2014	2	02/05/2014 8:05 AM	02/05/2014 8:06 AM	0 Hours, 1 Minutes	Baltimore Gas & Electric Company	RFC	Baltimore, Maryland	Severe Weather - Ice	800	181000
2014	2	02/06/2014 1:00 PM	02/06/2014 10:00 PM	9 Hours, 0 Minutes	California ISO	WECC	California	Fuel Supply Emergency - Natural Gas	4000	Unknown
2014	2	02/06/2014 1:05 PM	02/06/2014 7:15 PM	6 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Fuel Supply Emergency - Natural Gas	160	Unknown
2014	2	02/06/2014 1:58 PM	02/06/2014 8:40 PM	6 Hours, 42 Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/06/2014 2:15 PM	02/06/2014 7:39 PM	5 Hours, 24 Minutes	Southern California Edison	WECC	California	Fuel Supply Emergency - Natural Gas	611	Unknown
2014	2	02/06/2014 3:35 PM	02/07/2014 11:30 AM	19 Hours, 55 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 7:00 AM	03/21/2014 8:00 AM	1,009 Hours, 0 Minutes	Somerset Operating Company, LLC	NPCC	Niagara County New York	Fuel Supply Emergency - Coal	675	Unknown
2014	2	02/07/2014 4:30 PM	02/08/2014 9:00 AM	16 Hours, 30 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 4:50 PM	02/07/2014 8:30 PM	3 Hours, 40 Minutes	American Electric Power	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/12/2014 7:48 AM	02/15/2014 4:30 AM	68 Hours, 42 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Snow/Ice	1246	373835
2014	2	02/12/2014 11:03 AM	02/15/2014 8:40 AM	69 Hours, 37 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Severe Weather - Snow/Ice	700	120124
2014	2	02/12/2014 12:10 PM	02/15/2014 3:20 PM	75 Hours, 10 Minutes	Duke Energy Progress	SERC	North Carolina	Severe Weather - Snow/Ice	Unknown	200000
2014	2	02/20/2014 4:40 PM	02/21/2014 11:59 PM	31 Hours, 19 Minutes	Ameren Missouri	SERC	Missouri, Illinois	Severe Weather - Snow/Ice	Unknown	66000
2014	2	02/21/2014 2:53 AM	02/21/2014 9:00 PM	18 Hours, 7 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Thunderstorms/High Winds	221	66445
2014	3	03/02/2014 7:00 PM	03/04/2014 9:00 AM	38 Hours, 0 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	3	03/03/2014 1:48 AM	03/03/2014 1:49 AM	0 Hours, 1 Minutes	Public Utility District #1 of Chelan County (CHPD)	WECC	Mid-Columbia River Generation, Washington	Fuel Supply Emergency - Hydro	630	Unknown
2014	3	03/03/2014 6:40 AM	03/03/2014 3:28 PM	8 Hours, 48 Minutes	Tennessee Valley Authority	SERC	Tennessee	Severe Weather - Winter Storm	Unknown	65904
2014	3	03/04/2014 9:06 AM	03/17/2014 9:06 AM	312 Hours, 0 Minutes	Wisconsin Public Service Corp	MRO	Weston, Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	3	03/07/2014 3:30 AM	03/07/2014 9:00 PM	17 Hours, 30 Minutes	Duke Energy Carolinas	SERC	Triad, North Carolina	Severe Weather - Winter Storm	1500	370900
2014	3	03/12/2014 7:35 PM	03/13/2014 12:00 PM	16 Hours, 25 Minutes	Duke Energy Carolinas	SERC	North Carolina	Severe Weather - High Winds	250	61377
2014	3	03/26/2014 1:37 PM	03/26/2014 2:33 PM	0 Hours, 56 Minutes	Peak Reliability	WECC	Montana	Electrical System Separation (Islanding)	Unknown	Unknown
2014	3	03/31/2014 3:41 PM	03/31/2014 8:08 PM	4 Hours, 27 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	System Wide Voltage Reduction	Unknown	Unknown
2014	4	04/03/2014 12:00 AM	. .	. Hours, . Minutes	City of Garland / Texas Municipal Power Agency	TRE	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/03/2014 2:45 PM	04/09/2014 11:53 AM	141 Hours, 8 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/04/2014 3:30 AM	04/04/2014 8:15 AM	4 Hours, 45 Minutes	Entergy Services, Inc.	SERC	Central Arkansas	Severe Weather - Wind	Unknown	57200
2014	4	04/08/2014 11:09 AM	04/08/2014 11:20 AM	0 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Voltage Reduction	Unknown	Unknown
2014	4	04/12/2014 6:15 PM	04/14/2014 9:00 AM	38 Hours, 45 Minutes	Consumers Energy	RFC	Western and Central Michigan	Severe Weather - Thunderstorms	Unknown	50000
2014	4	04/12/2014 8:00 PM	04/15/2014 7:30 PM	71 Hours, 30 Minutes	Detroit Edison Company	RFC	Michigan	Severe Weather	Unknown	164000
2014	4	04/23/2014 7:45 PM	04/23/2014 8:37 PM	0 Hours, 52 Minutes	MISO / Entergy Transmission	SERC	Baton Rouge, Louisiana	Load shedding of 100 Megawatts	163	28000
2014	4	04/24/2014 3:02 PM	04/24/2014 5:13 PM	2 Hours, 11 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	4	04/27/2014 9:15 AM	. .	. Hours, . Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	9750	4000000
2014	4	04/29/2014 9:37 AM	05/01/2014 9:00 AM	47 Hours, 23 Minutes	Tennessee Valley Authority	SERC	Northeastern Mississippi, Northern Alabama	Severe Weather - Thunderstorms	Unknown	57000
2014	4	04/29/2014 11:30 PM	04/29/2014 12:30 PM	-11 Hours, 0 Minutes	Southern Company	SERC	Mississippi, Alabama	Severe Weather - Thunderstorms	355	106648
2014	4	04/30/2014 3:50 AM	04/30/2014 2:00 PM	10 Hours, 10 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	296	89000

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2014

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
2014	5	05/09/2014 6:00 PM	05/11/2014 1:00 PM	43 Hours, 0 Minutes	Vectren Energy Delivery of Indiana	RFC	Indiana	Severe Weather - Heavy Winds	Unknown	56000
2014	5	05/14/2014 3:34 PM	. .	. Hours, . Minutes	San Diego Gas & Electric Company	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	N/A	N/A
2014	5	05/15/2014 10:43 AM	. .	. Hours, . Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3300	1400000
2014	5	05/16/2014 10:43 AM	05/16/2014 9:00 PM	10 Hours, 17 Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3900	1400000
2014	5	05/26/2014 12:31 PM	05/26/2014 1:18 PM	0 Hours, 47 Minutes	Peak Reliability	WECC	British Columbia & Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	6	06/03/2014 3:32 PM	06/03/2014 3:59 PM	0 Hours, 27 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding	338	N/A
2014	6	06/05/2014 3:00 AM	06/07/2014 11:45 PM	68 Hours, 45 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Severe Weather - Thunderstorms	494	38500
2014	6	06/05/2014 1:06 PM	06/05/2014 1:07 PM	0 Hours, 1 Minutes	Tennessee Valley Authority	SERC	West Tennessee	Severe Weather - Thunderstorms	Unknown	56475
2014	6	06/06/2014 1:00 PM	. .	. Hours, . Minutes	Luminant Energy Company, LLC	ERCOT	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/07/2014 11:00 PM	06/08/2014 5:30 AM	6 Hours, 30 Minutes	Southern Company	SERC	North and Central , Alabama	Severe Weather - Thunderstorms	217	65000
2014	6	06/09/2014 11:07 AM	06/09/2014 11:30 AM	0 Hours, 23 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding	Unknown	Unknown
2014	6	06/10/2014 9:50 PM	06/11/2014 2:30 PM	16 Hours, 40 Minutes	American Electric Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	66383
2014	6	06/15/2014 12:00 AM	06/15/2014 1:00 AM	1 Hours, 0 Minutes	Xcel Energy	MRO	Central Minnesota	Severe Weather - Thunderstorms	Unknown	55951
2014	6	06/18/2014 5:00 PM	06/20/2014 3:00 PM	46 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	138802
2014	6	06/27/2014 1:21 PM	. .	. Hours, . Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/30/2014 5:55 PM	07/01/2014 2:53 AM	8 Hours, 58 Minutes	We Energies	MRO	Southeast Wisconsin	Severe Weather - Thunderstorms	424	120000
2014	6	06/30/2014 8:00 PM	07/02/2014 6:30 PM	46 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	420000
2014	6	06/30/2014 11:20 PM	07/01/2014 5:00 PM	17 Hours, 40 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	127000
2014	7	07/01/2014 3:30 AM	. .	. Hours, . Minutes	Consumers Energy Co	RFC	Southwest Michigan	Severe Weather - Thunderstorms	Unknown	51000
2014	7	07/01/2014 4:00 AM	07/03/2014 11:30 PM	67 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	140000
2014	7	07/01/2014 5:00 AM	07/02/2014 2:00 AM	21 Hours, 0 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	57237
2014	7	07/02/2014 8:39 AM	07/28/2014 3:13 PM	630 Hours, 34 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	7	07/03/2014 6:00 PM	07/06/2014 12:00 PM	66 Hours, 0 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	298165
2014	7	07/03/2014 10:55 PM	07/04/2014 1:50 AM	2 Hours, 55 Minutes	ISO New England	NPCC	Vermont, New Hampshire, Maine, Rhode Island, Massachusetts, Connecticut	Severe Weather - Thunderstorms	Unknown	64000
2014	7	07/08/2014 5:30 PM	07/10/2014 3:00 PM	45 Hours, 30 Minutes	PPL Electric Utilities Corp	RFC	Central and Northeastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	66000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:20 PM	101 Hours, 50 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Thunderstorms	Unknown	96000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:30 PM	102 Hours, 0 Minutes	FirstEnergy Corp: Mon Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	71000
2014	7	07/08/2014 6:00 PM	07/11/2014 5:53 PM	71 Hours, 53 Minutes	FirstEnergy Corp: Met-Ed	RFC	Eastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	69000
2014	7	07/08/2014 7:21 PM	07/11/2014 7:00 AM	59 Hours, 39 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	Upstate New York	Severe Weather - Thunderstorms	Unknown	65000
2014	7	07/08/2014 8:30 PM	07/11/2014 11:00 PM	74 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	260000
2014	7	07/08/2014 9:31 PM	. .	. Hours, . Minutes	Baltimore Gas & Electric Company	RFC	Maryland	Severe Weather - Thunderstorms	Unknown	56600
2014	7	07/23/2014 7:14 PM	07/24/2014 12:23 AM	5 Hours, 9 Minutes	American Electric Power	SERC	Arkansas, Louisiana	Severe Weather - Thunderstorms	Unknown	57299
2014	7	07/24/2014 4:29 PM	07/24/2014 11:32 PM	7 Hours, 3 Minutes	Southern California Edison	WECC	California	Load shedding of 100 Megawatts	126	26856
2014	7	07/27/2014 5:00 PM	07/28/2014 11:00 PM	30 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	156611
2014	7	07/27/2014 11:00 PM	07/28/2014 4:00 AM	5 Hours, 0 Minutes	California Department of Water Resources	WECC	Central California	Uncontrolled Loss of 300 Megawatts	480	1
2014	8	08/13/2014 6:08 AM	08/13/2014 6:34 AM	0 Hours, 26 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	370	Unknown
2014	8	08/20/2014 1:21 AM	08/20/2014 1:41 AM	0 Hours, 20 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	8	08/23/2014 4:39 PM	08/24/2014 1:46 AM	9 Hours, 7 Minutes	Illinois Municipal Electric Agency	RFC	City of Highland, Illinois	Operational Failure of Electrical System	31	6549
2014	8	08/24/2014 3:20 AM	08/25/2014 7:05 AM	27 Hours, 45 Minutes	PG&E	WECC	North of San Francisco, California	Earthquake	95	70000
2014	8	08/26/2014 3:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	Unknown
2014	9	09/05/2014 4:30 PM	09/06/2014 2:00 PM	21 Hours, 30 Minutes	Exelon Corporation / ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	180400
2014	9	09/05/2014 7:14 PM	09/06/2014 1:00 PM	17 Hours, 46 Minutes	Consumers Energy	RFC	Lower Peninsula of Michigan	Severe Weather - Thunderstorms	50	60000
2014	9	09/05/2014 8:00 PM	. .	. Hours, . Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	324000
2014	9	09/09/2014 8:18 AM	09/09/2014 11:59 PM	15 Hours, 41 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/11/2014 4:56 AM	09/11/2014 5:37 AM	0 Hours, 41 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/14/2014 9:50 PM	09/17/2014 3:08 PM	65 Hours, 18 Minutes	Portland General Electric	WECC	Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/19/2014 2:20 PM	09/23/2014 1:10 PM	94 Hours, 50 Minutes	Portland General Electric	WECC	Estacada, Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/22/2014 11:00 AM	09/22/2014 11:01 AM	0 Hours, 1 Minutes	Minnesota Power Inc	MRO	Northeast Minnesota	Fuel Supply Emergency - Coal	1000	140000
2014	10	10/02/2014 4:00 PM	10/07/2014 10:00 AM	114 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas	Severe Weather - Thunderstorms	Unknown	500000
2014	10	10/02/2014 10:15 PM	. .	. Hours, . Minutes	Entergy Services, Inc.	SERC	Arkansas	Severe Weather - Thunderstorms	Unknown	67300
2014	10	10/06/2014 10:52 AM	10/07/2014 12:52 AM	14 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	292	129237
2014	10	10/08/2014 4:47 PM	10/08/2014 6:29 PM	1 Hours, 42 Minutes	ERCOT	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage; Load Shed of 100 MW	Unknown	Unknown
2014	10	10/08/2014 4:49 PM	10/08/2014 6:23 PM	1 Hours, 34 Minutes	American Electric Power - Texas	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage; Load Shed of 100 MW	585	120000
2014	10	10/09/2014 9:27 AM	. .	. Hours, . Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	2800
2014	10	10/13/2014 12:45 PM	10/13/2014 4:15 PM	3 Hours, 30 Minutes	Entergy Services, Inc.	SERC	Louisiana	Severe Weather - Thunderstorms	Unknown	68600
2014	10	10/14/2014 5:44 AM	10/14/2014 5:50 PM	12 Hours, 6 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	191	57475
2014	10	10/14/2014 6:20 PM	10/14/2014 6:28 PM	0 Hours, 8 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Voltage Reduction	Unknown	Unknown
2014	10	10/22/2014 10:46 PM	10/22/2014 10:47 PM	0 Hours, 1 Minutes	ISO New England	NPCC	New Hampshire, Maine, Massachusetts, Rhode Island, Connecticut, Vermont	Severe Weather	Unknown	66650
2014	10	10/25/2014 4:00 PM	10/25/2014 10:00 PM	6 Hours, 0 Minutes	Portland General Electric Co	WECC	Greater Portland and Salem, Oregon	Severe Weather - Wind	216	78000
2014	10	10/25/2014 6:00 PM	. .	. Hours, . Minutes	Puget Sound Energy	WECC	King County, Thurston County and Kitsap County, Washington	Severe Weather - Wind	154	96000

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2014

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
2014	11	11/02/2014 1:46 PM	. .	. Hours, . Minutes	ISO New England	NPCC	Massachusetts, Maine, Vermont, New Hampshire, Rhode Island, Connecticut	Severe Weather - Winter Storm	Unknown	63719
2014	11	11/11/2014 6:00 PM	11/14/2014 3:00 PM	69 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington	Severe Weather - Wind	132	68000
2014	11	11/14/2014 9:50 AM	11/14/2014 1:18 PM	3 Hours, 28 Minutes	Portland General Electric Co	WECC	Estacada, Oregon	Electrical System Islanding	1	123
2014	11	11/24/2014 12:00 AM	. .	. Hours, . Minutes	Southwestern Public Service Company	SPP	Nebraska, Kansas, Texas, Arkansas, Louisiana, New Mexico	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	11	11/24/2014 12:00 PM	11/27/2014 1:00 PM	73 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Wind	Unknown	186154
2014	11	11/26/2014 5:50 PM	11/28/2014 7:00 AM	37 Hours, 10 Minutes	ISO New England	NPCC	New Hampshire, Massachusetts, Maine, Rhode Island, Connecticut, Vermont	Severe Weather - Winter Storm	Unknown	79530

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, 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	12/01/2013 12:00 AM	4,835 Hours, 8 Minutes	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

Table B.2 Major Disturbances and Unusual Occurrences, 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	08/16/2013 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
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	11/12/2013 10:30 AM	1 Hours, 16 Minutes	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.'

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:

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

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, November 2014

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	23.62	6.05	--	1.03
Connecticut	--	6.20	--	1.03
Maine	24.86	6.34	--	1.02
Massachusetts	22.70	5.87	--	1.03
New Hampshire	25.91	5.77	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.65	5.95	--	1.03
New Jersey	26.03	5.82	--	1.04
New York	21.42	6.11	--	1.03
Pennsylvania	23.67	5.78	--	1.04
East North Central	20.07	5.77	28.79	1.03
Illinois	17.65	5.80	--	1.01
Indiana	22.20	5.75	29.70	1.03
Michigan	19.12	5.82	28.00	1.02
Ohio	24.24	5.75	29.23	1.04
Wisconsin	17.79	5.81	28.10	1.04
West North Central	16.72	5.80	--	1.04
Iowa	17.55	5.84	--	1.05
Kansas	17.34	5.75	--	1.03
Minnesota	17.67	5.72	--	1.05
Missouri	17.62	5.80	--	1.03
Nebraska	16.94	5.80	--	1.05
North Dakota	13.14	5.89	--	1.00
South Dakota	16.86	--	--	1.05
South Atlantic	23.63	5.83	27.76	1.03
Delaware	25.83	--	--	1.06
District of Columbia	--	--	--	--
Florida	23.63	5.80	28.26	1.02
Georgia	19.61	5.81	27.15	1.03
Maryland	25.12	5.82	--	1.07
North Carolina	25.04	5.79	--	1.03
South Carolina	24.96	5.96	--	1.03
Virginia	22.47	5.85	--	1.04
West Virginia	24.78	5.73	--	1.05
East South Central	21.23	5.78	28.18	1.03
Alabama	19.77	5.67	--	1.03
Kentucky	22.45	5.81	28.18	1.03
Mississippi	17.79	5.84	--	1.03
Tennessee	20.98	5.77	--	1.01
West South Central	16.04	5.87	28.50	1.03
Arkansas	17.56	5.80	--	1.03
Louisiana	15.98	5.89	28.50	1.04
Oklahoma	17.22	5.81	--	1.04
Texas	15.51	5.83	--	1.03
Mountain	18.95	5.79	--	1.04
Arizona	19.33	5.78	--	1.03
Colorado	19.06	5.88	--	1.06
Idaho	--	--	--	1.02
Montana	16.87	5.92	--	--
Nevada	19.98	5.82	--	1.04
New Mexico	18.04	5.66	--	1.05
Utah	22.30	5.88	--	1.03
Wyoming	17.58	5.79	--	0.99
Pacific Contiguous	17.80	6.00	--	1.03
California	22.75	--	--	1.03
Oregon	17.36	--	--	1.02
Washington	17.18	6.00	--	1.05
Pacific Noncontiguous	20.60	6.18	--	1.00
Alaska	--	--	--	1.00
Hawaii	20.60	6.18	--	--
U.S. Total	19.39	6.01	28.44	1.03

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

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 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	0.94%	1.61%	0.50%
Transportation	1.77%	0.88%	2.44%
Total	**0.18%**	**0.64%**	**0.27%**
Revenue			
Residential	0.71%	0.73%	0.13%
Commercial	0.61%	0.24%	0.20%
Industrial	0.70%	0.58%	0.20%
Transportation	4.35%	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	0.40%	1.02%	0.39%
Transportation	3.74%	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

	2010			2011			2012		
Item	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,850,750	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	971,221	0.94%	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**	**3,754,841**	**0.13%**	**3,726,163**	**3,749,846**	**0.64%**	**3,686,780**	**3,694,650**	**0.21%**
Revenue (Million Dollars)									
Residential	167,957	166,778	-0.70%	167,930	166,714	-0.72%	163,352	163,280	-0.04%
Commercial	136,361	135,554	-0.59%	136,138	135,927	-0.16%	133,908	133,898	-0.01%
Industrial	65,311	65,772	0.71%	67,212	67,606	0.59%	65,691	65,761	0.11%
Transportation	848	814	-4.01%	805	803	-0.25%	754	747	-0.90%
Total	**370,477**	**368,918**	**-0.42%**	**372,084**	**371,049**	**-0.28%**	**363,705**	**363,687**	**0.00%**
Average Retail Price (Cents/kWh)									
Residential	11.58	11.54	-0.36%	11.80	11.72	-0.66%	11.88	11.88	-0.04%
Commercial	10.26	10.19	-0.66%	10.32	10.24	-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	10.56	-3.67%	10.58	10.46	-1.11%	10.05	10.21	1.59%
Total	**9.88**	**9.83**	**-0.55%**	**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.