Independent Statistics & Analysis
U.S. Energy Information Administration

Electric Power Monthly

with Data for July 2015

September 2015

Independent Statistics & Analysis
www.eia.gov

U.S. Department of Energy
Washington, DC 20585

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Preface

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

Background

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

Data sources

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

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	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Net Generation (Thousand Megawatthours)											
Coal	139,413	150,007	-7.1%	105,950	115,276	32,333	33,485	44	64	1,087	1,182
Petroleum Liquids	1,215	1,024	18.6%	871	747	292	233	13	9	39	35
Petroleum Coke	1,145	1,028	11.5%	898	782	140	127	0	0	107	119
Natural Gas	139,997	114,582	22.2%	64,232	48,294	67,413	58,202	700	653	7,652	7,433
Other Gas	1,202	1,069	12.4%	12	4	286	335	0	0	903	730
Nuclear	71,412	71,940	-0.7%	37,055	38,031	34,357	33,909	0	0	0	0
Hydroelectric Conventional	21,029	24,260	-13.3%	18,970	22,294	1,941	1,783	NM	NM	115	179
Renewable Sources Excluding Hydroelectric	23,540	21,059	11.8%	2,731	2,384	17,972	15,758	299	297	2,538	2,620
... Wind	13,632	12,105	12.6%	1,955	1,771	11,663	10,323	NM	9	NM	NM
... Solar Thermal and Photovoltaic	2,813	1,844	52.5%	174	137	2,574	1,661	63	45	NM	NM
... Wood and Wood-Derived Fuels	3,817	3,838	-0.5%	349	249	1,040	1,080	8	7	2,419	2,502
... Other Biomass	1,849	1,887	-2.0%	159	134	1,360	1,404	218	236	112	113
... Geothermal	1,428	1,384	3.2%	93	93	1,335	1,291	0	0	0	0
Hydroelectric Pumped Storage	-507	-545	-7.0%	-406	-445	-101	-100	0	0	0	0
Other Energy Sources	1,174	1,108	5.9%	56	52	580	594	109	112	429	350
All Energy Sources	399,620	385,533	3.7%	230,370	227,419	155,212	144,326	1,168	1,139	12,870	12,649
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	76,401	81,580	-6.3%	57,198	61,315	18,769	19,793	15	21	420	450
Petroleum Liquids (1000 barrels)	2,068	1,710	20.9%	1,558	1,344	420	306	28	20	62	40
Petroleum Coke (1000 tons)	421	366	15.0%	334	285	59	53	0	0	28	29
Natural Gas (1000 Mcf)	1,078,451	875,603	23.2%	507,350	379,006	510,597	438,296	5,878	5,690	54,626	52,612
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,353	1,490	-9.2%	0	0	152	200	53	77	1,148	1,213
Petroleum Liquids (1000 barrels)	274	253	7.9%	0	0	98	98	40	28	135	127
Petroleum Coke (1000 tons)	93	166	-44.2%	0	0	9	5	0	0	84	161
Natural Gas (1000 Mcf)	80,178	71,858	11.6%	0	0	27,811	26,661	4,511	3,663	47,856	41,534
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	77,754	83,070	-6.4%	57,198	61,315	18,921	19,992	68	98	1,568	1,664
Petroleum Liquids (1000 barrels)	2,342	1,964	19.2%	1,558	1,344	518	405	68	48	197	167
Petroleum Coke (1000 tons)	513	532	-3.5%	334	285	68	57	0	0	111	190
Natural Gas (1000 Mcf)	1,158,629	947,462	22.3%	507,350	379,006	538,407	464,957	10,390	9,353	102,482	94,146
Fuel Stocks (end-of-month)											
Coal (1000 tons)	162,393	127,478	27.4%	125,732	97,031	34,474	28,209	162	308	2,025	1,931
Petroleum Liquids (1000 barrels)	30,345	29,754	2.0%	19,808	20,080	8,630	7,734	318	379	1,590	1,562
Petroleum Coke (1000 tons)	1,243	536	132.0%	909	W	156	W	W	W	W	W

Sales, Revenue, and Average Retail Price for July									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	July 2015	July 2014	Percentage Change	July 2015	July 2014	Percentage Change	July 2015	July 2014	Percentage Change
Residential	145,414	136,278	6.7%	18,881	17,790	6.1%	12.98	13.05	-0.5%
Commercial	129,387	126,282	2.5%	14,312	14,112	1.4%	11.06	11.17	-1.0%
Industrial	84,087	84,208	-0.1%	6,137	6,304	-2.7%	7.30	7.49	-2.5%
Transportation	673	643	4.8%	70	68	4.4%	10.47	10.51	-0.4%
All Sectors	359,562	347,411	3.5%	39,400	38,274	2.9%	10.96	11.02	-0.5%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values 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 2015 and 2014

Net Generation and Consumption of Fuels for January through July											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
Net Generation (Thousand Megawatthours)											
Coal	827,851	954,426	-13.3%	631,009	720,091	189,619	226,018	382	513	6,841	7,804
Petroleum Liquids	12,474	13,821	-9.7%	7,015	7,554	4,894	5,673	174	203	392	391
Petroleum Coke	6,585	7,345	-10.3%	4,928	5,671	968	865	4	4	686	805
Natural Gas	745,372	622,591	19.7%	332,974	267,185	359,459	301,863	4,247	4,122	48,692	49,421
Other Gas	7,264	6,302	15.3%	132	61	2,282	2,066	0	0	4,851	4,174
Nuclear	467,827	457,510	2.3%	244,530	242,298	223,297	215,212	0	0	0	0
Hydroelectric Conventional	155,345	164,838	-5.8%	140,747	149,477	13,260	13,740	NM	NM	1,315	1,594
Renewable Sources Excluding Hydroelectric	169,492	169,020	0.3%	20,781	20,797	130,126	129,099	1,943	1,883	16,642	17,241
... Wind	107,508	111,789	-3.8%	16,528	16,966	90,868	94,738	78	59	34	26
... Solar Thermal and Photovoltaic	15,839	10,514	50.6%	998	765	14,483	9,470	343	267	15	13
... Wood and Wood-Derived Fuels	24,348	24,846	-2.0%	1,758	1,571	6,693	6,792	44	42	15,853	16,441
... Other Biomass	11,981	12,256	-2.2%	874	845	8,889	9,134	1,479	1,515	739	762
... Geothermal	9,815	9,614	2.1%	623	650	9,192	8,964	0	0	0	0
Hydroelectric Pumped Storage	-2,747	-3,368	-18.4%	-2,156	-2,778	-592	-590	0	0	0	0
Other Energy Sources	7,350	7,163	2.6%	271	269	3,751	3,864	691	688	2,637	2,342
All Energy Sources	2,396,813	2,399,648	-0.1%	1,380,231	1,410,626	927,064	897,811	7,464	7,440	82,055	83,772
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	448,858	510,324	-12.0%	337,448	379,468	108,674	127,732	141	168	2,596	2,956
Petroleum Liquids (1000 barrels)	21,229	23,729	-10.5%	12,676	13,681	7,668	9,169	414	465	471	413
Petroleum Coke (1000 tons)	2,438	2,695	-9.5%	1,853	2,081	406	371	1	1	178	243
Natural Gas (1000 Mcf)	5,613,976	4,741,303	18.4%	2,574,022	2,098,371	2,656,473	2,253,038	36,827	36,607	346,654	353,287
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	9,711	10,955	-11.4%	0	0	1,075	1,423	525	651	8,111	8,881
Petroleum Liquids (1000 barrels)	2,943	3,084	-4.6%	0	0	748	768	653	741	1,542	1,576
Petroleum Coke (1000 tons)	756	755	0.2%	0	0	64	45	8	7	685	703
Natural Gas (1000 Mcf)	536,984	508,358	5.6%	0	0	187,991	185,470	31,006	27,634	317,987	295,254
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	458,570	521,279	-12.0%	337,448	379,468	109,749	129,155	666	819	10,706	11,837
Petroleum Liquids (1000 barrels)	24,172	26,813	-9.9%	12,676	13,681	8,416	9,937	1,067	1,206	2,014	1,989
Petroleum Coke (1000 tons)	3,195	3,451	-7.4%	1,853	2,081	470	416	9	8	863	946
Natural Gas (1000 Mcf)	6,150,959	5,249,661	17.2%	2,574,022	2,098,371	2,844,464	2,438,508	67,832	64,242	664,641	648,541

Sales, Revenue, and Average Retail Price for January through July									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	Percentage Change
Residential	827,546	829,946	-0.3%	104,227	102,924	1.3%	12.59	12.40	1.5%
Commercial	788,276	784,554	0.5%	83,666	84,003	-0.4%	10.61	10.71	-0.9%
Industrial	552,199	551,976	0.0%	37,716	38,833	-2.9%	6.83	7.04	-3.0%
Transportation	4,518	4,624	-2.3%	466	473	-1.5%	10.31	10.22	0.9%
All Sectors	2,172,539	2,171,099	0.1%	226,075	226,232	-0.1%	10.41	10.42	-0.1%

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, 2015 and 2014

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal (1000 tons)	66,756	72,363	42.34	46.03	309	340	445,368	475,730	43.67	46.13
Petroleum Liquids (1000 barrels)	1,450	1,392	76.23	128.63	165	171	14,523	17,136	77.32	130.70
Petroleum Coke (1000 tons)	451	399	54.69	53.73	12	12	2,751	2,858	55.66	57.20
Natural Gas (1000 Mcf)	1,052,415	860,304	3.22	4.57	783	754	5,524,506	4,709,007	3.61	5.75

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal (1000 tons)	49,925	53,172	43.13	47.43	215	236	335,332	342,791	44.34	47.07
Petroleum Liquids (1000 barrels)	1,033	988	76.20	129.22	108	111	9,123	9,571	75.86	131.01
Petroleum Coke (1000 tons)	395	339	52.91	51.25	9	8	2,313	2,459	53.51	55.77
Natural Gas (1000 Mcf)	481,794	364,240	3.59	4.97	413	381	2,456,996	2,043,123	3.87	5.75

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal (1000 tons)	16,048	18,407	38.91	40.92	71	81	105,039	127,622	40.55	42.67
Petroleum Liquids (1000 barrels)	360	385	75.81	128.67	48	51	4,905	7,363	79.73	130.70
Petroleum Coke (1000 tons)	40	39	W	W	1	2	291	286	67.80	W
Natural Gas (1000 Mcf)	507,866	435,451	2.80	4.15	322	328	2,663,466	2,258,317	3.40	5.92

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal (1000 tons)	5	11	W	W	3	2	72	107	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)	528	471	W	W	3	2	3,224	2,868	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	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal (1000 tons)	778	773	W	W	20	21	4,924	5,210	W	W
Petroleum Liquids (1000 barrels)	57	20	79.16	98.08	9	9	495	202	82.78	116.06
Petroleum Coke (1000 tons)	16	20	W	W	2	2	147	113	W	W
Natural Gas (1000 Mcf)	62,227	60,142	W	W	45	43	400,819	404,699	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, 2015 and 2014

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal	1,279,175	1,404,470	2.21	2.37	309	340	8,631,151	9,287,521	2.25	2.36
Petroleum Liquids	8,778	8,413	12.58	21.29	165	171	87,979	103,373	12.75	21.65
Petroleum Coke	12,797	11,392	1.93	1.88	12	12	78,010	81,070	1.96	2.01
Natural Gas	1,089,089	886,181	3.11	4.43	783	754	5,711,832	4,839,306	3.49	5.59
Fossil Fuels	2,389,839	2,310,457	2.63	3.17	973	962	14,508,972	14,311,269	2.77	3.51

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal	962,976	1,048,298	2.24	2.40	215	236	6,550,298	6,770,275	2.27	2.38
Petroleum Liquids	6,304	5,999	12.49	21.28	108	111	55,600	57,863	12.44	21.67
Petroleum Coke	11,256	9,697	1.86	1.79	9	8	65,786	69,885	1.88	1.96
Natural Gas	499,194	374,870	3.46	4.83	413	381	2,538,581	2,095,275	3.74	5.60
Fossil Fuels	1,479,731	1,438,864	2.69	3.11	542	524	9,210,265	8,993,298	2.73	3.25

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal	298,566	338,433	2.09	2.23	71	81	1,967,657	2,397,262	2.16	2.27
Petroleum Liquids	2,124	2,293	12.81	21.58	48	51	29,359	44,261	13.29	21.71
Petroleum Coke	1,119	1,124	W	W	1	2	8,151	8,027	2.42	W
Natural Gas	524,872	448,710	2.71	4.03	322	328	2,755,325	2,323,577	3.29	5.75
Fossil Fuels	826,682	790,560	W	W	379	389	4,760,492	4,773,128	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	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal	124	261	W	W	3	2	1,433	2,475	W	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	540	475	W	W	3	2	3,277	2,896	W	W
Fossil Fuels	664	736	W	W	3	2	4,710	5,372	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
Coal	17,508	17,479	W	W	20	21	111,763	117,508	W	W
Petroleum Liquids	350	121	12.95	15.79	9	9	3,020	1,248	13.57	18.79
Petroleum Coke	422	571	W	W	2	2	4,073	3,158	W	W
Natural Gas	64,482	62,126	W	W	45	43	414,649	417,558	W	W
Fossil Fuels	82,762	80,296	W	W	49	47	533,506	539,471	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), 2005-July 2015
(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											
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	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	253,508	-4,681	13,588	4,065,964
2014	1,585,697	18,708	11,781	1,121,928	11,578	797,067	258,749	281,060	-6,209	12,576	4,092,935
Year 2013											
January	138,105	1,733	1,042	88,559	1,144	71,406	24,829	21,518	-465	1,098	348,967
February	123,547	1,130	867	80,283	968	61,483	20,418	20,330	-320	1,020	309,728
March	130,634	990	1,007	84,725	1,070	62,947	20,534	22,810	-462	1,143	325,399
April	111,835	995	891	78,036	1,020	56,767	25,097	23,961	-292	1,024	299,333
May	119,513	1,067	1,345	83,816	1,088	62,848	28,450	23,254	-334	1,110	322,156
June	138,283	1,035	1,307	99,615	1,048	66,430	27,384	20,954	-358	1,125	356,823
July	152,867	1,458	1,354	120,771	1,148	70,539	27,255	18,593	-340	1,201	394,846
August	149,426	1,076	1,372	121,156	1,143	71,344	21,633	17,382	-465	1,217	385,286
Sept	133,110	964	1,222	102,063	1,087	65,799	16,961	18,991	-439	1,182	340,941
October	120,996	945	1,074	88,587	1,072	63,184	17,199	21,058	-373	1,185	314,925
November	120,940	989	850	84,287	1,060	64,975	17,677	23,030	-413	1,143	314,540
December	141,860	1,438	1,013	92,936	1,006	71,294	21,128	21,626	-421	1,141	353,021
Year 2014											
January	157,316	6,041	1,181	90,926	943	73,064	21,636	25,705	-290	1,009	377,531
February	143,638	1,866	941	75,449	760	62,639	17,449	20,955	-445	877	324,128
March	136,781	2,083	1,215	77,950	847	62,397	24,219	26,005	-421	1,036	332,111
April	109,591	910	811	76,728	784	56,385	25,053	26,776	-378	993	297,653
May	119,033	976	1,056	88,514	936	62,947	26,406	23,994	-636	1,071	324,299
June	138,060	921	1,113	98,441	962	68,138	25,814	24,526	-653	1,069	358,392
July	150,007	1,024	1,028	114,582	1,069	71,940	24,260	21,059	-545	1,108	385,533
August	148,882	1,065	1,009	121,849	1,064	71,129	19,757	19,141	-840	1,136	384,192
Sept	126,484	963	951	106,295	1,104	67,535	15,933	19,994	-542	1,070	339,788
October	111,838	923	580	97,125	1,034	62,391	17,088	22,969	-448	1,059	314,560
November	119,351	988	753	83,990	1,012	65,140	18,712	27,228	-531	1,045	317,689
December	124,715	948	1,143	90,077	1,061	73,363	22,420	22,708	-480	1,103	337,059
Year 2015											
January	132,742	1,953	1,039	101,330	1,086	74,270	24,459	23,448	-528	1,063	360,863
February	127,087	5,237	1,115	91,013	1,020	63,462	22,590	22,830	-416	915	334,851
March	108,642	1,082	734	98,889	951	64,547	24,696	24,106	-358	959	324,248
April	88,835	922	806	92,516	915	59,757	22,468	26,584	-208	1,030	293,627
May	104,857	1,031	928	101,148	1,011	65,833	20,102	26,252	-357	1,103	321,906
June	126,276	1,034	817	120,481	1,079	68,546	20,002	22,733	-374	1,104	361,698
July	139,413	1,215	1,145	139,997	1,202	71,412	21,029	23,540	-507	1,174	399,620
Year to Date											
2013	914,782	8,407	7,813	635,805	7,485	452,421	173,967	151,421	-2,572	7,721	2,357,251
2014	954,426	13,821	7,345	622,591	6,302	457,510	164,838	169,020	-3,368	7,163	2,399,648
2015	827,851	12,474	6,585	745,372	7,264	467,827	155,345	169,492	-2,747	7,350	2,396,813
Rolling 12 Months Ending in July											
2014	1,620,758	19,234	12,876	1,111,621	11,670	794,106	259,436	271,107	-5,477	13,030	4,108,361
2015	1,459,122	17,362	11,022	1,244,708	12,540	807,384	249,256	281,532	-5,588	12,763	4,090,100

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 2013 and prior years are final. Values for 2014 and 2015 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), 2005-July 2015
(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										
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	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073
2014	181,791	15,874	2,447	43,050	10,966	7,388	2,915	16,628	258,749	539,809
Year 2013										
January	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347
February	14,076	387	45	3,083	782	507	213	1,236	20,418	40,749
March	15,756	547	72	3,300	917	601	240	1,378	20,534	43,345
April	17,476	573	93	2,863	848	576	256	1,274	25,097	49,058
May	16,239	649	104	3,174	923	620	238	1,308	28,450	51,704
June	13,748	749	122	3,330	890	617	221	1,278	27,384	48,338
July	11,094	743	85	3,536	911	640	246	1,337	27,255	45,847
August	9,634	845	99	3,634	962	628	258	1,322	21,633	39,015
Sept	11,674	874	75	3,353	884	597	235	1,299	16,961	35,952
October	13,635	875	112	3,341	863	606	262	1,363	17,199	38,256
November	15,803	775	49	3,407	888	594	283	1,230	17,677	40,707
December	13,967	804	46	3,606	920	621	296	1,366	21,128	42,754
Year 2014										
January	18,017	762	54	3,701	895	584	273	1,419	21,636	47,341
February	13,976	813	83	3,327	766	499	218	1,272	17,449	38,404
March	17,753	1,230	182	3,637	936	626	240	1,400	24,219	50,224
April	18,731	1,406	227	3,251	927	614	242	1,378	25,053	51,829
May	15,519	1,583	293	3,418	920	634	228	1,401	26,406	50,400
June	15,688	1,689	347	3,675	920	623	224	1,360	25,814	50,340
July	12,105	1,581	263	3,838	976	664	247	1,384	24,260	45,319
August	10,197	1,652	262	3,784	967	665	232	1,382	19,757	38,898
Sept	11,479	1,613	259	3,525	908	622	221	1,368	15,933	35,927
October	14,575	1,446	233	3,508	918	616	274	1,397	17,088	40,057
November	19,055	1,209	148	3,594	912	624	262	1,424	18,712	45,940
December	14,696	890	95	3,793	921	617	254	1,443	22,420	45,129
Year 2015										
January	15,258	1,114	59	3,752	935	609	274	1,448	24,459	47,907
February	14,964	1,470	163	3,379	777	512	233	1,330	22,590	45,419
March	15,361	1,934	287	3,437	841	549	251	1,447	24,696	48,802
April	17,835	2,194	374	3,168	869	586	215	1,344	22,468	49,052
May	17,060	2,318	347	3,321	902	619	238	1,447	20,102	46,353
June	13,398	2,382	383	3,475	891	617	215	1,373	20,002	42,735
July	13,632	2,431	383	3,817	939	672	239	1,428	21,029	44,569
Year to Date										
2013	103,126	3,947	534	22,686	6,141	4,140	1,652	9,193	173,967	325,388
2014	111,789	9,064	1,450	24,846	6,340	4,244	1,672	9,614	164,838	333,858
2015	107,508	13,841	1,997	24,348	6,152	4,164	1,666	9,815	155,345	324,837
Rolling 12-Month Ending in July										
2014	176,502	13,238	1,831	42,188	10,857	7,290	3,006	16,195	259,436	530,543
2015	177,510	20,652	2,994	42,551	10,779	7,307	2,908	16,830	249,256	530,788

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2. Net Generation by Energy Source: Electric Utilities, 2005-July 2015
(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											
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	1,188,452	9,446	9,522	501,427	798	406,114	243,040	32,417	-3,773	615	2,388,058
2014	1,199,986	11,133	9,059	477,417	92	419,773	234,788	34,359	-5,179	472	2,381,901
Year 2013											
January	103,536	1,018	700	39,880	71	36,748	22,563	2,966	-404	45	207,123
February	91,384	723	616	36,248	63	31,144	18,316	2,704	-270	47	180,975
March	97,675	755	687	37,661	59	31,426	18,349	2,846	-382	54	189,129
April	84,352	744	574	33,545	38	28,991	22,654	3,053	-232	42	173,761
May	90,053	785	1,035	36,891	61	32,977	25,924	2,836	-260	52	190,354
June	104,679	751	966	45,152	68	34,504	24,686	2,446	-261	43	213,033
July	114,402	950	976	52,966	66	36,733	24,705	2,245	-238	62	232,867
August	113,917	794	952	55,077	76	37,177	19,864	2,057	-417	60	229,557
Sept	99,056	664	905	45,845	75	34,459	15,422	2,591	-347	49	198,719
October	91,694	699	759	39,850	61	31,605	15,619	2,682	-307	51	182,713
November	92,146	731	609	36,703	78	32,939	15,975	3,085	-331	56	181,991
December	105,558	832	743	41,610	81	37,412	18,964	2,907	-326	55	207,837
Year 2014											
January	118,756	2,540	949	39,048	12	38,748	19,221	3,380	-218	30	222,467
February	106,949	1,077	706	31,214	7	32,937	15,644	2,736	-361	18	190,928
March	101,101	1,059	953	33,165	7	32,612	22,169	3,381	-355	41	194,132
April	80,172	715	572	32,854	18	30,312	22,652	3,394	-301	37	170,426
May	90,887	743	825	40,037	10	33,760	23,871	2,758	-541	42	192,393
June	106,951	672	885	42,573	3	35,898	23,625	2,762	-557	49	212,861
July	115,276	747	782	48,294	4	38,031	22,294	2,384	-445	52	227,419
August	114,968	759	770	52,289	4	37,182	17,991	2,017	-740	43	225,282
Sept	96,050	760	712	44,127	3	35,296	14,524	2,342	-461	40	193,394
October	84,811	681	456	40,176	3	32,017	15,434	2,914	-351	31	176,172
November	88,975	683	572	35,311	7	34,552	17,102	3,526	-441	45	180,332
December	95,090	698	879	38,330	13	38,428	20,259	2,764	-409	43	196,094
Year 2015											
January	99,479	1,170	804	43,606	24	39,377	22,308	3,092	-436	43	209,464
February	95,374	2,051	869	40,691	22	33,478	20,883	2,921	-347	40	195,982
March	82,595	702	502	43,729	20	33,328	22,434	3,190	-266	20	186,254
April	69,263	711	561	41,343	20	31,053	19,924	3,258	-146	39	166,025
May	81,574	724	691	44,824	19	35,089	18,286	3,149	-279	38	184,116
June	96,774	786	604	54,548	15	35,150	17,943	2,440	-276	35	208,019
July	105,950	871	898	64,232	12	37,055	18,970	2,731	-406	56	230,370
Year to Date											
2013	686,081	5,726	5,554	282,341	426	232,522	157,196	19,096	-2,046	345	1,387,242
2014	720,091	7,554	5,671	267,185	61	242,298	149,477	20,797	-2,778	269	1,410,626
2015	631,009	7,015	4,928	332,974	132	244,530	140,747	20,781	-2,156	271	1,380,231
Rolling 12 Months Ending in July											
2014	1,222,463	11,273	9,639	486,271	433	415,890	235,321	34,118	-4,505	540	2,411,442
2015	1,110,904	10,595	8,316	543,206	163	422,004	226,058	34,343	-4,556	473	2,351,506

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015
(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											
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	379,270	3,761	1,780	527,522	3,524	382,902	22,018	189,045	-908	6,742	1,515,657
2014	371,882	6,732	1,408	551,976	3,852	377,295	21,221	213,991	-1,030	6,740	1,554,067
Year 2013											
January	33,416	635	149	40,509	313	34,658	1,938	15,836	-61	545	127,938
February	31,100	346	132	36,722	261	30,340	1,736	15,140	-50	497	116,224
March	31,794	187	151	39,104	259	31,522	1,878	17,310	-80	574	122,699
April	26,434	206	144	37,081	284	27,776	2,189	18,463	-60	528	113,045
May	28,327	228	101	39,353	306	29,871	2,194	17,795	-74	574	118,674
June	32,481	241	141	46,520	280	31,926	2,365	15,810	-97	586	130,253
July	37,252	460	167	58,993	315	33,807	2,224	13,523	-103	605	147,241
August	34,371	239	211	57,526	300	34,167	1,525	12,505	-47	587	141,386
Sept	32,990	262	141	48,349	298	31,340	1,297	13,773	-92	561	128,919
October	28,248	202	149	41,022	343	31,578	1,339	15,695	-66	558	119,069
November	27,712	212	144	39,663	289	32,037	1,494	17,275	-82	554	119,297
December	35,144	544	151	42,679	274	33,881	1,839	15,919	-95	574	130,911
Year 2014											
January	37,261	3,280	110	43,590	318	34,316	2,056	19,544	-72	538	140,941
February	35,493	689	123	36,915	252	29,702	1,547	15,730	-84	472	120,838
March	34,439	917	130	36,867	258	29,785	1,833	19,873	-66	587	124,624
April	28,382	163	142	36,595	232	26,072	2,209	20,694	-77	528	114,941
May	27,050	192	126	41,279	352	29,187	2,327	18,500	-95	575	119,493
June	29,909	199	107	48,415	320	32,240	1,983	18,999	-96	570	132,647
July	33,485	233	127	58,202	335	33,909	1,783	15,758	-100	594	144,326
August	32,728	249	121	61,449	358	33,946	1,552	14,299	-101	597	145,198
Sept	29,301	157	144	54,485	363	32,238	1,213	15,009	-81	557	133,385
October	25,997	205	51	49,653	375	30,374	1,424	17,413	-97	569	125,963
November	29,323	245	88	40,990	337	30,589	1,374	21,050	-90	578	124,483
December	28,515	203	139	43,535	352	34,935	1,919	17,122	-71	576	127,227
Year 2015											
January	32,201	682	129	49,491	350	34,893	1,881	17,545	-92	566	137,647
February	30,669	3,008	133	43,256	381	29,984	1,483	17,417	-69	479	126,739
March	24,966	306	143	47,919	380	31,218	2,007	18,285	-92	497	125,629
April	18,708	165	140	44,407	324	28,705	2,299	20,753	-62	521	115,960
May	22,302	249	145	48,822	288	30,743	1,696	20,506	-78	554	125,227
June	28,441	192	139	58,151	273	33,396	1,953	17,648	-98	554	140,650
July	32,333	292	140	67,413	286	34,357	1,941	17,972	-101	580	155,212
Year to Date											
2013	220,804	2,302	984	298,283	2,020	219,898	14,524	113,876	-526	3,908	876,075
2014	226,018	5,673	865	301,863	2,066	215,212	13,740	129,099	-590	3,864	897,811
2015	189,619	4,894	968	359,459	2,282	223,297	13,260	130,126	-592	3,751	927,064
Rolling 12 Months Ending in July											
2014	384,485	7,133	1,661	531,102	3,571	378,216	21,234	204,267	-972	6,697	1,537,393
2015	335,483	5,952	1,511	609,572	4,068	385,380	20,742	215,019	-1,032	6,627	1,583,320

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.4. Net Generation by Energy Source: Commerical Sector, 2005-July 2015
(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											
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	839	118	5	7,154	0	0	44	2,956	0	1,118	12,234
2014	750	248	9	7,227	0	0	42	3,218	0	1,212	12,706
Year 2013											
January	89	19	1	562	0	0	4	222	0	85	981
February	81	14	1	512	0	0	4	202	0	74	888
March	78	7	1	574	0	0	4	241	0	90	995
April	63	7	0	541	0	0	4	235	0	95	946
May	69	8	0	546	0	0	5	256	0	97	981
June	75	7	0	593	0	0	5	253	0	93	1,026
July	76	13	0	779	0	0	5	263	0	100	1,236
August	71	7	1	697	0	0	4	267	0	101	1,147
Sept	60	6	1	652	0	0	3	252	0	99	1,073
October	49	7	1	550	0	0	2	258	0	96	961
November	60	8	0	525	0	0	2	248	0	92	936
December	68	16	1	623	0	0	3	259	0	95	1,064
Year 2014											
January	97	NM	1	638	0	0	NM	263	0	94	1,202
February	95	NM	1	579	0	0	NM	222	0	79	1,009
March	82	NM	1	582	0	0	NM	267	0	96	1,066
April	60	9	1	538	0	0	NM	277	0	103	992
May	52	9	0	548	0	0	NM	273	0	102	988
June	62	8	0	584	0	0	NM	285	0	103	1,045
July	64	9	0	653	0	0	NM	297	0	112	1,139
August	50	NM	1	679	0	0	NM	293	0	115	1,150
Sept	45	8	1	634	0	0	NM	274	0	109	1,073
October	32	8	1	616	0	0	NM	264	0	102	1,027
November	51	9	1	574	0	0	NM	251	0	97	986
December	59	11	1	601	0	0	NM	253	0	101	1,030
Year 2015											
January	57	NM	1	605	0	0	NM	260	0	94	1,050
February	74	NM	1	532	0	0	NM	242	0	84	1,025
March	66	12	1	605	0	0	NM	281	0	95	1,064
April	48	8	1	523	0	0	NM	280	0	100	963
May	47	11	0	657	0	0	NM	298	0	105	1,120
June	48	11	0	625	0	0	NM	284	0	105	1,075
July	44	13	0	700	0	0	NM	299	0	109	1,168
Year to Date											
2013	530	75	2	4,107	0	0	31	1,672	0	635	7,053
2014	513	203	4	4,122	0	0	NM	1,883	0	688	7,440
2015	382	174	4	4,247	0	0	NM	1,943	0	691	7,464
Rolling 12 Months Ending in July											
2014	821	NM	7	7,169	0	0	NM	3,167	0	1,171	12,621
2015	619	NM	9	7,351	0	0	NM	3,278	0	1,215	12,730

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015
(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											
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	12,554	495	2,036	88,733	8,531	0	3,463	29,091	0	5,113	150,015
2014	13,078	594	1,305	85,307	7,634	0	2,698	29,492	0	4,152	144,261
Year 2013											
January	1,064	61	192	7,608	759	0	324	2,494	0	423	12,924
February	983	47	118	6,801	644	0	363	2,285	0	402	11,642
March	1,086	42	169	7,387	752	0	302	2,413	0	425	12,576
April	986	37	173	6,869	698	0	250	2,210	0	358	11,580
May	1,063	46	209	7,025	721	0	328	2,367	0	387	12,147
June	1,048	36	201	7,351	699	0	328	2,445	0	402	12,511
July	1,138	36	211	8,033	767	0	320	2,563	0	434	13,502
August	1,066	36	208	7,856	767	0	240	2,553	0	468	13,195
Sept	1,004	33	175	7,218	714	0	239	2,375	0	473	12,230
October	1,005	37	166	7,165	667	0	239	2,423	0	481	12,182
November	1,022	37	98	7,395	694	0	206	2,422	0	442	12,317
December	1,089	47	118	8,025	650	0	322	2,541	0	417	13,210
Year 2014											
January	1,202	117	122	7,650	613	0	354	2,517	0	347	12,921
February	1,101	70	110	6,741	502	0	255	2,267	0	308	11,354
March	1,159	74	131	7,336	582	0	212	2,484	0	312	12,290
April	978	NM	97	6,741	534	0	187	2,411	0	324	11,294
May	1,044	32	105	6,650	575	0	203	2,463	0	352	11,425
June	1,138	41	121	6,869	638	0	203	2,480	0	347	11,839
July	1,182	35	119	7,433	730	0	179	2,620	0	350	12,649
August	1,136	48	117	7,432	702	0	211	2,532	0	382	12,561
Sept	1,088	38	95	7,050	738	0	193	2,369	0	365	11,935
October	998	30	72	6,679	656	0	228	2,378	0	357	11,397
November	1,002	51	92	7,115	668	0	233	2,402	0	325	11,887
December	1,051	37	124	7,611	695	0	240	2,569	0	382	12,708
Year 2015											
January	1,005	71	105	7,628	713	0	266	2,552	0	361	12,702
February	970	89	112	6,534	617	0	221	2,250	0	313	11,104
March	1,015	62	89	6,635	551	0	252	2,351	0	347	11,302
April	817	38	105	6,243	571	0	242	2,293	0	371	10,679
May	934	47	93	6,844	703	0	118	2,299	0	406	11,444
June	1,014	46	74	7,157	791	0	102	2,360	0	410	11,955
July	1,087	39	107	7,652	903	0	115	2,538	0	429	12,870
Year to Date											
2013	7,368	304	1,272	51,074	5,039	0	2,216	16,777	0	2,832	86,881
2014	7,804	391	805	49,421	4,174	0	1,594	17,241	0	2,342	83,772
2015	6,841	392	686	48,692	4,851	0	1,315	16,642	0	2,637	82,055
Rolling 12 Months Ending in July											
2014	12,990	NM	1,570	87,079	7,666	0	2,841	29,555	0	4,623	146,905
2015	12,116	595	1,186	84,579	8,310	0	2,419	28,892	0	4,447	142,544

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.6.A. Net Generation
by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	11,171	11,139	0.3%	262	305	10,497	10,283	NM	115	301	436
Connecticut	3,365	3,281	2.6%	NM	NM	3,279	3,182	NM	35	NM	61
Maine	896	1,353	-33.7%	NM	NM	651	981	NM	21	225	350
Massachusetts	3,955	3,312	19.4%	95	98	3,791	3,146	NM	47	NM	NM
New Hampshire	1,842	1,815	1.5%	82	142	1,750	1,664	NM	NM	NM	NM
Rhode Island	931	795	17.1%	NM	1	924	788	NM	NM	0	0
Vermont	182	583	-68.8%	80	61	101	522	NM	NM	0	0
Middle Atlantic	40,653	39,190	3.7%	3,661	3,168	36,393	35,408	216	206	383	408
New Jersey	7,201	6,431	12.0%	-4	-11	7,078	6,327	NM	60	NM	55
New York	13,416	12,946	3.6%	3,655	3,126	9,566	9,627	NM	107	NM	85
Pennsylvania	20,036	19,813	1.1%	NM	53	19,749	19,454	NM	38	243	268
East North Central	55,961	54,805	2.1%	25,878	29,007	28,962	24,691	215	184	906	923
Illinois	18,021	17,442	3.3%	960	909	16,755	16,226	NM	58	246	250
Indiana	9,928	9,893	0.4%	8,755	8,685	832	886	NM	20	315	302
Michigan	10,103	9,574	5.5%	7,447	7,869	2,439	1,508	95	78	122	119
Ohio	11,372	12,608	-9.8%	3,440	7,705	7,835	4,799	NM	NM	78	83
Wisconsin	6,536	5,288	23.6%	5,277	3,839	1,102	1,273	12	7	146	170
West North Central	31,574	30,829	2.4%	28,263	27,420	2,858	2,960	57	48	396	401
Iowa	5,038	4,889	3.1%	4,036	3,812	790	864	19	19	193	194
Kansas	4,743	4,933	-3.8%	4,040	4,207	684	710	0	0	NM	NM
Minnesota	5,552	4,689	18.4%	4,850	3,956	554	585	18	11	131	137
Missouri	8,517	8,566	-0.6%	8,201	8,326	293	219	19	16	NM	NM
Nebraska	3,779	3,641	3.8%	3,588	3,434	156	169	NM	NM	34	36
North Dakota	3,184	3,121	2.0%	2,933	2,845	236	262	NM	NM	14	13
South Dakota	760	990	-23.2%	614	840	147	150	NM	NM	0	0
South Atlantic	79,656	74,525	6.9%	65,692	61,538	12,159	11,274	NM	129	1,673	1,584
Delaware	859	797	7.8%	NM	NM	740	715	NM	NM	110	77
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	22,988	22,445	2.4%	21,125	20,513	1,392	1,472	NM	NM	462	453
Georgia	13,492	12,646	6.7%	10,953	11,052	2,096	1,198	NM	NM	440	394
Maryland	3,962	3,261	21.5%	NM	3	3,879	3,176	NM	55	NM	27
North Carolina	13,460	11,976	12.4%	12,364	10,490	933	1,284	20	17	143	186
South Carolina	9,446	9,031	4.6%	9,062	8,706	218	174	NM	NM	163	149
Virginia	8,421	7,069	19.1%	6,772	5,839	1,393	978	40	40	215	213
West Virginia	7,024	7,294	-3.7%	5,403	4,931	1,507	2,277	0	0	114	86
East South Central	37,409	34,260	9.2%	31,529	29,293	5,042	4,010	NM	NM	821	937
Alabama	15,128	13,781	9.8%	10,726	10,230	3,996	3,158	0	0	406	392
Kentucky	7,848	7,962	-1.4%	7,659	7,907	138	6	0	0	NM	48
Mississippi	6,597	5,245	25.8%	5,543	4,152	889	833	NM	NM	163	258
Tennessee	7,836	7,273	7.7%	7,601	7,004	19	12	NM	NM	200	239
West South Central	71,004	65,291	8.8%	27,108	24,590	37,214	34,441	103	98	6,580	6,162
Arkansas	6,170	5,586	10.5%	4,481	4,697	1,535	733	NM	NM	154	156
Louisiana	10,841	9,883	9.7%	6,806	5,410	1,140	2,031	NM	NM	2,879	2,425
Oklahoma	8,186	6,442	27.1%	5,400	4,368	2,706	1,992	NM	NM	75	78
Texas	45,807	43,380	5.6%	10,421	10,114	31,833	29,685	82	78	3,471	3,502
Mountain	36,469	37,619	-3.1%	28,889	29,314	7,234	8,011	45	40	301	254
Arizona	12,495	12,298	1.6%	9,721	9,489	2,762	2,796	13	13	0	0
Colorado	4,831	5,185	-6.8%	4,066	4,159	756	1,017	NM	NM	NM	NM
Idaho	1,462	1,638	-10.8%	1,013	1,205	405	390	0	0	44	43
Montana	2,468	2,847	-13.3%	812	912	1,655	1,934	0	0	NM	NM
Nevada	3,868	3,968	-2.5%	3,096	2,923	747	1,031	16	10	NM	NM
New Mexico	3,128	3,184	-1.8%	2,592	2,700	529	478	NM	NM	NM	NM
Utah	3,815	4,232	-9.9%	3,480	3,918	212	200	NM	7	116	107
Wyoming	4,403	4,268	3.2%	4,109	4,007	168	166	0	0	126	94
Pacific Contiguous	34,381	36,521	-5.9%	18,192	21,916	14,497	12,860	225	239	1,467	1,506
California	20,396	19,895	2.5%	7,430	7,970	11,470	10,359	213	232	1,282	1,334
Oregon	4,712	5,086	-7.4%	2,952	3,782	1,698	1,246	NM	6	53	52
Washington	9,273	11,540	-19.6%	7,810	10,164	1,329	1,255	NM	NM	132	120
Pacific Noncontiguous	1,341	1,355	-1.0%	896	869	356	388	48	60	41	39
Alaska	459	495	-7.3%	416	446	20	20	13	21	10	8
Hawaii	882	860	2.6%	480	423	336	367	35	38	31	31
U.S. Total	399,620	385,533	3.7%	230,370	227,419	155,212	144,326	1,168	1,139	12,870	12,649

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 July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	65,623	65,651	0.0%	2,362	2,626	60,381	59,642	778	806	2,102	2,576
Connecticut	22,044	19,706	11.9%	NM	32	21,507	19,113	195	210	318	351
Maine	7,025	8,152	-13.8%	NM	NM	5,247	5,923	134	138	1,644	2,091
Massachusetts	18,335	18,857	-2.8%	438	493	17,433	17,896	342	355	NM	113
New Hampshire	12,970	11,245	15.3%	1,357	1,577	11,544	9,593	NM	55	NM	NM
Rhode Island	4,039	3,437	17.5%	7	6	3,982	3,387	NM	NM	0	0
Vermont	1,208	4,253	-71.6%	536	518	669	3,732	NM	NM	0	0
Middle Atlantic	251,244	249,100	0.9%	20,438	20,374	226,919	224,802	1,356	1,284	2,530	2,640
New Jersey	42,709	38,193	11.8%	-19	-69	41,959	37,519	401	357	368	386
New York	80,294	79,741	0.7%	19,918	19,586	59,102	58,884	737	709	538	563
Pennsylvania	128,240	131,165	-2.2%	539	857	125,859	128,399	219	218	1,624	1,691
East North Central	357,412	365,642	-2.3%	177,586	194,226	172,670	164,373	1,287	1,194	5,869	5,849
Illinois	114,463	117,077	-2.2%	5,882	6,014	106,662	109,057	389	389	1,531	1,617
Indiana	62,931	69,852	-9.9%	53,835	61,711	7,100	6,309	137	128	1,859	1,704
Michigan	66,488	61,883	7.4%	48,979	48,870	16,117	11,661	560	499	833	853
Ohio	74,413	81,018	-8.2%	41,355	51,508	32,411	28,855	NM	112	530	544
Wisconsin	39,117	35,812	9.2%	27,535	26,124	10,381	8,491	84	65	1,116	1,132
West North Central	194,056	199,232	-2.6%	166,480	170,747	24,592	25,400	363	356	2,620	2,729
Iowa	34,403	33,524	2.6%	25,814	24,467	7,164	7,551	131	145	1,294	1,361
Kansas	26,845	29,174	-8.0%	21,180	23,069	5,580	6,044	0	0	85	61
Minnesota	33,191	33,147	0.1%	27,086	26,818	5,097	5,304	121	100	887	925
Missouri	49,884	53,237	-6.3%	48,345	51,854	1,406	1,239	100	101	NM	43
Nebraska	22,548	23,124	-2.5%	20,645	21,559	1,667	1,313	11	10	226	242
North Dakota	21,612	20,755	4.1%	19,183	18,054	2,333	2,605	NM	NM	96	96
South Dakota	5,573	6,271	-11.1%	4,228	4,926	1,345	1,345	NM	NM	0	0
South Atlantic	474,474	467,056	1.6%	389,137	382,512	73,709	72,868	849	814	10,779	10,861
Delaware	4,746	4,243	11.9%	NM	NM	4,014	3,814	NM	NM	699	403
District of Columbia	NM	38	NM	0	0	0	0	NM	38	0	0
Florida	138,203	133,866	3.2%	126,994	122,934	8,126	7,909	49	39	3,034	2,984
Georgia	77,553	74,842	3.6%	64,796	66,465	9,986	5,627	18	17	2,753	2,734
Maryland	22,963	24,064	-4.6%	22	25	22,428	23,502	334	321	179	216
North Carolina	78,513	77,388	1.5%	70,557	68,778	6,746	7,170	146	127	1,065	1,314
South Carolina	57,659	57,156	0.9%	55,601	55,118	1,017	827	NM	NM	1,030	1,204
Virginia	50,081	46,746	7.1%	40,444	37,708	8,076	7,407	253	263	1,308	1,368
West Virginia	44,720	48,713	-8.2%	30,693	31,460	13,316	16,613	0	0	711	640
East South Central	225,518	219,831	2.6%	188,639	190,880	30,980	22,435	NM	129	5,777	6,386
Alabama	89,081	87,644	1.6%	63,352	68,003	23,280	17,018	0	0	2,449	2,622
Kentucky	50,824	53,628	-5.2%	50,104	53,131	363	143	0	0	357	354
Mississippi	38,597	31,062	24.3%	29,928	24,174	7,203	5,183	NM	NM	1,453	1,693
Tennessee	47,017	47,497	-1.0%	45,256	45,572	133	92	NM	117	1,519	1,717
West South Central	399,306	389,859	2.4%	139,067	143,669	218,477	204,947	605	566	41,157	40,677
Arkansas	34,842	36,444	-4.4%	23,999	28,581	9,745	6,795	NM	NM	1,094	1,064
Louisiana	62,214	59,981	3.7%	34,835	29,514	11,100	14,187	107	109	16,172	16,172
Oklahoma	44,371	41,702	6.4%	29,172	28,549	14,760	12,648	NM	NM	420	493
Texas	257,879	251,731	2.4%	51,060	57,025	182,872	171,316	475	442	23,472	22,948
Mountain	211,691	214,757	-1.4%	165,706	168,099	44,077	44,687	262	272	1,647	1,699
Arizona	62,708	63,526	-1.3%	52,102	53,385	10,528	10,052	78	89	0	0
Colorado	29,993	31,723	-5.5%	23,459	24,097	6,481	7,565	22	28	30	33
Idaho	9,238	9,595	-3.7%	6,312	6,442	2,629	2,855	0	0	296	299
Montana	17,381	17,285	0.6%	5,082	5,642	12,294	11,636	0	0	NM	NM
Nevada	21,669	20,489	5.8%	15,686	14,539	5,849	5,821	80	62	53	67
New Mexico	18,331	18,984	-3.4%	14,604	15,233	3,689	3,704	38	46	NM	NM
Utah	24,160	24,610	-1.8%	22,608	22,849	1,069	1,129	43	48	439	584
Wyoming	28,212	28,544	-1.2%	25,852	25,911	1,538	1,925	0	0	822	708
Pacific Contiguous	208,364	219,126	-4.9%	124,607	131,220	72,996	76,242	1,485	1,632	9,276	10,032
California	109,402	112,367	-2.6%	40,666	40,548	59,219	61,415	1,412	1,572	8,105	8,832
Oregon	33,926	35,562	-4.6%	24,854	27,035	8,655	8,106	55	47	361	374
Washington	65,036	71,197	-8.7%	59,087	63,637	5,121	6,721	NM	NM	810	826
Pacific Noncontiguous	9,126	9,394	-2.8%	6,209	6,272	2,263	2,414	358	387	297	321
Alaska	3,507	3,600	-2.6%	3,160	3,236	148	140	137	168	63	57
Hawaii	5,619	5,793	-3.0%	3,049	3,036	2,115	2,274	221	219	234	264
U.S. Total	2,396,813	2,399,648	-0.1%	1,380,231	1,410,626	927,064	897,811	7,464	7,440	82,055	83,772

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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, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	173	237	-27.0%	19	64	151	170	0	0	NM	4
Connecticut	13	51	-73.4%	0	0	13	51	0	0	0	0
Maine	3	4	-21.9%	0	0	3	3	0	0	1	1
Massachusetts	138	119	16.2%	0	0	135	116	0	0	NM	NM
New Hampshire	19	64	-70.8%	19	64	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	6,024	7,194	-16.3%	NM	NM	5,953	7,111	NM	NM	68	79
New Jersey	120	263	-54.4%	0	0	120	263	0	0	0	0
New York	214	350	-38.9%	NM	NM	186	320	0	0	26	27
Pennsylvania	5,690	6,581	-13.5%	0	0	5,647	6,528	NM	NM	42	52
East North Central	31,038	33,164	-6.4%	19,760	24,146	11,016	8,718	15	24	247	276
Illinois	7,484	7,687	-2.6%	811	859	6,519	6,662	4	8	150	158
Indiana	7,879	8,545	-7.8%	7,380	8,056	493	478	5	10	NM	NM
Michigan	5,164	5,263	-1.9%	5,100	5,205	NM	32	6	6	14	20
Ohio	6,697	8,359	-19.9%	2,719	6,791	3,961	1,546	NM	NM	16	22
Wisconsin	3,815	3,310	15.2%	3,748	3,236	0	0	NM	NM	67	74
West North Central	20,386	20,950	-2.7%	20,077	20,624	NM	NM	16	17	290	305
Iowa	3,305	3,338	-1.0%	3,116	3,140	0	0	11	14	178	184
Kansas	2,775	3,073	-9.7%	2,775	3,073	0	0	0	0	0	0
Minnesota	2,641	2,445	8.0%	2,574	2,374	0	0	0	0	66	71
Missouri	6,549	7,080	-7.5%	6,537	7,069	NM	NM	5	4	NM	NM
Nebraska	2,555	2,333	9.5%	2,521	2,297	0	0	0	0	34	36
North Dakota	2,561	2,455	4.3%	2,552	2,446	0	0	0	0	9	9
South Dakota	0	224	-100.0%	0	224	0	0	0	0	0	0
South Atlantic	26,819	28,361	-5.4%	23,378	24,040	3,261	4,100	NM	NM	176	220
Delaware	48	55	-12.0%	0	0	48	55	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,330	5,094	-15.0%	4,128	4,872	189	205	0	0	NM	NM
Georgia	4,479	5,305	-15.6%	4,462	5,274	0	0	0	0	17	31
Maryland	1,599	1,464	9.3%	0	0	1,589	1,448	NM	NM	9	16
North Carolina	5,409	4,583	18.0%	5,257	4,405	132	156	2	0	NM	NM
South Carolina	2,562	2,950	-13.2%	2,546	2,936	0	0	0	0	16	15
Virginia	1,809	1,824	-0.8%	1,663	1,664	101	101	NM	NM	44	58
West Virginia	6,583	7,087	-7.1%	5,322	4,889	1,202	2,135	0	0	59	63
East South Central	16,357	17,202	-4.9%	15,937	16,782	315	318	0	NM	104	100
Alabama	4,886	4,931	-0.9%	4,874	4,918	0	0	0	0	12	13
Kentucky	7,053	7,488	-5.8%	7,053	7,488	0	0	0	0	0	0
Mississippi	843	1,270	-33.6%	527	953	315	318	0	0	0	0
Tennessee	3,575	3,512	1.8%	3,483	3,423	0	0	0	NM	92	87
West South Central	19,978	22,884	-12.7%	10,752	12,422	9,187	10,416	0	0	39	46
Arkansas	2,643	2,922	-9.6%	2,177	2,917	462	0	0	0	4	5
Louisiana	1,559	2,050	-24.0%	979	1,089	579	961	0	0	0	0
Oklahoma	2,716	2,738	-0.8%	2,506	2,518	175	179	0	0	36	41
Texas	13,061	15,173	-13.9%	5,090	5,897	7,971	9,276	0	0	0	0
Mountain	17,441	18,654	-6.5%	15,674	16,867	1,643	1,670	0	0	123	117
Arizona	3,740	4,073	-8.2%	3,740	4,073	0	0	0	0	0	0
Colorado	3,017	3,311	-8.9%	3,008	3,301	NM	NM	0	0	NM	NM
Idaho	NM	8	NM	0	0	0	0	0	0	NM	8
Montana	1,478	1,439	2.7%	NM	NM	1,450	1,411	0	0	NM	NM
Nevada	400	760	-47.4%	309	608	90	152	0	0	0	0
New Mexico	1,990	2,087	-4.7%	1,990	2,087	0	0	0	0	0	0
Utah	2,840	3,117	-8.9%	2,729	3,013	38	NM	0	0	73	67
Wyoming	3,969	3,860	2.8%	3,872	3,758	NM	NM	0	0	40	41
Pacific Contiguous	1,019	1,179	-13.6%	323	317	665	832	0	0	32	31
California	35	111	-68.2%	0	0	NM	83	0	0	28	28
Oregon	323	317	1.7%	323	317	0	0	0	0	0	0
Washington	662	752	-12.0%	0	0	658	749	0	0	4	3
Pacific Noncontiguous	178	181	-2.1%	28	12	137	149	9	17	NM	NM
Alaska	54	46	17.3%	28	12	17	17	9	17	0	0
Hawaii	124	136	-8.7%	0	0	120	131	0	0	NM	NM
U.S. Total	139,413	150,007	-7.1%	105,950	115,276	32,333	33,485	44	64	1,087	1,182

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

Table 1.7.B. Net Generation from Coal

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	3,192	4,200	-24.0%	859	1,049	2,293	3,111	0	0	40	39
Connecticut	600	710	-15.5%	0	0	600	710	0	0	0	0
Maine	65	59	10.1%	0	0	42	39	0	0	23	21
Massachusetts	1,668	2,381	-29.9%	0	0	1,651	2,363	0	0	17	18
New Hampshire	859	1,049	-18.2%	859	1,049	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	45,473	57,223	-20.5%	NM	NM	44,980	56,666	NM	13	475	524
New Jersey	1,256	1,888	-33.5%	0	0	1,256	1,888	0	0	0	0
New York	1,809	3,686	-50.9%	NM	NM	1,624	3,487	0	0	174	179
Pennsylvania	42,408	51,649	-17.9%	0	0	42,100	51,291	NM	13	302	345
East North Central	191,873	219,344	-12.5%	137,475	160,851	52,593	56,393	104	175	1,701	1,925
Illinois	45,448	50,622	-10.2%	5,517	5,715	38,937	43,805	27	35	967	1,067
Indiana	47,891	59,438	-19.4%	44,771	56,390	3,080	2,968	31	67	NM	13
Michigan	31,193	31,299	-0.3%	30,775	30,819	257	253	44	68	117	159
Ohio	45,458	55,487	-18.1%	35,009	45,964	10,319	9,367	NM	NM	129	153
Wisconsin	21,882	22,497	-2.7%	21,402	21,962	0	0	NM	NM	479	533
West North Central	120,661	127,844	-5.6%	118,599	125,596	17	17	110	143	1,935	2,088
Iowa	19,443	19,249	1.0%	18,173	17,877	0	0	73	97	1,197	1,274
Kansas	15,469	17,357	-10.9%	15,469	17,357	0	0	0	0	0	0
Minnesota	15,680	16,115	-2.7%	15,244	15,639	0	0	0	0	435	477
Missouri	39,132	43,679	-10.4%	39,053	43,579	17	17	38	46	24	37
Nebraska	14,083	14,392	-2.2%	13,861	14,152	0	0	0	0	222	240
North Dakota	16,332	15,409	6.0%	16,275	15,349	0	0	0	0	57	60
South Dakota	523	1,643	-68.2%	523	1,643	0	0	0	0	0	0
South Atlantic	154,642	182,266	-15.2%	129,658	149,854	23,922	31,008	46	28	1,016	1,375
Delaware	478	800	-40.2%	0	0	478	800	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	25,266	30,385	-16.8%	24,517	29,420	665	853	0	0	83	112
Georgia	24,607	30,172	-18.4%	24,480	29,886	0	0	0	0	127	286
Maryland	9,882	12,181	-18.9%	0	0	9,802	12,073	NM	NM	78	104
North Carolina	27,282	31,726	-14.0%	26,550	30,594	610	969	38	20	83	143
South Carolina	14,653	17,885	-18.1%	14,555	17,765	0	0	0	0	98	119
Virginia	10,272	12,538	-18.1%	9,333	11,262	710	953	NM	NM	224	318
West Virginia	42,202	46,580	-9.4%	30,223	30,926	11,657	15,362	0	0	322	292
East South Central	94,475	108,108	-12.6%	91,926	105,618	1,862	1,702	NM	16	677	771
Alabama	24,789	29,109	-14.8%	24,712	29,015	0	0	0	0	77	94
Kentucky	45,471	49,011	-7.2%	45,471	49,011	0	0	0	0	0	0
Mississippi	4,373	6,992	-37.5%	2,511	5,290	1,862	1,702	0	0	0	0
Tennessee	19,842	22,996	-13.7%	19,232	22,303	0	0	NM	16	600	678
West South Central	108,258	137,314	-21.2%	56,737	73,841	51,319	63,191	0	0	202	282
Arkansas	13,564	20,052	-32.4%	11,053	18,075	2,478	1,939	0	0	32	37
Louisiana	9,255	11,069	-16.4%	4,955	4,024	4,300	7,045	0	0	0	0
Oklahoma	15,035	17,829	-15.7%	14,042	16,553	823	1,031	0	0	169	245
Texas	70,405	88,364	-20.3%	26,688	35,188	43,717	53,176	0	0	0	0
Mountain	105,374	111,776	-5.7%	94,996	101,739	9,824	9,455	0	0	554	582
Arizona	21,027	24,394	-13.8%	21,027	24,394	0	0	0	0	0	0
Colorado	18,829	19,410	-3.0%	18,789	19,348	NM	59	0	0	NM	NM
Idaho	52	55	-4.8%	0	0	0	0	0	0	52	55
Montana	8,896	8,165	8.9%	NM	162	8,728	7,997	0	0	NM	NM
Nevada	1,349	4,358	-69.0%	897	3,553	452	805	0	0	0	0
New Mexico	11,577	11,930	-3.0%	11,577	11,930	0	0	0	0	0	0
Utah	18,673	18,702	-0.2%	18,216	18,216	228	NM	0	0	229	256
Wyoming	24,973	24,764	0.8%	24,329	24,137	379	365	0	0	265	261
Pacific Contiguous	2,809	5,138	-45.3%	627	1,408	1,961	3,538	0	0	221	192
California	233	474	-50.8%	0	0	NM	307	0	0	199	167
Oregon	627	1,408	-55.4%	627	1,408	0	0	0	0	0	0
Washington	1,949	3,256	-40.1%	0	0	1,927	3,231	0	0	22	25
Pacific Noncontiguous	1,092	1,214	-10.1%	121	114	847	937	105	137	NM	NM
Alaska	346	361	-4.3%	121	114	120	110	105	137	0	0
Hawaii	746	853	-12.5%	0	0	727	827	0	0	NM	NM
U.S. Total	827,851	954,426	-13.3%	631,009	720,091	189,619	226,018	382	513	6,841	7,804

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

Table 1.8.A. Net Generation from Petroleum Liquids by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	58	31	85.8%	5	5	47	21	NM	4	NM	NM
Connecticut	20	5	329.3%	NM	1	19	4	NM	NM	NM	NM
Maine	13	NM	NM	NM	NM	12	NM	NM	NM	NM	NM
Massachusetts	20	20	-1.4%	NM	0	16	17	NM	NM	NM	NM
New Hampshire	NM	3	NM	2	3	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	1	0	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	78	56	38.9%	20	9	50	38	4	NM	4	7
New Jersey	5	NM	NM	NM	NM	4	NM	NM	NM	NM	NM
New York	46	34	36.6%	20	9	20	17	4	NM	2	6
Pennsylvania	27	20	31.8%	NM	NM	26	19	NM	NM	NM	NM
East North Central	53	48	10.4%	37	40	14	7	NM	NM	2	1
Illinois	4	6	-30.5%	2	2	2	4	NM	NM	0	0
Indiana	11	13	-12.3%	10	12	0	0	NM	NM	1	1
Michigan	12	9	36.2%	11	9	0	0	NM	0	0	NM
Ohio	25	17	48.1%	13	13	11	3	NM	NM	NM	NM
Wisconsin	1	4	-78.9%	1	4	NM	NM	NM	NM	NM	NM
West North Central	26	18	40.4%	25	18	NM	0	NM	NM	NM	NM
Iowa	6	2	281.4%	6	1	NM	NM	NM	NM	NM	NM
Kansas	2	2	42.4%	2	2	0	0	0	0	0	0
Minnesota	2	3	-10.8%	2	2	NM	NM	NM	NM	NM	NM
Missouri	9	5	87.9%	9	5	0	0	NM	NM	0	0
Nebraska	4	6	-36.8%	4	6	0	0	0	0	0	0
North Dakota	3	2	49.3%	2	2	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	227	177	27.9%	187	149	31	19	NM	NM	NM	NM
Delaware	2	3	-31.6%	NM	NM	2	3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29	45	-35.6%	27	43	NM	NM	0	0	NM	NM
Georgia	NM	6	NM	2	3	NM	NM	NM	0	NM	NM
Maryland	27	9	196.1%	NM	2	22	5	NM	NM	NM	NM
North Carolina	14	13	10.6%	12	11	NM	NM	NM	NM	NM	NM
South Carolina	5	6	-24.8%	4	5	NM	NM	NM	NM	0	1
Virginia	131	87	50.0%	125	77	4	9	NM	NM	NM	NM
West Virginia	15	7	103.1%	14	7	1	0	0	0	0	0
East South Central	33	28	15.6%	29	25	NM	NM	NM	NM	NM	NM
Alabama	NM	NM	NM	3	2	NM	NM	0	0	NM	NM
Kentucky	10	16	-38.9%	10	16	0	0	0	0	0	0
Mississippi	1	1	106.0%	1	1	0	0	0	0	0	0
Tennessee	14	7	116.1%	14	7	0	0	NM	NM	NM	NM
West South Central	16	10	67.1%	8	5	NM	5	NM	NM	NM	NM
Arkansas	4	1	429.5%	NM	1	1	0	0	0	1	0
Louisiana	2	3	-44.1%	1	1	0	3	0	0	0	0
Oklahoma	NM	NM	NM	1	1	0	0	NM	NM	NM	NM
Texas	NM	5	NM	4	3	NM	2	NM	NM	NM	NM
Mountain	19	17	13.2%	18	13	1	4	NM	NM	NM	NM
Arizona	1	3	-73.1%	1	3	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	NM	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	1	4	-63.8%	NM	NM	1	4	0	0	0	0
Nevada	2	2	2.6%	1	1	0	0	0	0	0	0
New Mexico	6	4	41.8%	6	4	0	NM	0	0	NM	NM
Utah	2	2	17.0%	2	2	NM	NM	0	0	NM	NM
Wyoming	6	2	256.8%	6	2	0	0	0	0	NM	NM
Pacific Contiguous	8	7	11.5%	4	4	NM	2	NM	NM	2	NM
California	5	4	23.4%	3	3	NM	1	NM	NM	1	NM
Oregon	1	1	-26.7%	1	1	0	0	NM	NM	0	0
Washington	2	2	6.7%	NM	NM	NM	1	NM	NM	1	NM
Pacific Noncontiguous	698	631	10.5%	539	480	142	138	NM	NM	16	14
Alaska	75	69	8.1%	70	65	0	0	NM	NM	NM	5
Hawaii	623	562	10.8%	469	415	142	138	0	0	11	9
U.S. Total	1,215	1,024	18.6%	871	747	292	233	13	9	39	35

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

Table 1.8.B. Net Generation from Petroleum Liquids

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,986	2,095	-5.2%	165	252	1,688	1,685	NM	115	NM	43
Connecticut	422	475	-11.2%	NM	NM	415	462	NM	NM	NM	NM
Maine	506	288	75.9%	NM	NM	469	247	NM	NM	33	37
Massachusetts	775	947	-18.2%	51	126	671	755	NM	NM	NM	NM
New Hampshire	172	288	-40.3%	100	104	52	162	NM	NM	NM	NM
Rhode Island	105	86	22.1%	7	6	80	59	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	2,465	3,013	-18.2%	745	860	1,624	2,049	NM	NM	66	66
New Jersey	282	456	-38.1%	NM	NM	277	442	NM	NM	NM	NM
New York	1,706	2,009	-15.1%	744	859	878	1,067	NM	NM	54	47
Pennsylvania	477	548	-13.0%	NM	NM	468	539	NM	NM	NM	NM
East North Central	375	513	-26.9%	293	358	65	138	NM	NM	NM	15
Illinois	31	53	-40.9%	12	17	19	35	NM	NM	0	0
Indiana	108	101	7.7%	98	92	0	0	NM	NM	10	8
Michigan	73	83	-12.1%	70	80	NM	0	1	1	2	2
Ohio	146	245	-40.5%	98	143	45	99	NM	NM	NM	NM
Wisconsin	16	31	-47.8%	14	25	1	4	NM	NM	NM	NM
West North Central	190	241	-21.5%	182	228	NM	10	NM	NM	NM	2
Iowa	28	41	-32.4%	27	40	NM	NM	NM	NM	NM	NM
Kansas	34	32	6.3%	34	32	0	0	0	0	0	0
Minnesota	22	49	-55.7%	15	37	NM	10	NM	NM	NM	1
Missouri	60	72	-16.8%	60	72	0	0	NM	NM	0	0
Nebraska	15	29	-48.8%	15	29	0	0	0	0	0	0
North Dakota	17	14	22.4%	16	13	0	0	NM	NM	NM	NM
South Dakota	15	5	182.2%	15	5	NM	NM	NM	NM	0	0
South Atlantic	2,360	2,868	-17.7%	1,716	1,945	530	807	NM	NM	76	76
Delaware	129	159	-19.0%	NM	NM	129	159	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	377	420	-10.4%	360	402	NM	NM	0	0	NM	NM
Georgia	128	137	-6.6%	54	77	47	30	NM	NM	27	29
Maryland	208	448	-53.4%	15	NM	156	389	NM	NM	NM	NM
North Carolina	337	366	-8.0%	298	322	22	30	NM	NM	17	NM
South Carolina	172	224	-23.3%	148	202	NM	16	NM	NM	9	7
Virginia	918	1,010	-9.1%	760	841	147	156	NM	NM	NM	NM
West Virginia	91	103	-12.1%	81	80	10	23	0	0	0	0
East South Central	245	309	-20.6%	205	273	12	10	NM	NM	NM	NM
Alabama	74	90	-17.9%	37	56	12	10	0	0	NM	NM
Kentucky	68	76	-10.5%	68	76	0	0	0	0	0	0
Mississippi	12	NM	NM	10	NM	0	0	0	0	1	0
Tennessee	91	133	-31.4%	90	132	0	0	NM	NM	NM	NM
West South Central	179	115	55.4%	106	51	65	56	NM	NM	NM	NM
Arkansas	37	14	170.9%	25	9	7	3	0	0	5	2
Louisiana	63	29	118.5%	53	NM	10	17	0	0	0	4
Oklahoma	NM	9	NM	3	8	0	0	NM	NM	NM	NM
Texas	75	64	17.0%	25	26	47	36	NM	NM	NM	NM
Mountain	137	146	-6.2%	125	131	12	15	NM	NM	NM	NM
Arizona	29	42	-30.0%	29	41	0	0	NM	NM	0	0
Colorado	7	NM	NM	7	NM	0	0	NM	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	11	13	-22.2%	NM	NM	9	11	0	0	0	0
Nevada	10	8	18.6%	8	7	2	1	0	0	0	0
New Mexico	46	41	11.6%	44	39	NM	NM	0	0	NM	NM
Utah	12	16	-29.5%	11	16	NM	NM	0	0	NM	NM
Wyoming	23	19	25.8%	23	19	0	0	0	0	NM	NM
Pacific Contiguous	74	46	59.9%	23	26	20	11	NM	NM	30	7
California	59	26	127.6%	19	17	16	6	NM	NM	24	NM
Oregon	NM	NM	NM	3	6	0	0	NM	NM	0	0
Washington	11	14	-19.8%	NM	NM	4	6	NM	NM	6	5
Pacific Noncontiguous	4,464	4,474	-0.2%	3,455	3,431	873	891	4	3	131	149
Alaska	489	455	7.6%	459	426	0	0	2	2	29	27
Hawaii	3,975	4,019	-1.1%	2,997	3,005	873	891	2	1	103	122
U.S. Total	12,474	13,821	-9.7%	7,015	7,554	4,894	5,673	174	203	392	391

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

Table 1.9.A. Net Generation from Petroleum Coke
by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	335	330	1.6%	213	197	99	105	0	0	24	28
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	150	122	23.4%	150	122	0	0	0	0	0	0
Michigan	66	81	-18.6%	56	69	0	4	0	0	NM	NM
Ohio	101	102	-1.2%	0	0	99	101	0	0	NM	NM
Wisconsin	18	25	-27.1%	7	6	0	0	0	0	12	20
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	221	17	NM	209	0	0	0	0	0	12	17
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	209	0	--	209	0	0	0	0	0	0	0
Georgia	12	17	-31.0%	0	0	0	0	0	0	12	17
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	80	84	-5.1%	80	84	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	80	84	-5.1%	80	84	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	445	556	-20.1%	396	501	0	0	0	0	48	NM
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	433	539	-19.7%	396	501	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	17	NM	0	0	0	0	0	0	NM	17
Mountain	41	20	103.3%	0	0	41	20	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	20	103.3%	0	0	41	20	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	2	NM	0	0	NM	2	0	0	0	0
California	NM	2	NM	0	0	NM	2	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,145	1,028	11.5%	898	782	140	127	0	0	107	119

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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 July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 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	111	121	-8.5%	0	0	0	0	0	0	111	121
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	91	95	-4.8%	0	0	0	0	0	0	91	95
East North Central	1,870	2,066	-9.5%	1,042	1,227	685	657	0	0	143	181
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	602	770	-21.9%	602	770	0	0	0	0	0	0
Michigan	480	494	-2.9%	407	394	13	34	0	0	59	66
Ohio	680	633	7.3%	0	0	672	624	0	0	NM	NM
Wisconsin	109	168	-35.2%	33	63	0	0	0	0	76	105
West North Central	NM	NM	NM	0	0	0	0	4	4	NM	NM
Iowa	NM	NM	NM	0	0	0	0	4	4	NM	NM
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	1,007	1,322	-23.8%	904	1,211	0	0	0	0	103	112
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	904	1,211	-25.3%	904	1,211	0	0	0	0	0	0
Georgia	103	112	-7.6%	0	0	0	0	0	0	103	112
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	642	521	23.3%	642	521	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	642	521	23.3%	642	521	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	2,640	3,071	-14.0%	2,339	2,712	0	0	0	0	302	359
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,554	2,958	-13.7%	2,339	2,712	0	0	0	0	215	247
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	87	113	-23.1%	0	0	0	0	0	0	87	113
Mountain	280	196	42.6%	0	0	280	196	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	280	196	42.6%	0	0	280	196	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	6,585	7,345	-10.3%	4,928	5,671	968	865	4	4	686	805

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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, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	6,328	6,008	5.3%	70	90	6,044	5,620	NM	80	NM	217
Connecticut	1,617	1,630	-0.8%	0	0	1,535	1,540	NM	30	NM	60
Maine	221	658	-66.5%	0	0	157	521	NM	NM	NM	135
Massachusetts	2,993	2,394	25.0%	65	74	2,869	2,259	NM	42	NM	NM
New Hampshire	590	554	6.6%	5	16	581	534	NM	NM	NM	NM
Rhode Island	906	771	17.5%	0	0	901	767	NM	NM	0	0
Vermont	0	0	-85.8%	0	0	0	0	0	0	0	0
Middle Atlantic	16,402	15,009	9.3%	1,553	1,300	14,584	13,447	NM	100	NM	163
New Jersey	3,818	3,455	10.5%	NM	NM	3,754	3,392	NM	NM	NM	39
New York	6,283	6,027	4.2%	1,544	1,294	4,645	4,644	NM	65	NM	24
Pennsylvania	6,301	5,527	14.0%	NM	NM	6,185	5,411	NM	NM	NM	101
East North Central	8,793	4,640	89.5%	3,765	1,760	4,727	2,654	NM	116	NM	110
Illinois	1,334	432	208.5%	141	44	1,096	298	NM	50	NM	41
Indiana	1,379	695	98.5%	1,163	419	141	225	NM	NM	NM	44
Michigan	1,947	634	207.0%	467	120	1,399	468	48	33	33	13
Ohio	2,692	2,275	18.3%	684	856	1,982	1,392	NM	NM	NM	NM
Wisconsin	1,441	603	138.9%	1,310	322	110	271	12	NM	10	NM
West North Central	2,778	1,117	148.8%	2,342	884	373	191	26	17	37	25
Iowa	426	113	276.4%	411	106	NM	0	NM	NM	NM	NM
Kansas	335	192	74.4%	316	177	0	0	0	0	NM	NM
Minnesota	996	224	344.9%	850	173	129	41	12	NM	NM	NM
Missouri	739	455	62.3%	486	296	244	150	8	8	NM	NM
Nebraska	140	52	169.5%	140	52	0	0	NM	NM	0	0
North Dakota	6	NM	NM	4	0	0	0	0	0	NM	NM
South Dakota	136	79	71.6%	136	79	0	0	0	0	0	0
South Atlantic	31,183	25,608	21.8%	24,501	20,443	6,270	4,872	NM	62	349	231
Delaware	777	701	10.8%	NM	NM	680	647	0	0	90	50
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	14,934	14,182	5.3%	13,964	13,146	844	915	NM	NM	120	117
Georgia	5,416	3,927	37.9%	3,311	2,769	2,026	1,139	0	0	80	19
Maryland	724	360	100.9%	0	0	670	305	NM	50	NM	NM
North Carolina	3,459	2,916	18.6%	2,946	1,997	494	905	1	0	NM	NM
South Carolina	1,769	1,304	35.7%	1,565	1,142	198	158	NM	NM	NM	NM
Virginia	3,889	2,152	80.7%	2,690	1,384	1,166	744	NM	NM	32	23
West Virginia	209	60	249.3%	18	1	191	59	0	0	NM	NM
East South Central	11,351	7,983	42.2%	6,484	4,070	4,685	3,662	NM	NM	164	234
Alabama	5,457	4,293	27.1%	1,389	1,076	3,976	3,142	0	0	92	75
Kentucky	336	129	159.5%	178	106	137	6	0	0	NM	NM
Mississippi	4,588	2,870	59.8%	3,984	2,231	572	515	NM	NM	30	122
Tennessee	970	690	40.5%	933	657	0	0	NM	NM	NM	18
West South Central	36,860	30,083	22.5%	12,171	8,151	19,021	16,536	96	92	5,572	5,304
Arkansas	1,708	902	89.4%	621	161	1,064	722	NM	NM	23	19
Louisiana	6,700	5,141	30.3%	3,901	2,242	437	875	NM	NM	2,346	2,008
Oklahoma	3,947	2,764	42.8%	2,422	1,607	1,510	1,146	NM	NM	NM	NM
Texas	24,505	21,277	15.2%	5,226	4,141	16,011	13,793	76	72	3,192	3,271
Mountain	11,033	10,387	6.2%	7,462	6,251	3,449	4,036	29	30	94	70
Arizona	4,662	4,271	9.2%	2,245	1,770	2,407	2,490	11	11	0	0
Colorado	1,232	1,276	-3.5%	972	734	258	541	0	0	NM	NM
Idaho	432	283	52.9%	270	183	159	99	0	0	4	NM
Montana	97	46	113.5%	91	43	NM	NM	0	0	0	0
Nevada	2,818	2,642	6.7%	2,619	2,109	184	523	NM	NM	NM	NM
New Mexico	932	892	4.5%	573	586	353	300	NM	NM	0	0
Utah	799	942	-15.1%	685	823	77	79	NM	7	31	32
Wyoming	61	36	70.3%	NM	NM	NM	NM	0	0	49	32
Pacific Contiguous	15,055	13,508	11.5%	5,676	5,108	8,260	7,184	130	139	989	1,077
California	11,728	11,359	3.3%	3,586	3,686	7,040	6,468	121	134	982	1,071
Oregon	1,688	1,109	52.2%	695	510	981	592	NM	NM	NM	NM
Washington	1,639	1,041	57.5%	1,395	912	240	124	NM	NM	3	4
Pacific Noncontiguous	213	239	-10.8%	208	236	0	0	NM	NM	NM	NM
Alaska	213	239	-10.8%	208	236	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	139,997	114,582	22.2%	64,232	48,294	67,413	58,202	700	653	7,652	7,433

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

Table 1.10.B. Net Generation from Natural Gas

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	29,529	26,803	10.2%	197	200	28,026	25,018	489	488	818	1,097
Connecticut	9,437	8,218	14.8%	1	6	8,946	7,693	NM	173	317	347
Maine	1,583	2,860	-44.6%	0	0	1,183	2,202	NM	NM	385	643
Massachusetts	11,281	10,261	9.9%	189	169	10,728	9,734	265	267	NM	91
New Hampshire	3,449	2,250	53.3%	6	24	3,416	2,200	NM	NM	NM	NM
Rhode Island	3,778	3,213	17.6%	0	0	3,753	3,189	NM	NM	0	0
Vermont	1	1	-17.3%	1	1	0	0	0	0	0	0
Middle Atlantic	84,866	75,523	12.4%	6,950	6,785	76,276	67,154	639	589	1,001	995
New Jersey	20,197	16,569	21.9%	NM	NM	19,822	16,202	NM	105	236	239
New York	32,023	30,648	4.5%	6,914	6,758	24,517	23,330	452	413	139	147
Pennsylvania	32,646	28,305	15.3%	NM	NM	31,936	27,622	NM	72	626	608
East North Central	51,288	33,751	52.0%	20,949	13,143	28,476	19,075	921	786	943	747
Illinois	5,963	2,903	105.4%	321	249	5,045	2,078	359	353	238	222
Indiana	9,820	5,581	75.9%	7,986	4,034	1,404	1,217	NM	37	347	293
Michigan	10,816	7,114	52.0%	2,397	1,697	7,912	5,049	291	234	216	135
Ohio	16,842	13,940	20.8%	6,021	5,146	10,660	8,650	NM	107	NM	37
Wisconsin	7,847	4,213	86.3%	4,223	2,017	3,455	2,081	75	54	93	60
West North Central	9,926	6,204	60.0%	8,357	5,112	1,189	810	153	116	227	165
Iowa	1,370	719	90.6%	1,269	651	NM	NM	37	27	64	41
Kansas	1,077	1,057	1.9%	992	996	0	0	0	0	85	61
Minnesota	4,029	1,920	109.9%	3,500	1,502	394	313	77	57	59	48
Missouri	2,675	2,031	31.7%	1,837	1,499	795	497	39	32	NM	NM
Nebraska	293	256	14.4%	288	254	0	0	NM	NM	NM	NM
North Dakota	22	NM	NM	11	0	0	0	0	0	NM	NM
South Dakota	460	212	117.2%	460	212	0	0	0	0	0	0
South Atlantic	175,842	143,086	22.9%	140,999	116,121	32,423	24,999	349	319	2,071	1,647
Delaware	3,959	3,115	27.1%	NM	NM	3,342	2,791	0	0	593	308
District of Columbia	NM	38	NM	0	0	0	0	NM	38	0	0
Florida	89,796	81,223	10.6%	83,841	75,763	5,103	4,650	NM	NM	825	790
Georgia	28,926	21,232	36.2%	19,138	15,832	9,472	5,170	0	0	316	230
Maryland	2,555	1,456	75.5%	0	0	2,252	1,173	271	253	NM	30
North Carolina	21,522	15,994	34.6%	17,080	11,111	4,349	4,803	3	0	90	79
South Carolina	8,743	6,862	27.4%	7,828	6,142	887	694	NM	NM	20	21
Virginia	19,641	12,837	53.0%	13,001	7,100	6,444	5,546	NM	NM	193	190
West Virginia	663	330	100.9%	87	156	575	173	0	0	NM	NM
East South Central	66,725	49,152	35.8%	36,353	26,966	28,838	20,501	NM	111	1,425	1,574
Alabama	32,330	25,533	26.6%	8,630	8,088	23,145	16,890	0	0	555	554
Kentucky	2,299	1,925	19.5%	1,814	1,664	358	138	0	0	NM	123
Mississippi	26,672	18,132	47.1%	20,708	13,819	5,335	3,474	NM	NM	617	827
Tennessee	5,423	3,563	52.2%	5,200	3,394	0	0	NM	99	126	70
West South Central	202,088	167,737	20.5%	56,946	45,302	109,323	86,552	559	534	35,260	35,350
Arkansas	9,888	5,949	66.2%	2,499	1,009	7,179	4,779	NM	NM	209	161
Louisiana	37,235	32,553	14.4%	18,142	12,966	5,748	5,853	107	109	13,237	13,625
Oklahoma	19,840	15,583	27.3%	12,662	10,057	7,099	5,460	NM	NM	61	55
Texas	135,125	113,652	18.9%	23,642	21,269	89,297	70,461	432	413	21,754	21,508
Mountain	49,651	43,834	13.3%	32,975	26,886	15,902	16,152	181	212	592	584
Arizona	15,937	13,899	14.7%	7,494	5,876	8,377	7,948	65	75	0	0
Colorado	5,921	6,524	-9.2%	3,991	3,637	1,926	2,876	0	5	NM	NM
Idaho	1,855	1,228	51.1%	1,082	636	746	572	0	0	27	20
Montana	418	271	53.8%	391	254	NM	NM	0	0	0	0
Nevada	15,611	11,912	31.0%	13,275	9,311	2,246	2,495	37	40	52	66
New Mexico	5,152	5,106	0.9%	2,826	3,106	2,290	1,955	36	43	0	NM
Utah	4,392	4,601	-4.5%	3,889	4,045	277	280	43	48	184	229
Wyoming	367	292	25.7%	NM	NM	NM	NM	0	0	326	263
Pacific Contiguous	73,821	74,756	-1.3%	27,647	24,955	39,006	41,602	842	964	6,326	7,235
California	60,003	64,337	-6.7%	19,768	18,889	33,187	37,346	786	921	6,262	7,182
Oregon	7,998	5,640	41.8%	2,920	2,004	5,002	3,576	43	34	34	25
Washington	5,819	4,779	21.8%	4,959	4,062	817	680	NM	NM	30	28
Pacific Noncontiguous	1,637	1,744	-6.2%	1,602	1,715	0	0	NM	NM	31	26
Alaska	1,637	1,744	-6.2%	1,602	1,715	0	0	NM	NM	31	26
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	745,372	622,591	19.7%	332,974	267,185	359,459	301,863	4,247	4,122	48,692	49,421

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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, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
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	53	55	-3.2%	0	0	0	0	0	0	53	55
New Jersey	19	16	17.4%	0	0	0	0	0	0	19	16
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	34	39	-11.7%	0	0	0	0	0	0	34	39
East North Central	464	410	13.1%	12	4	180	141	0	0	271	265
Illinois	31	27	15.7%	0	0	1	0	0	0	30	27
Indiana	218	217	0.7%	0	0	0	0	0	0	218	217
Michigan	129	89	45.4%	12	4	117	85	0	0	0	0
Ohio	85	78	9.8%	0	0	63	56	0	0	22	22
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	3	NM	0	0	0	0	0	0	NM	3
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	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	3	NM	0	0	0	0	0	0	NM	3
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	23	30	-24.2%	0	0	0	0	0	0	23	30
Delaware	20	27	-24.7%	0	0	0	0	0	0	20	27
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	1	-59.0%	0	0	0	0	0	0	0	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	3	3	-6.0%	0	0	0	0	0	0	3	3
East South Central	29	28	4.4%	0	0	0	0	0	0	29	28
Alabama	28	27	4.6%	0	0	0	0	0	0	28	27
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	-1.7%	0	0	0	0	0	0	1	1
West South Central	404	371	8.9%	0	0	73	161	0	0	332	211
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	222	189	17.4%	0	0	0	74	0	0	222	115
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	182	182	0.1%	0	0	73	86	0	0	110	96
Mountain	39	22	79.1%	0	0	3	1	0	0	36	21
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	0	NM	0	0	2	0	0	0	0	0
Nevada	1	1	0.2%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	--	0	0	0	0	0	0	NM	0
Wyoming	36	21	69.4%	0	0	0	0	0	0	36	21
Pacific Contiguous	181	145	24.4%	0	0	30	33	0	0	151	113
California	151	113	34.2%	0	0	0	0	0	0	151	113
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	30	33	-9.1%	0	0	30	33	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM
U.S. Total	1,202	1,069	12.4%	12	4	286	335	0	0	903	730

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

Table 1.11.B. Net Generation from Other Gases

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 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	357	372	-4.2%	0	0	0	0	0	0	357	372
New Jersey	106	108	-1.2%	0	0	0	0	0	0	106	108
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	250	264	-5.4%	0	0	0	0	0	0	250	264
East North Central	2,765	2,427	13.9%	132	61	1,083	874	0	0	1,551	1,491
Illinois	172	175	-1.9%	0	0	1	6	0	0	171	169
Indiana	1,250	1,200	4.2%	0	0	0	0	0	0	1,250	1,200
Michigan	857	579	48.0%	132	61	726	518	0	0	0	0
Ohio	485	472	2.9%	0	0	356	350	0	0	129	121
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	22	23	-2.7%	0	0	0	0	0	0	22	23
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	22	23	-2.7%	0	0	0	0	0	0	22	23
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	125	115	8.7%	0	0	0	0	0	0	125	115
Delaware	105	95	10.7%	0	0	0	0	0	0	105	95
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2	4	-52.3%	0	0	0	0	0	0	2	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	17	15	14.1%	0	0	0	0	0	0	17	15
East South Central	68	146	-53.1%	0	0	0	0	0	0	68	146
Alabama	62	138	-55.2%	0	0	0	0	0	0	62	138
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	7	8	-16.7%	0	0	0	0	0	0	7	8
West South Central	2,570	2,151	19.5%	0	0	967	1,017	0	0	1,603	1,134
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,309	1,032	26.8%	0	0	369	463	0	0	941	569
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,261	1,118	12.7%	0	0	599	554	0	0	662	565
Mountain	246	187	31.4%	0	0	12	3	0	0	234	184
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	9	0	NM	0	0	9	0	0	0	0	0
Nevada	3	3	2.7%	0	0	3	3	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	231	184	25.7%	0	0	0	0	0	0	231	184
Pacific Contiguous	1,094	861	27.1%	0	0	219	172	0	0	875	689
California	875	689	27.1%	0	0	0	0	0	0	875	689
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	219	172	27.2%	0	0	219	172	0	0	0	0
Pacific Noncontiguous	NM	21	NM	0	0	0	0	0	0	NM	21
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	21	NM	0	0	0	0	0	0	NM	21
U.S. Total	7,264	6,302	15.3%	132	61	2,282	2,066	0	0	4,851	4,174

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

Table 1.12.A. Net Generation from Nuclear Energy by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	2,984	3,336	-10.6%	0	0	2,984	3,336	0	0	0	0
Connecticut	1,555	1,456	6.8%	0	0	1,555	1,456	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	503	506	-0.6%	0	0	503	506	0	0	0	0
New Hampshire	926	928	-0.2%	0	0	926	928	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	446	-100.0%	0	0	0	446	0	0	0	0
Middle Atlantic	14,183	13,396	5.9%	0	0	14,183	13,396	0	0	0	0
New Jersey	3,029	2,501	21.1%	0	0	3,029	2,501	0	0	0	0
New York	3,899	3,853	1.2%	0	0	3,899	3,853	0	0	0	0
Pennsylvania	7,254	7,043	3.0%	0	0	7,254	7,043	0	0	0	0
East North Central	13,444	14,130	-4.9%	1,683	2,352	11,761	11,778	0	0	0	0
Illinois	8,675	8,692	-0.2%	0	0	8,675	8,692	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,269	2,944	-22.9%	1,683	2,352	586	592	0	0	0	0
Ohio	1,609	1,601	0.5%	0	0	1,609	1,601	0	0	0	0
Wisconsin	891	893	-0.2%	0	0	891	893	0	0	0	0
West North Central	4,186	4,355	-3.9%	3,751	3,927	435	428	0	0	0	0
Iowa	435	428	1.5%	0	0	435	428	0	0	0	0
Kansas	886	891	-0.5%	886	891	0	0	0	0	0	0
Minnesota	1,258	1,205	4.4%	1,258	1,205	0	0	0	0	0	0
Missouri	784	891	-12.0%	784	891	0	0	0	0	0	0
Nebraska	823	940	-12.4%	823	940	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17,804	17,499	1.7%	16,524	16,261	1,280	1,238	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	2,694	2,410	11.8%	2,694	2,410	0	0	0	0	0	0
Georgia	3,018	2,866	5.3%	3,018	2,866	0	0	0	0	0	0
Maryland	1,280	1,238	3.4%	0	0	1,280	1,238	0	0	0	0
North Carolina	3,769	3,799	-0.8%	3,769	3,799	0	0	0	0	0	0
South Carolina	4,829	4,512	7.0%	4,829	4,512	0	0	0	0	0	0
Virginia	2,213	2,673	-17.2%	2,213	2,673	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,019	7,138	-1.7%	7,019	7,138	0	0	0	0	0	0
Alabama	3,704	3,736	-0.9%	3,704	3,736	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,031	967	6.6%	1,031	967	0	0	0	0	0	0
Tennessee	2,284	2,434	-6.2%	2,284	2,434	0	0	0	0	0	0
West South Central	6,586	6,675	-1.3%	2,872	2,943	3,715	3,732	0	0	0	0
Arkansas	1,344	1,366	-1.6%	1,344	1,366	0	0	0	0	0	0
Louisiana	1,528	1,577	-3.1%	1,528	1,577	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,715	3,732	-0.5%	0	0	3,715	3,732	0	0	0	0
Mountain	2,945	2,927	0.6%	2,945	2,927	0	0	0	0	0	0
Arizona	2,945	2,927	0.6%	2,945	2,927	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	2,263	2,483	-8.9%	2,263	2,483	0	0	0	0	0	0
California	1,682	1,663	1.1%	1,682	1,663	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	581	820	-29.2%	581	820	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	71,412	71,940	-0.7%	37,055	38,031	34,357	33,909	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 1.12.B. Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	19,489	21,317	-8.6%	0	0	19,489	21,317	0	0	0	0
Connecticut	10,570	9,273	14.0%	0	0	10,570	9,273	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	2,577	3,364	-23.4%	0	0	2,577	3,364	0	0	0	0
New Hampshire	6,342	5,591	13.4%	0	0	6,342	5,591	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	3,088	-100.0%	0	0	0	3,088	0	0	0	0
Middle Atlantic	92,097	87,061	5.8%	0	0	92,097	87,061	0	0	0	0
New Jersey	19,557	17,943	9.0%	0	0	19,557	17,943	0	0	0	0
New York	25,676	24,468	4.9%	0	0	25,676	24,468	0	0	0	0
Pennsylvania	46,863	44,649	5.0%	0	0	46,863	44,649	0	0	0	0
East North Central	89,970	88,359	1.8%	13,948	14,834	76,022	73,525	0	0	0	0
Illinois	56,425	56,355	0.1%	0	0	56,425	56,355	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	18,047	17,699	2.0%	13,948	14,834	4,099	2,865	0	0	0	0
Ohio	9,392	8,770	7.1%	0	0	9,392	8,770	0	0	0	0
Wisconsin	6,105	5,535	10.3%	0	0	6,105	5,535	0	0	0	0
West North Central	25,540	27,541	-7.3%	22,513	24,491	3,027	3,050	0	0	0	0
Iowa	3,027	3,050	-0.8%	0	0	3,027	3,050	0	0	0	0
Kansas	4,184	4,139	1.1%	4,184	4,139	0	0	0	0	0	0
Minnesota	6,716	7,946	-15.5%	6,716	7,946	0	0	0	0	0	0
Missouri	6,011	6,222	-3.4%	6,011	6,222	0	0	0	0	0	0
Nebraska	5,602	6,185	-9.4%	5,602	6,185	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	117,810	113,831	3.5%	109,504	105,876	8,305	7,955	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	17,013	15,839	7.4%	17,013	15,839	0	0	0	0	0	0
Georgia	19,836	18,826	5.4%	19,836	18,826	0	0	0	0	0	0
Maryland	8,305	7,955	4.4%	0	0	8,305	7,955	0	0	0	0
North Carolina	24,141	23,917	0.9%	24,141	23,917	0	0	0	0	0	0
South Carolina	31,920	29,427	8.5%	31,920	29,427	0	0	0	0	0	0
Virginia	16,593	17,867	-7.1%	16,593	17,867	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	46,016	44,855	2.6%	46,016	44,855	0	0	0	0	0	0
Alabama	23,926	24,723	-3.2%	23,926	24,723	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	6,698	5,055	32.5%	6,698	5,055	0	0	0	0	0	0
Tennessee	15,393	15,076	2.1%	15,393	15,076	0	0	0	0	0	0
West South Central	42,287	39,838	6.1%	17,930	17,534	24,358	22,305	0	0	0	0
Arkansas	8,583	7,730	11.0%	8,583	7,730	0	0	0	0	0	0
Louisiana	9,347	9,804	-4.7%	9,347	9,804	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	24,358	22,305	9.2%	0	0	24,358	22,305	0	0	0	0
Mountain	19,188	19,107	0.4%	19,188	19,107	0	0	0	0	0	0
Arizona	19,188	19,107	0.4%	19,188	19,107	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	15,431	15,602	-1.1%	15,431	15,602	0	0	0	0	0	0
California	11,447	9,972	14.8%	11,447	9,972	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3,984	5,630	-29.2%	3,984	5,630	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	467,827	457,510	2.3%	244,530	242,298	223,297	215,212	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	644	544	18.3%	95	76	518	435	NM	NM	31	33
Connecticut	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Maine	287	261	9.7%	0	0	256	229	0	0	31	32
Massachusetts	90	79	14.0%	NM	NM	64	60	NM	NM	NM	NM
New Hampshire	118	97	21.9%	26	28	92	68	0	0	0	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	113	81	40.1%	NM	NM	73	NM	0	0	0	0
Middle Atlantic	2,845	2,322	22.5%	2,106	1,920	733	398	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,512	2,165	16.0%	2,098	1,868	408	293	NM	NM	NM	NM
Pennsylvania	330	155	113.5%	NM	52	322	102	0	0	0	0
East North Central	316	444	-28.7%	263	399	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Indiana	23	38	-39.7%	23	38	0	0	0	0	0	0
Michigan	99	145	-31.8%	91	133	NM	NM	0	0	NM	NM
Ohio	39	41	-5.4%	20	41	NM	0	0	0	0	0
Wisconsin	142	208	-31.7%	125	183	NM	NM	0	0	NM	NM
West North Central	1,112	1,074	3.5%	1,090	1,046	NM	NM	0	0	NM	NM
Iowa	NM	74	NM	NM	73	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	52	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	293	55	435.1%	293	55	0	0	0	0	0	0
Nebraska	82	120	-31.5%	82	120	0	0	0	0	0	0
North Dakota	202	282	-28.2%	202	282	0	0	0	0	0	0
South Dakota	439	491	-10.7%	439	491	0	0	0	0	0	0
South Atlantic	1,323	1,001	32.2%	976	828	290	108	NM	NM	56	63
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	270	248	9.0%	267	246	NM	NM	0	0	NM	NM
Maryland	220	86	155.5%	0	0	220	86	0	0	0	0
North Carolina	350	322	8.6%	343	276	NM	NM	NM	NM	NM	40
South Carolina	210	179	17.0%	201	173	NM	NM	NM	NM	0	0
Virginia	102	89	13.8%	94	84	NM	NM	0	0	NM	NM
West Virginia	149	60	147.4%	NM	NM	48	NM	0	0	52	20
East South Central	2,055	1,291	59.1%	2,054	1,243	NM	NM	0	0	0	48
Alabama	755	497	51.9%	755	497	0	0	0	0	0	0
Kentucky	327	202	61.6%	326	202	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	973	592	64.3%	973	544	0	0	0	0	0	48
West South Central	877	546	60.5%	753	431	124	115	0	0	0	0
Arkansas	334	246	35.9%	331	245	NM	NM	0	0	0	0
Louisiana	117	112	4.9%	0	0	117	112	0	0	0	0
Oklahoma	366	139	164.5%	366	139	0	0	0	0	0	0
Texas	59	50	18.1%	56	48	NM	NM	0	0	0	0
Mountain	2,675	3,595	-25.6%	2,564	3,073	110	522	NM	NM	0	0
Arizona	709	648	9.4%	709	648	0	0	0	0	0	0
Colorado	118	167	-29.3%	102	144	NM	NM	NM	NM	0	0
Idaho	813	1,111	-26.8%	732	1,010	80	101	0	0	0	0
Montana	691	1,222	-43.5%	681	830	NM	392	0	0	0	0
Nevada	168	208	-19.3%	164	202	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	NM	60	NM	NM	59	NM	NM	0	0	0	0
Wyoming	125	166	-25.2%	124	165	NM	NM	0	0	0	0
Pacific Contiguous	9,073	13,310	-31.8%	8,964	13,154	109	155	NM	NM	0	0
California	1,885	2,304	-18.2%	1,811	2,199	73	104	NM	NM	0	0
Oregon	1,777	2,826	-37.1%	1,757	2,800	NM	NM	0	0	0	0
Washington	5,411	8,180	-33.8%	5,396	8,156	NM	NM	0	0	0	0
Pacific Noncontiguous	108	133	-18.3%	104	125	1	3	0	0	NM	NM
Alaska	103	123	-16.2%	103	123	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	1	3	0	0	NM	NM
U.S. Total	21,029	24,260	-13.3%	18,970	22,294	1,941	1,783	NM	NM	115	179

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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 July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	4,441	4,459	-0.4%	620	602	3,574	3,620	NM	NM	244	234
Connecticut	221	220	0.7%	NM	NM	202	200	0	0	0	0
Maine	2,033	2,021	0.6%	0	0	1,792	1,794	0	0	241	227
Massachusetts	586	607	-3.5%	152	151	428	450	NM	NM	NM	NM
New Hampshire	898	918	-2.2%	207	199	690	714	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	701	691	1.4%	241	232	460	459	0	0	0	0
Middle Atlantic	16,838	16,792	0.3%	12,994	13,109	3,807	3,646	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	14,992	14,826	1.1%	12,460	12,255	2,495	2,534	NM	NM	NM	NM
Pennsylvania	1,830	1,950	-6.1%	534	854	1,296	1,095	0	0	0	0
East North Central	2,609	2,782	-6.2%	2,312	2,485	184	182	NM	NM	111	114
Illinois	72	78	-7.4%	NM	NM	46	52	NM	NM	0	0
Indiana	175	182	-4.2%	175	182	0	0	0	0	0	0
Michigan	880	943	-6.7%	802	857	61	69	0	0	NM	NM
Ohio	224	234	-4.3%	205	234	NM	0	0	0	0	0
Wisconsin	1,258	1,344	-6.4%	1,106	1,186	59	61	0	0	94	96
West North Central	6,716	6,168	8.9%	6,536	5,985	118	126	0	0	61	57
Iowa	451	459	-1.9%	447	455	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	342	338	1.1%	175	168	106	113	0	0	61	57
Missouri	991	445	122.7%	991	445	0	0	0	0	0	0
Nebraska	720	781	-7.9%	720	781	0	0	0	0	0	0
North Dakota	1,369	1,471	-6.9%	1,369	1,471	0	0	0	0	0	0
South Dakota	2,835	2,664	6.4%	2,835	2,664	0	0	0	0	0	0
South Atlantic	8,814	10,289	-14.3%	6,682	7,981	1,530	1,584	NM	NM	593	712
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	136	135	1.4%	136	135	0	0	0	0	0	0
Georgia	1,790	2,115	-15.4%	1,770	2,095	NM	NM	0	0	NM	NM
Maryland	1,179	1,256	-6.1%	0	0	1,179	1,256	0	0	0	0
North Carolina	2,605	3,234	-19.4%	2,361	2,829	NM	NM	NM	NM	204	361
South Carolina	1,524	1,881	-19.0%	1,469	1,826	53	53	NM	NM	0	0
Virginia	692	847	-18.4%	643	799	NM	42	0	0	NM	NM
West Virginia	888	821	8.1%	302	297	214	192	0	0	371	332
East South Central	13,951	13,255	5.2%	13,703	12,836	NM	NM	0	0	244	415
Alabama	6,048	6,121	-1.2%	6,048	6,121	0	0	0	0	0	0
Kentucky	2,027	1,798	12.8%	2,022	1,793	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5,876	5,337	10.1%	5,632	4,922	0	0	0	0	244	415
West South Central	4,621	3,835	20.5%	3,956	3,044	665	791	0	0	0	0
Arkansas	1,846	1,713	7.7%	1,828	1,704	NM	NM	0	0	0	0
Louisiana	629	765	-17.7%	0	0	629	765	0	0	0	0
Oklahoma	1,660	981	69.2%	1,660	981	0	0	0	0	0	0
Texas	486	376	29.1%	469	359	NM	NM	0	0	0	0
Mountain	19,441	21,285	-8.7%	16,732	18,294	2,704	2,985	NM	NM	0	0
Arizona	3,989	3,688	8.2%	3,989	3,688	0	0	0	0	0	0
Colorado	892	1,233	-27.6%	755	1,088	133	140	NM	NM	0	0
Idaho	5,608	6,207	-9.6%	5,147	5,698	462	509	0	0	0	0
Montana	6,467	7,377	-12.3%	4,402	5,087	2,065	2,290	0	0	0	0
Nevada	1,525	1,688	-9.7%	1,492	1,655	NM	NM	0	0	0	0
New Mexico	72	96	-25.7%	72	96	0	0	0	0	0	0
Utah	351	420	-16.3%	345	414	NM	NM	0	0	0	0
Wyoming	536	575	-6.8%	530	568	NM	NM	0	0	0	0
Pacific Contiguous	76,950	85,032	-9.5%	76,290	84,236	658	793	NM	NM	0	0
California	8,250	10,469	-21.2%	7,934	10,021	314	445	NM	NM	0	0
Oregon	20,700	22,852	-9.4%	20,529	22,685	171	167	0	0	0	0
Washington	48,000	51,711	-7.2%	47,827	51,530	173	182	0	0	0	0
Pacific Noncontiguous	964	942	2.4%	922	905	14	7	0	0	NM	NM
Alaska	911	893	2.0%	911	893	0	0	0	0	0	0
Hawaii	53	NM	NM	NM	NM	14	7	0	0	NM	NM
U.S. Total	155,345	164,838	-5.8%	140,747	149,477	13,260	13,740	NM	NM	1,315	1,594

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

Table 1.14.A. Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	871	854	2.0%	74	71	658	594	17	19	122	171
Connecticut	73	60	22.0%	0	0	73	57	0	3	0	0
Maine	340	390	-12.9%	0	0	209	209	10	10	122	171
Massachusetts	188	164	15.2%	NM	6	180	156	NM	NM	NM	0
New Hampshire	179	164	9.6%	30	32	145	128	NM	4	0	0
Rhode Island	23	22	4.8%	0	0	22	22	NM	0	0	0
Vermont	68	56	21.7%	39	33	29	22	NM	NM	0	0
Middle Atlantic	946	1,041	-9.1%	34	6	773	892	64	60	74	83
New Jersey	176	165	6.8%	9	6	134	131	33	28	NM	NM
New York	413	468	-11.8%	25	0	344	423	21	21	23	24
Pennsylvania	357	407	-12.4%	0	0	295	337	11	11	51	59
East North Central	1,483	1,608	-7.8%	211	174	1,112	1,249	24	24	136	161
Illinois	456	564	-19.1%	NM	NM	455	563	NM	0	0	0
Indiana	231	217	6.5%	29	28	198	183	NM	NM	NM	4
Michigan	451	453	-0.3%	95	56	275	305	21	20	61	72
Ohio	123	135	-8.3%	NM	NM	91	99	NM	NM	30	32
Wisconsin	221	240	-7.7%	83	86	94	99	NM	NM	44	54
West North Central	2,953	3,266	-9.6%	870	895	2,024	2,308	12	11	47	52
Iowa	811	931	-12.9%	454	491	354	435	NM	NM	0	3
Kansas	743	774	-4.0%	61	65	682	709	0	0	0	0
Minnesota	577	726	-20.5%	125	159	404	517	NM	NM	47	48
Missouri	55	74	-25.5%	4	4	46	66	5	4	NM	NM
Nebraska	175	190	-7.7%	18	20	156	169	NM	NM	0	0
North Dakota	405	375	7.9%	169	113	236	262	0	0	0	0
South Dakota	185	194	-4.6%	39	45	146	150	0	0	0	0
South Atlantic	2,026	1,839	10.2%	246	170	839	747	44	44	897	878
Delaware	12	12	4.8%	NM	NM	11	10	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	492	455	8.0%	58	25	243	240	NM	NM	189	188
Georgia	387	376	2.8%	NM	0	69	57	NM	NM	314	316
Maryland	83	75	10.4%	NM	NM	69	65	NM	NM	10	6
North Carolina	402	323	24.3%	NM	NM	279	196	16	16	106	110
South Carolina	189	172	10.1%	40	34	NM	9	0	0	140	128
Virginia	396	349	13.4%	145	107	95	92	20	20	137	130
West Virginia	65	76	-14.3%	0	0	65	76	0	0	0	0
East South Central	567	561	1.1%	9	9	41	29	NM	NM	518	523
Alabama	290	291	-0.2%	0	0	21	16	0	0	270	274
Kentucky	40	39	1.6%	9	9	0	0	0	0	31	31
Mississippi	134	136	-1.4%	0	0	NM	NM	0	0	133	135
Tennessee	103	95	8.3%	0	0	19	12	NM	NM	83	83
West South Central	5,729	4,103	39.6%	162	139	5,088	3,476	NM	NM	472	481
Arkansas	131	141	-7.3%	0	0	5	9	NM	NM	125	131
Louisiana	241	241	0.1%	0	0	7	7	0	0	234	234
Oklahoma	1,166	809	44.1%	117	114	1,021	667	0	0	28	29
Texas	4,191	2,912	43.9%	45	26	4,055	2,794	NM	NM	85	87
Mountain	2,232	1,979	12.8%	226	194	1,958	1,742	16	9	33	34
Arizona	414	359	15.2%	56	51	356	306	NM	NM	0	0
Colorado	487	455	6.9%	9	9	474	443	NM	NM	NM	NM
Idaho	209	236	-11.7%	11	12	166	190	0	0	32	34
Montana	130	101	28.7%	13	12	117	90	0	0	0	0
Nevada	478	354	34.9%	0	0	467	351	10	3	NM	NM
New Mexico	191	188	1.5%	15	10	175	177	NM	NM	0	0
Utah	119	104	14.3%	23	21	95	83	0	0	0	0
Wyoming	206	182	13.2%	99	79	107	103	0	0	0	0
Pacific Contiguous	6,610	5,665	16.7%	883	714	5,402	4,624	94	100	231	227
California	4,751	4,131	15.0%	268	283	4,329	3,682	92	98	62	69
Oregon	920	830	10.9%	177	154	693	625	NM	NM	49	50
Washington	938	703	33.4%	438	276	380	318	0	0	120	109
Pacific Noncontiguous	123	143	-14.1%	17	13	75	97	21	23	9	10
Alaska	14	13	3.0%	NM	6	NM	NM	NM	4	0	NM
Hawaii	109	129	-15.9%	10	6	72	94	18	20	9	9
U.S. Total	23,540	21,059	11.8%	2,731	2,384	17,972	15,758	299	297	2,538	2,620

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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 July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	6,182	5,913	4.5%	521	523	4,652	4,167	125	126	883	1,097
Connecticut	471	452	4.2%	0	0	460	433	11	19	0	0
Maine	2,616	2,701	-3.1%	0	0	1,675	1,543	61	62	880	1,097
Massachusetts	1,225	1,050	16.7%	45	47	1,154	982	23	20	NM	0
New Hampshire	1,214	1,113	9.1%	185	200	1,007	889	22	24	0	0
Rhode Island	153	136	13.2%	0	0	146	136	NM	0	0	0
Vermont	502	462	8.7%	291	276	210	184	NM	NM	0	0
Middle Atlantic	8,377	8,390	-0.2%	84	33	7,396	7,453	411	376	487	529
New Jersey	1,095	1,005	8.9%	59	33	827	799	208	172	NM	NM
New York	3,788	3,834	-1.2%	25	0	3,495	3,544	131	133	137	156
Pennsylvania	3,494	3,551	-1.6%	0	0	3,074	3,110	72	70	348	371
East North Central	16,250	16,191	0.4%	1,644	1,625	13,473	13,438	138	123	995	1,005
Illinois	6,197	6,733	-8.0%	7	7	6,188	6,726	NM	NM	0	0
Indiana	2,837	2,347	20.9%	185	185	2,616	2,124	12	12	24	25
Michigan	4,174	3,885	7.4%	691	557	2,959	2,783	115	101	410	444
Ohio	1,180	1,232	-4.2%	21	21	949	995	NM	NM	208	214
Wisconsin	1,862	1,994	-6.6%	740	855	761	810	8	8	354	322
West North Central	30,374	30,929	-1.8%	9,803	9,201	20,177	21,320	78	78	315	330
Iowa	10,053	9,970	0.8%	5,897	5,443	4,133	4,496	17	18	5	13
Kansas	6,072	6,580	-7.7%	501	545	5,571	6,035	0	0	0	0
Minnesota	6,196	6,567	-5.7%	1,336	1,428	4,534	4,802	27	28	299	310
Missouri	645	774	-16.7%	24	24	594	725	24	23	NM	NM
Nebraska	1,836	1,480	24.1%	159	158	1,667	1,313	10	10	0	0
North Dakota	3,831	3,810	0.6%	1,492	1,201	2,333	2,605	0	0	6	4
South Dakota	1,740	1,747	-0.4%	395	402	1,345	1,345	0	0	0	0
South Atlantic	13,068	12,476	4.7%	1,194	1,038	5,759	5,243	290	292	5,825	5,903
Delaware	74	73	0.7%	6	6	65	65	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,019	3,011	0.3%	201	165	1,590	1,618	21	19	1,207	1,210
Georgia	2,607	2,456	6.2%	8	0	452	419	17	16	2,130	2,021
Maryland	654	588	11.4%	7	7	555	476	24	24	68	81
North Carolina	2,370	2,017	17.5%	5	5	1,597	1,199	97	96	672	717
South Carolina	1,187	1,358	-12.6%	254	264	58	61	0	0	875	1,033
Virginia	2,297	2,109	8.9%	713	592	583	542	128	134	873	842
West Virginia	859	863	-0.5%	0	0	859	863	0	0	0	0
East South Central	3,642	3,724	-2.2%	56	58	264	217	NM	NM	3,321	3,447
Alabama	1,852	1,931	-4.1%	0	0	123	118	0	0	1,729	1,813
Kentucky	286	289	-1.0%	56	58	0	0	0	0	230	232
Mississippi	839	872	-3.7%	0	1	7	7	0	0	832	864
Tennessee	665	633	5.1%	0	0	133	92	NM	NM	530	539
West South Central	35,985	35,372	1.7%	1,078	1,201	31,775	31,032	45	31	3,087	3,107
Arkansas	905	923	-1.9%	0	0	62	65	NM	3	840	855
Louisiana	1,555	1,541	0.9%	0	0	43	44	0	0	1,513	1,497
Oklahoma	7,861	7,364	6.8%	842	1,019	6,838	6,158	0	0	181	187
Texas	25,663	25,543	0.5%	236	182	24,832	24,766	42	28	553	568
Mountain	17,255	18,011	-4.2%	1,802	1,997	15,157	15,732	76	54	221	228
Arizona	2,496	2,368	5.4%	332	250	2,150	2,104	13	13	0	0
Colorado	4,488	4,620	-2.9%	86	116	4,382	4,483	18	18	NM	NM
Idaho	1,722	2,106	-18.2%	84	107	1,421	1,774	0	0	217	224
Montana	1,123	1,122	0.1%	125	137	998	985	0	0	0	0
Nevada	3,158	2,506	26.0%	0	0	3,114	2,483	43	21	NM	NM
New Mexico	1,485	1,810	-18.0%	86	61	1,397	1,747	NM	NM	0	0
Utah	702	769	-8.7%	147	158	555	611	0	0	0	0
Wyoming	2,082	2,711	-23.2%	942	1,166	1,140	1,545	0	0	0	0
Pacific Contiguous	37,523	37,150	1.0%	4,498	5,038	30,948	29,923	640	664	1,437	1,525
California	27,998	25,958	7.9%	1,433	1,690	25,547	23,174	624	648	393	446
Oregon	4,576	5,635	-18.8%	775	931	3,462	4,342	12	13	328	349
Washington	4,949	5,558	-11.0%	2,290	2,417	1,939	2,407	NM	3	716	731
Pacific Noncontiguous	836	864	-3.2%	102	84	525	574	138	137	72	70
Alaska	118	124	-4.5%	61	65	27	30	26	25	NM	4
Hawaii	718	740	-3.0%	41	19	497	544	112	111	68	66
U.S. Total	169,492	169,020	0.3%	20,781	20,797	130,126	129,099	1,943	1,883	16,642	17,241

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

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	-51	-45	13.8%	0	0	-51	-45	0	0	0	0
Connecticut	1	1	21.6%	0	0	1	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-52	-46	13.9%	0	0	-52	-46	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	-103	-123	-16.5%	-54	-68	-49	-55	0	0	0	0
New Jersey	-20	-22	-6.9%	-20	-22	0	0	0	0	0	0
New York	-33	-47	-28.6%	-33	-47	0	0	0	0	0	0
Pennsylvania	-49	-55	-10.0%	0	0	-49	-55	0	0	0	0
East North Central	-70	-82	-14.4%	-70	-82	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	-70	-82	-14.4%	-70	-82	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	84	-1	NM	84	-1	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	84	-1	NM	84	-1	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	-352	-353	-0.2%	-352	-353	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	-109	-106	2.4%	-109	-106	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	36	0	--	36	0	0	0	0	0	0	0
South Carolina	-122	-96	26.6%	-122	-96	0	0	0	0	0	0
Virginia	-158	-151	5.0%	-158	-151	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-86	-60	42.2%	-86	-60	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	-86	-60	42.2%	-86	-60	0	0	0	0	0	0
West South Central	-7	-3	152.2%	-7	-3	0	0	0	0	0	0
Arkansas	5	8	-31.9%	5	8	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-12	-10	16.7%	-12	-10	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-1	-13	-89.9%	-1	-13	0	0	0	0	0	0
Arizona	25	17	49.9%	25	17	0	0	0	0	0	0
Colorado	-26	-29	-9.8%	-26	-29	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	80	135	-40.7%	80	135	0	0	0	0	0	0
California	81	135	-40.5%	81	135	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	8.0%	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	-507	-545	-7.0%	-406	-445	-101	-100	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	-280	-265	5.6%	0	0	-280	-265	0	0	0	0
Connecticut	-5	-1	568.5%	0	0	-5	-1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-275	-265	3.9%	0	0	-275	-265	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	-657	-757	-13.1%	-346	-432	-312	-325	0	0	0	0
New Jersey	-109	-126	-14.1%	-109	-126	0	0	0	0	0	0
New York	-237	-306	-22.5%	-237	-306	0	0	0	0	0	0
Pennsylvania	-312	-325	-4.0%	0	0	-312	-325	0	0	0	0
East North Central	-252	-446	-43.6%	-252	-446	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	-252	-446	-43.6%	-252	-446	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	336	-1	NM	336	-1	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	336	-1	NM	336	-1	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	-1,543	-1,513	1.9%	-1,543	-1,513	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	-490	-251	95.4%	-490	-251	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	121	0	--	121	0	0	0	0	0	0	0
South Carolina	-574	-509	12.7%	-574	-509	0	0	0	0	0	0
Virginia	-600	-754	-20.4%	-600	-754	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-291	-255	14.2%	-291	-255	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	-291	-255	14.2%	-291	-255	0	0	0	0	0	0
West South Central	-25	-15	67.0%	-25	-15	0	0	0	0	0	0
Arkansas	12	55	-78.8%	12	55	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-37	-70	-47.6%	-37	-70	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-127	-71	78.1%	-127	-71	0	0	0	0	0	0
Arizona	42	28	48.4%	42	28	0	0	0	0	0	0
Colorado	-169	-100	69.6%	-169	-100	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	91	-45	-300.7%	91	-45	0	0	0	0	0	0
California	64	-41	-254.0%	64	-41	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	27	-4	-808.2%	27	-4	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-2,747	-3,368	-18.4%	-2,156	-2,778	-592	-590	0	0	0	0

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

Table 1.16.A. Net Generation from Other Energy Sources by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	164	173	-5.4%	0	0	146	152	8	11	10	11
Connecticut	50	53	-4.4%	0	0	50	50	0	NM	0	0
Maine	33	38	-12.9%	0	0	15	18	8	9	10	11
Massachusetts	75	78	-3.4%	0	0	75	78	0	0	0	0
New Hampshire	6	NM	NM	0	0	6	NM	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	207	223	-7.2%	0	0	166	181	40	41	0	0
New Jersey	47	50	-5.9%	0	0	34	37	13	13	0	0
New York	82	95	-13.3%	0	0	63	76	19	19	0	0
Pennsylvania	78	78	-0.7%	0	0	69	69	9	10	0	0
East North Central	104	113	-7.6%	4	17	14	13	22	20	65	63
Illinois	24	24	0.4%	0	0	0	0	0	0	24	24
Indiana	36	46	-20.9%	0	10	0	0	NM	NM	34	34
Michigan	36	37	-3.0%	NM	3	14	13	20	18	2	2
Ohio	1	0	72.2%	0	0	0	0	0	0	1	0
Wisconsin	7	6	28.9%	3	3	0	0	0	0	NM	NM
West North Central	41	44	-8.2%	24	27	8	10	NM	NM	NM	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	33	35	-4.7%	17	17	8	10	NM	NM	NM	5
Missouri	4	7	-32.0%	4	7	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	383	345	10.9%	23	0	187	190	18	18	154	138
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	276	240	15.0%	23	0	116	112	0	0	137	129
Georgia	14	6	126.0%	0	0	0	0	0	0	14	6
Maryland	28	29	-1.9%	0	0	28	29	NM	NM	0	0
North Carolina	21	21	-2.3%	0	0	21	21	0	0	0	0
South Carolina	5	3	29.5%	0	0	NM	NM	0	0	4	3
Virginia	39	45	-12.9%	0	0	21	27	18	18	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	5	4	22.2%	3	2	0	0	0	0	2	2
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	3	2	24.4%	3	2	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	2	2	22.2%	0	0	0	0	0	0	2	2
West South Central	116	65	78.5%	0	0	NM	NM	0	0	115	64
Arkansas	1	1	-22.1%	0	0	0	0	0	0	1	1
Louisiana	40	31	29.0%	0	0	0	0	0	0	40	31
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	73	31	132.8%	0	0	NM	NM	0	0	72	31
Mountain	45	30	49.7%	NM	NM	28	17	0	0	15	11
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	27	16	72.6%	0	0	27	16	0	0	0	0
Nevada	NM	NM	NM	NM	NM	0	0	0	0	0	0
New Mexico	0	NM	NM	0	NM	0	0	0	0	0	0
Utah	12	8	55.5%	0	0	NM	NM	0	0	12	8
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	91	86	5.5%	0	0	29	29	0	0	62	57
California	77	73	6.0%	0	0	19	20	0	0	58	53
Oregon	NM	NM	NM	0	0	NM	NM	0	0	0	0
Washington	11	10	4.9%	0	0	6	7	0	0	4	4
Pacific Noncontiguous	18	24	-26.9%	0	NM	1	1	17	19	0	0
Alaska	0	NM	NM	0	NM	0	0	0	0	0	0
Hawaii	18	20	-10.2%	0	0	1	1	17	19	0	0
U.S. Total	1,174	1,108	5.9%	56	52	580	594	109	112	429	350

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

Table 1.16.B. Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,084	1,130	-4.0%	0	0	939	989	64	74	81	67
Connecticut	328	359	-8.5%	0	0	320	343	8	16	0	0
Maine	222	223	-0.7%	0	0	85	99	55	58	81	67
Massachusetts	498	512	-2.7%	0	0	498	512	0	0	0	0
New Hampshire	37	36	0.9%	0	0	37	36	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,318	1,363	-3.3%	0	0	1,052	1,098	266	264	0	0
New Jersey	288	309	-6.7%	0	0	204	229	84	80	0	0
New York	537	576	-6.8%	0	0	415	452	122	123	0	0
Pennsylvania	493	478	3.1%	0	0	433	417	60	61	0	0
East North Central	664	657	1.1%	44	88	90	91	121	107	410	371
Illinois	155	158	-2.3%	0	0	0	0	0	0	155	158
Indiana	247	232	6.5%	18	56	0	0	11	11	218	165
Michigan	220	231	-4.8%	9	17	90	91	110	96	12	28
Ohio	4	5	-17.7%	0	0	0	0	0	0	4	5
Wisconsin	38	30	25.9%	17	16	0	0	0	0	21	14
West North Central	260	248	5.0%	153	135	59	67	16	14	31	31
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	206	212	-2.8%	100	100	59	67	16	14	31	31
Missouri	34	15	124.0%	34	15	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	20	20	-1.5%	20	20	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,348	2,316	1.4%	23	0	1,238	1,272	118	122	969	922
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	1,691	1,638	3.2%	23	0	764	784	0	0	904	853
Georgia	45	45	1.6%	0	0	8	0	0	0	38	45
Maryland	179	181	-1.0%	0	0	179	181	NM	NM	0	0
North Carolina	134	135	-0.4%	0	0	134	135	0	0	0	0
South Carolina	32	28	16.9%	0	0	NM	4	0	0	28	24
Virginia	267	290	-8.0%	0	0	150	168	117	122	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	44	16	177.8%	30	8	0	0	0	0	14	8
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	30	8	280.6%	30	8	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	12	6	103.8%	0	0	0	0	0	0	12	6
West South Central	702	440	59.4%	0	0	NM	NM	0	0	697	437
Arkansas	8	9	-8.6%	0	0	0	0	0	0	8	9
Louisiana	267	231	15.6%	0	0	0	0	0	0	267	231
Oklahoma	8	5	47.3%	0	0	0	0	0	0	8	5
Texas	419	196	114.2%	0	0	NM	NM	0	0	414	193
Mountain	245	285	-14.1%	14	15	185	149	0	0	46	121
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	25	29	-12.2%	0	0	NM	7	0	0	21	21
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	178	139	27.3%	0	0	178	139	0	0	0	0
Nevada	14	14	2.6%	14	14	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	28	102	-73.0%	0	0	NM	NM	0	0	25	99
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	568	575	-1.2%	0	0	180	191	0	0	388	384
California	469	473	-0.8%	0	0	118	127	0	0	351	346
Oregon	20	21	-4.3%	0	0	20	21	0	0	0	0
Washington	78	81	-3.0%	0	0	41	43	0	0	37	38
Pacific Noncontiguous	117	135	-13.0%	NM	24	3	4	107	107	0	0
Alaska	NM	24	NM	NM	24	0	0	0	0	0	0
Hawaii	110	111	-0.5%	0	0	3	4	107	107	0	0
U.S. Total	7,350	7,163	2.6%	271	269	3,751	3,864	691	688	2,637	2,342

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

Table 1.17.A. Net Generation from Wind
by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	119	121	-1.6%	17	15	99	104	NM	NM	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	62	67	-7.9%	0	0	62	67	0	0	0	0
Massachusetts	13	13	-1.3%	NM	NM	7	7	NM	NM	NM	0
New Hampshire	23	24	-4.0%	0	0	23	24	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	20	17	22.7%	13	11	7	6	0	0	0	0
Middle Atlantic	323	416	-22.3%	0	0	322	415	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	185	236	-21.6%	0	0	185	236	0	0	NM	NM
Pennsylvania	137	179	-23.6%	0	0	137	179	0	0	0	0
East North Central	928	1,023	-9.3%	145	116	780	905	NM	NM	NM	NM
Illinois	400	498	-19.7%	NM	NM	399	498	NM	0	0	0
Indiana	176	167	5.3%	0	0	176	167	NM	NM	0	0
Michigan	228	211	8.1%	95	56	133	155	0	0	0	0
Ohio	48	57	-15.6%	NM	NM	45	54	0	0	NM	NM
Wisconsin	76	90	-15.2%	48	58	28	32	0	0	NM	0
West North Central	2,767	3,075	-10.0%	821	846	1,945	2,227	NM	NM	0	0
Iowa	799	916	-12.8%	452	488	347	427	NM	NM	0	0
Kansas	738	769	-4.0%	61	65	677	704	0	0	0	0
Minnesota	430	574	-25.2%	86	120	342	452	NM	NM	0	0
Missouri	41	62	-33.9%	0	0	41	62	0	0	0	0
Nebraska	170	184	-7.8%	14	15	156	169	0	0	0	0
North Dakota	405	375	7.9%	169	113	236	262	0	0	0	0
South Dakota	185	194	-4.6%	39	45	146	150	0	0	0	0
South Atlantic	84	93	-9.6%	0	0	84	93	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	19	17	12.3%	0	0	19	17	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	65	76	-14.4%	0	0	65	76	0	0	0	0
East South Central	2	2	-14.8%	0	0	2	2	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2	2	-14.8%	0	0	2	2	0	0	0	0
West South Central	5,128	3,465	48.0%	145	139	4,981	3,323	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	1,139	781	45.9%	117	114	1,021	667	0	0	0	0
Texas	3,990	2,684	48.6%	27	26	3,960	2,656	NM	NM	0	0
Mountain	1,185	1,119	5.9%	131	111	1,052	1,006	NM	NM	NM	NM
Arizona	32	27	20.9%	0	0	32	27	0	0	0	0
Colorado	451	422	6.9%	9	9	441	411	NM	NM	NM	NM
Idaho	152	179	-14.9%	10	11	142	167	0	0	0	0
Montana	130	101	28.7%	13	12	117	90	0	0	0	0
Nevada	27	25	9.9%	0	0	27	25	0	0	0	0
New Mexico	118	125	-6.2%	0	0	117	125	NM	NM	0	0
Utah	68	58	17.9%	0	0	68	58	0	0	0	0
Wyoming	206	182	13.2%	99	79	107	103	0	0	0	0
Pacific Contiguous	3,035	2,717	11.7%	690	538	2,344	2,179	NM	NM	NM	NM
California	1,447	1,439	0.6%	119	147	1,327	1,291	NM	NM	NM	NM
Oregon	816	726	12.4%	171	148	646	579	0	0	0	0
Washington	771	552	39.8%	400	243	371	309	0	0	0	0
Pacific Noncontiguous	61	75	-19.4%	NM	6	53	69	0	0	0	0
Alaska	NM	10	NM	NM	6	NM	NM	0	0	0	0
Hawaii	50	66	-23.4%	0	0	50	66	0	0	0	0
U.S. Total	13,632	12,105	12.6%	1,955	1,771	11,663	10,323	NM	9	NM	NM

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

Table 1.17.B. Net Generation from Wind

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,320	1,222	8.0%	165	149	1,127	1,054	25	19	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	714	646	10.6%	0	0	714	646	0	0	0	0
Massachusetts	133	138	-3.8%	35	40	76	79	18	19	NM	0
New Hampshire	262	255	2.7%	0	0	262	255	0	0	0	0
Rhode Island	11	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	200	179	11.6%	130	109	70	70	0	0	0	0
Middle Atlantic	4,423	4,502	-1.7%	0	0	4,421	4,499	0	0	NM	NM
New Jersey	9	7	21.9%	0	0	9	7	0	0	0	0
New York	2,370	2,382	-0.5%	0	0	2,368	2,379	0	0	NM	NM
Pennsylvania	2,044	2,113	-3.2%	0	0	2,044	2,113	0	0	0	0
East North Central	12,623	12,375	2.0%	1,295	1,226	11,303	11,129	NM	NM	23	20
Illinois	5,811	6,314	-8.0%	NM	7	5,802	6,307	NM	0	0	0
Indiana	2,486	2,039	21.9%	0	0	2,486	2,038	NM	NM	0	0
Michigan	2,715	2,268	19.7%	691	557	2,025	1,712	0	0	0	0
Ohio	686	732	-6.4%	9	9	659	703	0	0	18	20
Wisconsin	925	1,022	-9.4%	589	653	331	369	0	0	NM	0
West North Central	29,175	29,717	-1.8%	9,501	8,905	19,657	20,793	18	20	0	0
Iowa	9,970	9,877	0.9%	5,883	5,428	4,085	4,447	NM	NM	0	0
Kansas	6,038	6,547	-7.8%	501	545	5,537	6,001	0	0	0	0
Minnesota	5,237	5,592	-6.4%	1,100	1,199	4,121	4,376	16	18	0	0
Missouri	568	706	-19.6%	0	0	568	706	0	0	0	0
Nebraska	1,798	1,441	24.7%	131	129	1,667	1,313	0	0	0	0
North Dakota	3,824	3,806	0.5%	1,492	1,201	2,333	2,605	0	0	0	0
South Dakota	1,740	1,747	-0.4%	395	402	1,345	1,345	0	0	0	0
South Atlantic	1,111	1,041	6.7%	0	0	1,108	1,038	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	252	178	41.8%	0	0	252	178	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	857	861	-0.5%	0	0	857	861	0	0	0	0
East South Central	26	32	-16.3%	0	0	26	32	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	26	32	-16.3%	0	0	26	32	0	0	0	0
West South Central	32,100	31,466	2.0%	1,002	1,201	31,079	30,258	19	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	7,680	7,177	7.0%	842	1,019	6,838	6,158	0	0	0	0
Texas	24,420	24,289	0.5%	161	182	24,240	24,101	19	NM	0	0
Mountain	10,664	12,363	-13.7%	1,231	1,518	9,424	10,833	8	9	NM	NM
Arizona	246	318	-22.6%	0	0	246	318	0	0	0	0
Colorado	4,268	4,404	-3.1%	86	113	4,173	4,281	NM	7	NM	NM
Idaho	1,350	1,728	-21.9%	77	101	1,272	1,627	0	0	0	0
Montana	1,123	1,122	0.1%	125	137	998	985	0	0	0	0
Nevada	176	178	-0.7%	0	0	176	178	0	0	0	0
New Mexico	1,057	1,474	-28.3%	0	0	1,055	1,471	NM	NM	0	0
Utah	363	429	-15.4%	0	0	363	429	0	0	0	0
Wyoming	2,082	2,711	-23.2%	942	1,166	1,140	1,545	0	0	0	0
Pacific Contiguous	15,638	18,628	-16.1%	3,273	3,902	12,358	14,723	NM	NM	NM	NM
California	7,836	9,174	-14.6%	486	795	7,344	8,376	NM	NM	NM	NM
Oregon	3,866	4,888	-20.9%	735	891	3,130	3,997	0	0	0	0
Washington	3,935	4,567	-13.8%	2,052	2,217	1,883	2,350	0	0	0	0
Pacific Noncontiguous	427	443	-3.7%	61	65	366	378	0	0	0	0
Alaska	88	95	-6.7%	61	65	27	30	0	0	0	0
Hawaii	338	349	-2.9%	0	0	338	349	0	0	0	0
U.S. Total	107,508	111,789	-3.8%	16,528	16,966	90,868	94,738	78	59	34	26

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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, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	664	682	-2.6%	56	54	473	440	14	17	122	171
Connecticut	70	59	20.1%	0	0	70	56	0	3	0	0
Maine	278	323	-13.9%	0	0	147	143	10	10	122	171
Massachusetts	99	104	-4.6%	0	0	99	104	0	0	0	0
New Hampshire	157	140	12.0%	30	32	122	104	NM	4	0	0
Rhode Island	19	19	-0.3%	0	0	19	19	0	0	0	0
Vermont	40	36	10.0%	25	22	NM	14	NM	NM	0	0
Middle Atlantic	518	535	-3.2%	25	0	377	408	44	46	73	82
New Jersey	88	91	-3.5%	0	0	75	78	13	14	0	0
New York	218	224	-2.6%	25	0	150	179	20	21	22	24
Pennsylvania	212	220	-3.6%	0	0	152	151	10	11	50	58
East North Central	518	556	-6.8%	64	57	297	316	23	23	134	159
Illinois	49	59	-15.9%	0	0	49	59	0	0	0	0
Indiana	32	34	-5.7%	28	28	0	0	NM	NM	NM	4
Michigan	224	242	-7.5%	0	0	142	150	21	20	61	72
Ohio	68	71	-4.6%	NM	NM	39	40	0	0	27	30
Wisconsin	145	149	-3.3%	35	28	66	67	NM	NM	43	54
West North Central	182	188	-3.3%	49	49	76	79	10	9	47	52
Iowa	12	15	-21.4%	2	2	8	8	NM	NM	0	3
Kansas	5	5	-2.1%	0	0	5	5	0	0	0	0
Minnesota	147	151	-2.6%	38	39	62	64	NM	NM	47	48
Missouri	12	10	13.4%	4	4	NM	NM	5	4	NM	NM
Nebraska	6	6	-1.7%	4	4	0	0	NM	NM	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	1,680	1,598	5.1%	218	150	533	538	32	33	897	878
Delaware	5	5	-1.2%	0	0	5	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	462	432	6.8%	34	8	236	234	NM	NM	189	188
Georgia	371	363	2.2%	0	0	55	45	NM	NM	314	316
Maryland	50	47	7.5%	0	0	37	38	NM	NM	10	6
North Carolina	207	230	-10.0%	0	0	96	114	6	6	106	110
South Carolina	188	171	10.1%	40	34	NM	9	0	0	140	128
Virginia	396	349	13.4%	145	107	95	92	20	20	137	130
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	555	556	-0.2%	9	9	28	25	0	0	518	523
Alabama	290	291	-0.2%	0	0	21	16	0	0	270	274
Kentucky	40	39	1.6%	9	9	0	0	0	0	31	31
Mississippi	134	136	-1.4%	0	0	NM	NM	0	0	133	135
Tennessee	90	90	0.5%	0	0	7	7	0	0	83	83
West South Central	553	608	-9.1%	18	0	60	124	NM	3	472	481
Arkansas	131	141	-7.3%	0	0	5	9	NM	NM	125	131
Louisiana	241	241	0.1%	0	0	7	7	0	0	234	234
Oklahoma	28	29	-3.8%	0	0	0	0	0	0	28	29
Texas	154	198	-22.2%	18	0	48	108	NM	3	85	87
Mountain	91	92	-0.8%	3	3	56	55	0	0	32	34
Arizona	22	21	4.5%	2	2	20	19	0	0	0	0
Colorado	7	7	-2.2%	0	0	7	7	0	0	0	0
Idaho	52	53	-2.4%	NM	NM	19	19	0	0	32	34
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2	NM	NM	0	0	2	NM	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	6	6	-2.2%	0	0	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	868	871	-0.3%	61	55	499	500	79	89	230	227
California	611	627	-2.5%	17	16	456	456	77	87	61	68
Oregon	90	92	-2.3%	5	5	34	35	NM	NM	49	50
Washington	167	152	10.1%	39	34	9	9	0	0	120	109
Pacific Noncontiguous	37	39	-4.9%	6	6	0	0	21	23	9	10
Alaska	NM	4	NM	0	0	0	0	NM	4	0	NM
Hawaii	33	35	-4.5%	6	6	0	0	18	20	9	9
U.S. Total	5,666	5,724	-1.0%	508	383	2,400	2,483	226	243	2,532	2,615

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

Table 1.18.B. Net Generation from Biomass

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	4,360	4,427	-1.5%	346	366	3,038	2,858	96	107	880	1,097
Connecticut	456	445	2.5%	0	0	445	426	11	19	0	0
Maine	1,902	2,055	-7.5%	0	0	961	897	61	62	880	1,097
Massachusetts	659	682	-3.3%	0	0	659	681	NM	NM	0	0
New Hampshire	952	857	11.0%	185	200	745	634	22	24	0	0
Rhode Island	132	121	8.6%	0	0	132	121	0	0	0	0
Vermont	259	266	-2.6%	161	167	96	98	NM	NM	0	0
Middle Atlantic	3,312	3,372	-1.8%	25	0	2,521	2,564	289	289	476	519
New Jersey	556	580	-4.2%	0	0	465	495	91	86	0	0
New York	1,361	1,404	-3.1%	25	0	1,072	1,117	129	133	135	154
Pennsylvania	1,395	1,387	0.6%	0	0	985	952	69	70	342	365
East North Central	3,404	3,653	-6.8%	337	393	1,963	2,155	133	120	970	986
Illinois	347	380	-8.6%	0	0	347	380	0	NM	0	0
Indiana	215	222	-3.0%	180	185	0	0	11	11	24	25
Michigan	1,458	1,617	-9.8%	0	0	934	1,072	115	101	410	444
Ohio	448	462	-3.0%	6	6	254	262	0	0	188	194
Wisconsin	935	973	-3.8%	151	202	428	441	8	8	349	322
West North Central	1,181	1,204	-1.9%	302	296	504	519	61	58	315	330
Iowa	84	93	-10.0%	15	15	48	50	15	15	5	13
Kansas	33	34	-2.7%	0	0	33	34	0	0	0	0
Minnesota	957	972	-1.6%	236	229	410	423	11	10	299	310
Missouri	63	62	2.3%	24	24	12	13	24	23	NM	NM
Nebraska	38	39	-1.6%	28	29	0	0	10	10	0	0
North Dakota	6	4	71.3%	0	0	0	0	0	0	6	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10,526	10,585	-0.6%	1,053	913	3,431	3,548	217	222	5,825	5,903
Delaware	33	34	-2.8%	0	0	33	34	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,862	2,870	-0.3%	86	57	1,549	1,586	20	17	1,207	1,210
Georgia	2,515	2,375	5.9%	0	0	371	340	14	14	2,130	2,021
Maryland	324	339	-4.7%	0	0	235	239	20	20	68	81
North Carolina	1,309	1,501	-12.8%	0	0	602	747	35	37	672	717
South Carolina	1,183	1,355	-12.6%	254	264	54	58	0	0	875	1,033
Virginia	2,297	2,109	8.9%	713	592	583	542	128	134	873	842
West Virginia	NM	2	NM	0	0	NM	2	0	0	0	0
East South Central	3,551	3,676	-3.4%	56	58	175	171	0	0	3,321	3,447
Alabama	1,852	1,931	-4.1%	0	0	123	118	0	0	1,729	1,813
Kentucky	286	289	-1.0%	56	58	0	0	0	0	230	232
Mississippi	839	872	-3.7%	0	1	7	7	0	0	832	864
Tennessee	574	585	-1.9%	0	0	44	45	0	0	530	539
West South Central	3,651	3,737	-2.3%	76	0	464	607	24	23	3,087	3,107
Arkansas	905	923	-1.9%	0	0	62	65	NM	3	840	855
Louisiana	1,555	1,541	0.9%	0	0	43	44	0	0	1,513	1,497
Oklahoma	181	187	-3.0%	0	0	0	0	0	0	181	187
Texas	1,009	1,086	-7.1%	76	0	359	498	21	20	553	568
Mountain	591	601	-1.6%	21	24	353	353	0	0	217	224
Arizona	139	135	2.8%	15	15	125	120	0	0	0	0
Colorado	48	51	-5.7%	0	3	48	48	0	0	0	0
Idaho	340	349	-2.6%	6	6	117	119	0	0	217	224
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	14	14	-3.0%	0	0	14	14	0	0	0	0
New Mexico	10	10	-1.1%	0	0	10	10	0	0	0	0
Utah	40	41	-2.7%	0	0	40	41	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,520	5,622	-1.8%	392	347	3,133	3,153	565	602	1,430	1,521
California	3,914	4,008	-2.3%	120	112	2,859	2,869	549	586	386	441
Oregon	593	623	-4.9%	35	36	218	226	12	13	328	349
Washington	1,013	990	2.3%	237	199	56	57	NM	3	716	731
Pacific Noncontiguous	232	226	3.0%	23	19	0	0	138	137	72	70
Alaska	30	29	2.4%	0	0	0	0	26	25	NM	4
Hawaii	203	196	3.1%	23	19	0	0	112	111	68	66
U.S. Total	36,329	37,102	-2.1%	2,631	2,416	15,583	15,926	1,523	1,557	16,593	17,203

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

Table 1.19.A. Net Generation from Geothermal by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
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	328	276	18.6%	23	21	304	255	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	4	NM	0	0	NM	4	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	280	231	21.2%	0	0	280	231	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	41	39	5.9%	23	21	18	18	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,082	1,084	-0.1%	70	72	1,012	1,012	0	0	0	0
California	1,072	1,075	-0.3%	70	72	1,002	1,003	0	0	0	0
Oregon	10	8	19.1%	0	0	10	8	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	18	25	-26.0%	0	0	18	25	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	18	25	-26.0%	0	0	18	25	0	0	0	0
U.S. Total	1,428	1,384	3.2%	93	93	1,335	1,291	0	0	0	0

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

Table 1.19.B. Net Generation from Geothermal

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 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	2,299	2,080	10.5%	147	158	2,152	1,922	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	32	28	13.2%	0	0	32	28	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,963	1,743	12.6%	0	0	1,963	1,743	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	292	297	-1.6%	147	158	146	139	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,381	7,362	0.3%	477	492	6,904	6,871	0	0	0	0
California	7,284	7,257	0.4%	477	492	6,807	6,765	0	0	0	0
Oregon	97	105	-7.5%	0	0	97	105	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	135	172	-21.4%	0	0	135	172	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	135	172	-21.4%	0	0	135	172	0	0	0	0
U.S. Total	9,815	9,614	2.1%	623	650	9,192	8,964	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 1.20.A. Net Generation from Solar by State, by Sector, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	88	52	70.0%	NM	NM	86	50	NM	0	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	76	46	64.5%	NM	NM	74	44	NM	0	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	7	NM	NM	0	0	7	NM	0	0	0	0
Middle Atlantic	105	90	16.6%	9	6	74	69	21	15	NM	NM
New Jersey	87	73	19.3%	9	6	58	52	20	15	NM	NM
New York	10	8	18.1%	0	0	10	8	NM	0	0	0
Pennsylvania	8	9	-6.5%	0	0	NM	8	NM	NM	NM	NM
East North Central	37	29	28.3%	NM	NM	35	28	NM	NM	NM	0
Illinois	6	6	-3.2%	NM	0	NM	6	0	0	0	0
Indiana	23	16	44.0%	NM	0	22	16	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	7	6	16.2%	NM	NM	NM	5	NM	NM	NM	0
Wisconsin	NM	0	--	0	0	NM	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	NM	0	--	0	0	NM	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	NM	NM	NM	0	0	NM	NM	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	262	148	77.2%	28	20	222	117	12	11	0	0
Delaware	7	6	10.1%	NM	NM	NM	5	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	30	23	29.8%	24	17	NM	NM	NM	NM	0	0
Georgia	16	13	21.3%	NM	0	14	13	NM	NM	0	0
Maryland	15	12	19.2%	NM	NM	13	10	NM	NM	0	0
North Carolina	195	93	109.3%	NM	NM	183	82	11	10	0	0
South Carolina	NM	NM	NM	0	0	NM	NM	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	11	NM	NM	0	0	10	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	11	NM	NM	0	0	10	NM	NM	NM	0	0
West South Central	47	30	58.0%	0	0	47	29	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	47	30	58.0%	0	0	47	29	NM	NM	0	0
Mountain	628	493	27.6%	68	59	546	426	14	8	NM	NM
Arizona	359	311	15.4%	53	48	303	260	NM	NM	0	0
Colorado	28	26	9.5%	0	0	27	24	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	169	97	75.0%	0	0	158	93	10	3	NM	NM
New Mexico	70	59	18.0%	15	10	55	49	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,624	994	63.4%	63	49	1,546	934	14	10	NM	NM
California	1,620	990	63.6%	62	48	1,543	931	14	10	NM	NM
Oregon	NM	3	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	39.7%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	7	NM	NM	NM	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	7	NM	NM	NM	0	NM	NM	0	0	0	0
U.S. Total	2,813	1,844	52.5%	174	137	2,574	1,661	63	45	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 1.20.B. Net Generation from Solar

by State, by Sector, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	501	263	90.3%	10	7	487	256	NM	NM	0	0
Connecticut	15	7	104.4%	0	0	15	7	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	433	230	88.6%	10	7	419	222	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	11	10	6.7%	0	0	11	10	0	0	0	0
Vermont	43	17	158.3%	0	0	43	17	0	0	0	0
Middle Atlantic	642	517	24.2%	59	33	454	389	122	87	8	7
New Jersey	530	417	26.9%	59	33	353	297	117	86	NM	NM
New York	58	48	20.4%	0	0	56	48	NM	0	0	0
Pennsylvania	54	51	5.6%	0	0	45	44	NM	NM	7	6
East North Central	222	162	37.1%	11	6	207	154	NM	NM	NM	0
Illinois	39	38	1.4%	NM	0	38	38	0	0	0	0
Indiana	136	86	57.7%	NM	0	131	86	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	47	38	23.2%	6	6	36	29	NM	NM	NM	0
Wisconsin	NM	0	--	0	0	NM	0	0	0	0	0
West North Central	17	8	105.2%	0	0	17	8	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	--	0	0	NM	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	13	6	124.1%	0	0	13	6	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	1,431	850	68.5%	141	125	1,220	657	71	67	0	0
Delaware	38	37	4.7%	6	6	32	31	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	157	141	11.2%	115	108	41	32	NM	NM	0	0
Georgia	92	81	13.9%	8	0	81	78	NM	NM	0	0
Maryland	79	70	11.8%	7	7	68	60	NM	NM	0	0
North Carolina	1,061	517	105.3%	5	5	994	452	62	60	0	0
South Carolina	NM	NM	NM	0	0	NM	NM	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	65	16	292.8%	0	0	63	15	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	65	16	292.8%	0	0	63	15	NM	NM	0	0
West South Central	234	168	38.8%	0	0	232	167	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	234	168	38.8%	0	0	232	167	NM	NM	0	0
Mountain	3,701	2,967	24.7%	403	296	3,228	2,624	67	45	NM	NM
Arizona	2,111	1,915	10.2%	318	235	1,780	1,666	13	13	0	0
Colorado	172	165	4.2%	0	0	161	154	11	11	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	1,005	571	76.0%	0	0	960	548	43	21	NM	NM
New Mexico	407	315	29.0%	86	61	321	254	0	0	0	0
Utah	7	NM	NM	0	0	7	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,984	5,538	62.2%	356	297	8,552	5,177	73	61	NM	4
California	8,963	5,519	62.4%	350	291	8,537	5,163	73	61	NM	4
Oregon	20	19	7.0%	5	5	15	14	0	0	0	0
Washington	1	0	10.1%	1	0	0	0	0	0	0	0
Pacific Noncontiguous	42	23	80.0%	18	0	24	23	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	42	23	80.0%	18	0	24	23	0	0	0	0
U.S. Total	15,839	10,514	50.6%	998	765	14,483	9,470	343	267	15	13

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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 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	860,729	638,327	217,219	513	4,670
2014	854,416	636,173	212,998	269	4,976
Year 2013					
January	75,049	55,688	18,919	55	386
February	67,129	49,022	17,700	50	358
March	70,469	52,038	17,979	49	404
April	60,807	45,540	14,852	40	374
May	64,688	48,328	15,922	40	399
June	75,054	56,015	18,605	38	395
July	83,213	61,387	21,360	38	429
August	81,970	61,396	20,127	38	408
Sept	72,723	53,126	19,179	38	380
October	66,348	49,423	16,521	37	367
November	65,959	49,621	15,930	42	366
December	77,319	56,743	20,125	47	404
Year 2014					
January	83,600	62,364	20,755	31	449
February	76,252	56,134	19,675	30	413
March	72,234	52,897	18,876	27	435
April	58,151	42,217	15,546	20	369
May	64,018	47,901	15,694	18	405
June	74,488	56,639	17,393	21	435
July	81,580	61,315	19,793	21	450
August	81,164	61,258	19,444	20	442
Sept	69,242	51,465	17,335	19	422
October	61,323	45,819	15,103	16	385
November	64,633	47,394	16,841	21	376
December	67,730	50,769	16,543	24	394
Year 2015					
January	71,518	52,825	18,288	26	379
February	67,181	49,883	16,907	26	365
March	58,445	44,011	14,026	25	384
April	48,704	37,578	10,798	16	312
May	57,309	43,920	13,027	16	346
June	69,299	52,034	16,859	16	391
July	76,401	57,198	18,769	15	420
Year to Date					
2013	496,409	368,017	125,337	310	2,745
2014	510,324	379,468	127,732	168	2,956
2015	448,858	337,448	108,674	141	2,596
Rolling 12 Months Ending in July					
2014	874,644	649,777	219,614	371	4,882
2015	792,951	594,153	193,940	242	4,616

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	18,350	0	2,416	843	15,090
2014	18,218	0	2,257	1,054	14,907
Year 2013					
January	1,699	0	225	94	1,381
February	1,527	0	198	88	1,242
March	1,631	0	203	83	1,345
April	1,442	0	192	59	1,191
May	1,479	0	194	66	1,219
June	1,428	0	197	63	1,168
July	1,527	0	219	63	1,245
August	1,496	0	215	63	1,218
Sept	1,404	0	196	58	1,150
October	1,470	0	164	53	1,253
November	1,599	0	212	70	1,318
December	1,647	0	203	83	1,362
Year 2014					
January	1,721	0	193	115	1,413
February	1,600	0	195	115	1,290
March	1,760	0	243	113	1,403
April	1,498	0	207	90	1,202
May	1,492	0	195	74	1,222
June	1,394	0	191	67	1,136
July	1,490	0	200	77	1,213
August	1,474	0	183	70	1,221
Sept	1,413	0	168	71	1,174
October	1,406	0	153	71	1,181
November	1,480	0	178	93	1,209
December	1,491	0	152	97	1,242
Year 2015					
January	1,583	0	176	102	1,306
February	1,387	0	166	92	1,129
March	1,521	0	170	92	1,259
April	1,305	0	121	71	1,113
May	1,318	0	139	68	1,111
June	1,245	0	152	48	1,045
July	1,353	0	152	53	1,148
Year to Date					
2013	10,734	0	1,427	516	8,791
2014	10,955	0	1,423	651	8,881
2015	9,711	0	1,075	525	8,111
Rolling 12 Months Ending in July					
2014	18,571	0	2,412	979	15,180
2015	16,975	0	1,909	928	14,137

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	879,078	638,327	219,635	1,356	19,761
2014	872,634	636,173	215,255	1,323	19,883
Year 2013					
January	76,748	55,688	19,144	149	1,767
February	68,656	49,022	17,897	137	1,600
March	72,100	52,038	18,182	132	1,748
April	62,249	45,540	15,044	100	1,565
May	66,168	48,328	16,116	105	1,618
June	76,482	56,015	18,802	102	1,563
July	84,740	61,387	21,580	100	1,674
August	83,466	61,396	20,342	102	1,626
Sept	74,127	53,126	19,375	96	1,530
October	67,818	49,423	16,685	91	1,620
November	67,559	49,621	16,142	112	1,683
December	78,966	56,743	20,327	130	1,765
Year 2014					
January	85,321	62,364	20,948	146	1,862
February	77,852	56,134	19,870	145	1,703
March	73,994	52,897	19,119	140	1,838
April	59,650	42,217	15,752	109	1,571
May	65,510	47,901	15,889	92	1,627
June	75,882	56,639	17,584	88	1,571
July	83,070	61,315	19,992	98	1,664
August	82,638	61,258	19,627	90	1,663
Sept	70,655	51,465	17,503	91	1,596
October	62,729	45,819	15,256	88	1,566
November	66,112	47,394	17,019	114	1,585
December	69,221	50,769	16,695	121	1,636
Year 2015					
January	73,101	52,825	18,463	128	1,684
February	68,569	49,883	17,073	119	1,494
March	59,966	44,011	14,196	117	1,643
April	50,009	37,578	10,919	87	1,426
May	58,627	43,920	13,166	84	1,457
June	70,544	52,034	17,011	64	1,435
July	77,754	57,198	18,921	68	1,568
Year to Date					
2013	507,142	368,017	126,765	825	11,535
2014	521,279	379,468	129,155	819	11,837
2015	458,570	337,448	109,749	666	10,706
Rolling 12 Months Ending in July					
2014	893,215	649,777	222,026	1,350	20,062
2015	809,925	594,153	195,849	1,170	18,753

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	23,231	16,827	5,494	328	582
2014	32,084	20,197	10,682	565	640
Year 2013					
January	2,962	1,809	1,036	47	69
February	1,890	1,279	526	35	51
March	1,639	1,334	232	24	50
April	1,685	1,335	282	24	43
May	1,789	1,419	294	20	55
June	1,699	1,321	319	18	41
July	2,546	1,732	740	31	43
August	1,776	1,402	306	26	41
Sept	1,591	1,170	361	19	40
October	1,581	1,247	270	21	44
November	1,657	1,305	282	24	46
December	2,416	1,473	848	38	57
Year 2014					
January	10,637	4,743	5,543	235	117
February	3,131	1,896	1,090	75	70
March	3,602	1,931	1,519	77	74
April	1,498	1,245	205	19	NM
May	1,629	1,318	251	20	40
June	1,522	1,203	255	19	44
July	1,710	1,344	306	20	40
August	1,812	1,380	360	20	52
Sept	1,678	1,358	259	18	43
October	1,523	1,224	246	18	36
November	1,673	1,274	323	21	55
December	1,669	1,280	324	23	41
Year 2015					
January	3,395	2,128	1,119	72	76
February	8,847	3,716	4,811	219	102
March	1,834	1,270	469	30	65
April	1,555	1,273	215	19	48
May	1,747	1,301	369	23	55
June	1,782	1,430	265	23	65
July	2,068	1,558	420	28	62
Year to Date					
2013	14,210	10,229	3,428	200	353
2014	23,729	13,681	9,169	465	413
2015	21,229	12,676	7,668	414	471
Rolling 12 Months Ending in July					
2014	32,750	20,279	11,236	593	NM
2015	29,584	19,191	9,180	514	699

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,456	0	1,050	498	1,908
2014	4,289	0	1,197	869	2,223
Year 2013					
January	473	0	63	214	196
February	311	0	79	55	178
March	235	0	89	3	143
April	245	0	89	3	153
May	248	0	92	7	149
June	230	0	86	6	139
July	220	0	90	13	117
August	209	0	90	5	114
Sept	203	0	94	3	106
October	229	0	99	10	120
November	234	0	88	12	134
December	619	0	92	167	360
Year 2014					
January	1,113	0	193	381	539
February	486	0	98	123	266
March	491	0	109	132	251
April	225	0	88	21	NM
May	248	0	92	28	128
June	268	0	90	28	150
July	253	0	98	28	127
August	266	0	96	31	138
Sept	203	0	65	22	116
October	217	0	98	18	101
November	283	0	95	26	162
December	235	0	75	30	130
Year 2015					
January	570	0	107	121	341
February	1,005	0	198	362	444
March	313	0	90	46	178
April	250	0	84	21	145
May	277	0	87	31	159
June	255	0	84	31	140
July	274	0	98	40	135
Year to Date					
2013	1,962	0	588	300	1,074
2014	3,084	0	768	741	1,576
2015	2,943	0	748	653	1,542
Rolling 12 Months Ending in July					
2014	4,578	0	1,229	939	NM
2015	4,147	0	1,177	781	2,189

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	26,687	16,827	6,544	826	2,490
2014	36,373	20,197	11,879	1,433	2,863
Year 2013					
January	3,435	1,809	1,099	261	265
February	2,202	1,279	604	90	229
March	1,874	1,334	321	27	193
April	1,930	1,335	371	27	196
May	2,037	1,419	386	27	204
June	1,929	1,321	405	24	179
July	2,766	1,732	829	44	160
August	1,985	1,402	396	32	155
Sept	1,794	1,170	455	22	146
October	1,810	1,247	369	31	164
November	1,891	1,305	369	36	181
December	3,035	1,473	940	205	417
Year 2014					
January	11,750	4,743	5,736	616	655
February	3,618	1,896	1,188	197	337
March	4,093	1,931	1,628	209	325
April	1,722	1,245	293	41	NM
May	1,876	1,318	342	48	168
June	1,790	1,203	345	48	194
July	1,964	1,344	405	48	167
August	2,078	1,380	456	51	191
Sept	1,881	1,358	324	40	159
October	1,740	1,224	343	36	136
November	1,957	1,274	419	47	217
December	1,904	1,280	399	53	172
Year 2015					
January	3,965	2,128	1,226	193	417
February	9,852	3,716	5,009	582	546
March	2,148	1,270	559	76	243
April	1,804	1,273	299	40	193
May	2,024	1,301	455	54	214
June	2,037	1,430	349	54	205
July	2,342	1,558	518	68	197
Year to Date					
2013	16,172	10,229	4,016	500	1,427
2014	26,813	13,681	9,937	1,206	1,989
2015	24,172	12,676	8,416	1,067	2,014
Rolling 12 Months Ending in July					
2014	37,329	20,279	12,465	1,532	NM
2015	33,731	19,191	10,357	1,294	2,888

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,852	3,409	779	1	662
2014	4,325	3,356	598	2	369
Year 2013					
January	385	253	67	0	65
February	314	220	62	0	32
March	364	236	67	0	60
April	342	217	62	0	63
May	469	361	41	0	68
June	476	348	63	0	66
July	474	337	72	0	65
August	491	332	93	0	66
Sept	442	326	60	0	57
October	404	289	64	0	51
November	308	217	60	0	30
December	381	272	69	0	39
Year 2014					
January	443	349	55	0	39
February	367	276	57	0	35
March	431	332	57	0	42
April	298	212	55	0	30
May	383	301	49	0	33
June	407	326	46	0	35
July	366	285	53	0	29
August	364	286	50	0	28
Sept	352	268	61	0	23
October	222	177	23	0	21
November	278	221	33	0	24
December	414	322	60	0	31
Year 2015					
January	386	300	57	0	30
February	404	317	57	0	30
March	279	196	61	0	23
April	297	211	59	0	27
May	343	261	59	0	23
June	307	235	55	0	18
July	421	334	59	0	28
Year to Date					
2013	2,825	1,972	433	1	419
2014	2,695	2,081	371	1	243
2015	2,438	1,853	406	1	178
Rolling 12 Months Ending in July					
2014	4,722	3,518	718	2	486
2015	4,068	3,128	633	2	304

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,486	0	96	11	1,379
2014	1,495	0	90	16	1,389
Year 2013					
January	137	0	9	2	127
February	103	0	7	1	94
March	129	0	9	1	119
April	114	0	9	0	105
May	130	0	8	0	123
June	130	0	5	0	125
July	140	0	9	0	132
August	162	0	8	1	152
Sept	115	0	7	1	107
October	118	0	9	1	108
November	92	0	8	1	83
December	115	0	9	1	105
Year 2014					
January	118	0	9	2	108
February	103	0	7	1	95
March	113	0	8	2	103
April	104	0	9	2	93
May	72	0	8	1	63
June	80	0	0	0	79
July	166	0	5	0	161
August	177	0	9	2	167
Sept	158	0	9	2	147
October	121	0	9	1	110
November	139	0	9	2	128
December	145	0	9	2	134
Year 2015					
January	129	0	10	2	117
February	123	0	9	2	112
March	121	0	8	2	111
April	103	0	10	1	92
May	103	0	10	0	93
June	84	0	9	0	76
July	93	0	9	0	84
Year to Date					
2013	884	0	55	5	824
2014	755	0	45	7	703
2015	756	0	64	8	685
Rolling 12 Months Ending in July					
2014	1,358	0	86	13	1,259
2015	1,496	0	109	17	1,371

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	6,338	3,409	875	12	2,041
2014	5,820	3,356	688	18	1,758
Year 2013					
January	522	253	76	2	191
February	416	220	69	2	126
March	493	236	76	2	180
April	456	217	71	0	168
May	600	361	48	0	191
June	606	348	68	0	191
July	614	337	80	0	197
August	653	332	101	2	218
Sept	558	326	67	1	164
October	522	289	73	1	158
November	400	217	68	1	114
December	496	272	78	2	144
Year 2014					
January	561	349	64	2	146
February	471	276	63	2	130
March	544	332	65	2	144
April	401	212	64	2	124
May	455	301	57	1	97
June	487	326	46	0	115
July	532	285	57	0	190
August	541	286	59	2	194
Sept	510	268	70	2	170
October	342	177	32	2	131
November	417	221	42	2	152
December	559	322	69	2	165
Year 2015					
January	516	300	67	3	147
February	528	317	65	2	143
March	400	196	69	2	133
April	400	211	68	2	119
May	446	261	69	0	116
June	392	235	64	0	93
July	513	334	68	0	111
Year to Date					
2013	3,709	1,972	488	5	1,243
2014	3,451	2,081	416	8	946
2015	3,195	1,853	470	9	863
Rolling 12 Months Ending in July					
2014	6,080	3,518	803	15	1,744
2015	5,564	3,128	742	19	1,675

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	8,596,299	3,970,447	3,917,131	66,570	642,152
2014	8,502,964	3,723,837	4,106,823	63,797	608,507
Year 2013					
January	666,650	310,174	296,071	5,247	55,159
February	599,100	278,139	266,731	4,807	49,424
March	637,349	293,545	285,259	5,365	53,180
April	595,667	268,467	272,544	5,095	49,562
May	646,296	295,973	294,795	5,160	50,369
June	771,868	363,204	349,597	5,582	53,485
July	949,141	432,493	451,078	7,169	58,401
August	937,197	442,939	430,139	6,449	57,671
Sept	784,619	365,005	361,481	6,005	52,128
October	669,764	312,216	300,858	4,993	51,697
November	633,885	284,526	291,241	4,881	53,237
December	704,762	323,768	317,338	5,817	57,840
Year 2014					
January	693,701	309,154	323,905	5,723	54,919
February	576,829	248,391	274,859	5,194	48,385
March	589,375	256,913	274,764	5,253	52,446
April	578,188	255,080	270,394	4,837	47,877
May	675,243	314,387	307,894	4,812	48,150
June	752,363	335,439	362,926	5,099	48,899
July	875,603	379,006	438,296	5,690	52,612
August	929,599	410,371	460,830	5,902	52,497
Sept	803,586	341,201	406,533	5,543	50,309
October	730,714	308,587	369,739	5,340	47,048
November	630,894	274,273	300,545	5,079	50,997
December	666,868	291,034	316,139	5,327	54,369
Year 2015					
January	744,386	327,173	357,433	5,408	54,372
February	674,793	307,810	316,262	4,633	46,088
March	740,011	335,198	352,615	5,328	46,870
April	691,236	318,449	323,944	4,598	44,245
May	764,989	348,546	361,959	5,603	48,881
June	920,110	429,496	433,664	5,378	51,572
July	1,078,451	507,350	510,597	5,878	54,626
Year to Date					
2013	4,866,072	2,241,994	2,216,075	38,425	369,579
2014	4,741,303	2,098,371	2,253,038	36,607	353,287
2015	5,613,976	2,574,022	2,656,473	36,827	346,654
Rolling 12 Months Ending in July					
2014	8,471,531	3,826,824	3,954,094	64,752	625,860
2015	9,375,636	4,199,488	4,510,258	64,016	601,874

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	882,385	0	303,177	51,057	528,151
2014	877,106	0	318,451	48,004	510,651
Year 2013					
January	74,638	0	25,440	4,277	44,920
February	67,391	0	23,519	3,883	39,989
March	73,151	0	25,107	4,051	43,993
April	70,245	0	23,817	3,571	42,857
May	70,784	0	24,040	3,703	43,041
June	70,610	0	24,349	4,045	42,216
July	78,649	0	27,553	4,968	46,128
August	78,207	0	27,452	4,811	45,943
Sept	72,884	0	24,996	4,358	43,529
October	72,095	0	23,964	4,137	43,993
November	73,889	0	25,253	4,336	44,300
December	79,843	0	27,687	4,915	47,241
Year 2014					
January	83,146	0	29,951	4,988	48,208
February	70,254	0	25,737	4,099	40,417
March	75,879	0	27,211	3,919	44,750
April	69,916	0	24,871	3,722	41,322
May	67,839	0	25,369	3,659	38,810
June	69,467	0	25,670	3,583	40,213
July	71,858	0	26,661	3,663	41,534
August	74,509	0	27,513	4,010	42,986
Sept	70,872	0	25,097	3,789	41,986
October	72,080	0	25,339	4,068	42,674
November	73,467	0	26,525	4,155	42,788
December	77,820	0	28,508	4,348	44,964
Year 2015					
January	79,631	0	28,268	4,862	46,501
February	72,565	0	25,489	4,536	42,540
March	81,551	0	28,867	4,724	47,960
April	75,604	0	26,206	4,112	45,286
May	74,244	0	25,618	4,146	44,480
June	73,210	0	25,733	4,113	43,364
July	80,178	0	27,811	4,511	47,856
Year to Date					
2013	505,468	0	173,825	28,499	303,145
2014	508,358	0	185,470	27,634	295,254
2015	536,984	0	187,991	31,006	317,987
Rolling 12 Months Ending in July					
2014	885,275	0	314,823	50,192	520,261
2015	905,732	0	320,972	51,376	533,384

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	9,478,685	3,970,447	4,220,309	117,626	1,170,303
2014	9,380,070	3,723,837	4,425,274	111,801	1,119,158
Year 2013					
January	741,288	310,174	321,512	9,524	100,079
February	666,492	278,139	290,249	8,690	89,413
March	710,500	293,545	310,365	9,417	97,174
April	665,912	268,467	296,361	8,666	92,419
May	717,080	295,973	318,835	8,863	93,410
June	842,478	363,204	373,946	9,627	95,701
July	1,027,790	432,493	478,631	12,137	104,529
August	1,015,404	442,939	457,592	11,260	103,614
Sept	857,503	365,005	386,477	10,363	95,657
October	741,859	312,216	324,822	9,130	95,691
November	707,774	284,526	316,494	9,218	97,537
December	784,605	323,768	345,024	10,732	105,081
Year 2014					
January	776,847	309,154	353,856	10,711	103,127
February	647,083	248,391	300,597	9,293	88,802
March	665,254	256,913	301,974	9,171	97,196
April	648,104	255,080	295,265	8,560	89,199
May	743,082	314,387	333,263	8,472	86,960
June	821,830	335,439	388,596	8,683	89,112
July	947,462	379,006	464,957	9,353	94,146
August	1,004,108	410,371	488,342	9,912	95,483
Sept	874,458	341,201	431,630	9,332	92,295
October	802,794	308,587	395,078	9,408	89,722
November	704,361	274,273	327,069	9,233	93,785
December	744,688	291,034	344,647	9,674	99,333
Year 2015					
January	824,017	327,173	385,701	10,270	100,873
February	747,358	307,810	341,750	9,169	88,628
March	821,562	335,198	381,482	10,052	94,830
April	766,840	318,449	350,150	8,711	89,531
May	839,233	348,546	387,577	9,750	93,361
June	993,320	429,496	459,397	9,491	94,936
July	1,158,629	507,350	538,407	10,390	102,482
Year to Date					
2013	5,371,540	2,241,994	2,389,900	66,923	672,724
2014	5,249,661	2,098,371	2,438,508	64,242	648,541
2015	6,150,959	2,574,022	2,844,464	67,832	664,641
Rolling 12 Months Ending in July					
2014	9,356,806	3,826,824	4,268,917	114,945	1,146,120
2015	10,281,368	4,199,488	4,831,230	115,392	1,135,258

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	271,967	27,259	211,942	28,143	4,623
2014	313,570	33,312	247,487	27,676	5,096
Year 2013					
January	22,446	2,169	17,413	2,494	371
February	20,061	1,962	15,670	2,098	331
March	23,296	2,302	18,243	2,384	366
April	21,467	2,261	16,911	1,942	353
May	23,275	2,317	18,229	2,343	387
June	22,614	2,168	17,652	2,407	387
July	23,199	2,109	18,232	2,469	389
August	24,445	2,964	18,590	2,515	377
Sept	22,680	2,272	17,654	2,366	388
October	22,199	2,286	17,082	2,432	400
November	22,709	2,210	17,825	2,252	422
December	23,576	2,241	18,441	2,441	453
Year 2014					
January	27,091	2,832	21,015	2,743	501
February	23,537	2,481	18,251	2,398	408
March	26,931	2,849	21,125	2,511	446
April	26,222	2,788	20,736	2,280	418
May	26,175	2,785	20,799	2,205	385
June	26,101	2,787	20,855	2,083	376
July	27,329	2,917	21,786	2,228	398
August	26,616	2,829	21,057	2,320	411
Sept	25,348	2,717	20,111	2,131	389
October	26,154	2,799	20,625	2,295	434
November	25,486	2,731	20,286	2,016	453
December	26,580	2,798	20,841	2,466	476
Year 2015					
January	27,317	2,852	21,195	2,764	505
February	23,447	2,442	18,227	2,349	430
March	25,450	2,633	19,699	2,640	479
April	25,248	2,688	20,046	2,127	387
May	26,513	2,696	21,244	2,165	408
June	24,773	2,782	19,926	1,754	311
July	26,519	2,945	21,498	1,742	334
Year to Date					
2013	156,357	15,286	122,350	16,137	2,584
2014	183,387	19,439	144,567	16,448	2,933
2015	179,267	19,038	141,836	15,541	2,853
Rolling 12 Months Ending in July					
2014	298,996	31,411	234,159	28,454	4,972
2015	309,451	32,911	244,755	26,769	5,016

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	831	0	261	423	147
2014	1,803	0	1,016	596	191
Year 2013					
January	64	0	18	33	12
February	64	0	22	30	11
March	60	0	23	24	13
April	76	0	28	37	11
May	86	0	35	40	11
June	79	0	30	37	12
July	87	0	35	39	13
August	77	0	27	37	13
Sept	65	0	17	35	12
October	62	0	15	35	12
November	54	0	4	38	12
December	59	0	8	38	13
Year 2014					
January	230	0	127	72	31
February	211	0	114	59	37
March	152	0	82	51	19
April	83	0	49	34	0
May	88	0	49	35	4
June	65	0	37	28	0
July	73	0	42	31	0
August	80	0	46	34	0
Sept	75	0	44	31	0
October	234	0	134	72	28
November	264	0	153	75	36
December	247	0	139	73	35
Year 2015					
January	355	0	207	96	53
February	320	0	182	83	54
March	268	0	150	79	39
April	82	0	49	33	0
May	82	0	45	37	0
June	41	0	19	22	0
July	48	0	27	21	0
Year to Date					
2013	514	0	191	240	83
2014	903	0	500	311	92
2015	1,195	0	679	371	146
Rolling 12 Months Ending in July					
2014	1,219	0	570	494	155
2015	2,095	0	1,194	656	245

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, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	272,798	27,259	212,203	28,566	4,770
2014	315,373	33,312	248,503	28,272	5,287
Year 2013					
January	22,510	2,169	17,431	2,527	383
February	20,125	1,962	15,692	2,128	342
March	23,355	2,302	18,267	2,408	378
April	21,542	2,261	16,939	1,979	364
May	23,361	2,317	18,263	2,383	398
June	22,693	2,168	17,682	2,443	400
July	23,286	2,109	18,267	2,508	402
August	24,522	2,964	18,617	2,552	390
Sept	22,744	2,272	17,671	2,402	400
October	22,261	2,286	17,096	2,467	413
November	22,764	2,210	17,829	2,290	434
December	23,635	2,241	18,448	2,479	466
Year 2014					
January	27,321	2,832	21,142	2,814	532
February	23,748	2,481	18,365	2,457	445
March	27,083	2,849	21,207	2,562	465
April	26,305	2,788	20,785	2,314	418
May	26,263	2,785	20,848	2,240	389
June	26,166	2,787	20,892	2,111	376
July	27,402	2,917	21,828	2,259	398
August	26,695	2,829	21,102	2,354	411
Sept	25,423	2,717	20,155	2,162	389
October	26,388	2,799	20,759	2,367	463
November	25,750	2,731	20,439	2,092	489
December	26,827	2,798	20,980	2,539	511
Year 2015					
January	27,672	2,852	21,402	2,860	558
February	23,767	2,442	18,409	2,432	484
March	25,718	2,633	19,848	2,719	517
April	25,330	2,688	20,095	2,160	387
May	26,595	2,696	21,289	2,202	408
June	24,813	2,782	19,945	1,776	311
July	26,567	2,945	21,526	1,762	334
Year to Date					
2013	156,872	15,286	122,541	16,377	2,667
2014	184,289	19,439	145,068	16,758	3,025
2015	180,462	19,038	142,514	15,911	2,999
Rolling 12 Months Ending in July					
2014	300,216	31,411	234,730	28,948	5,127
2015	311,546	32,911	245,949	27,425	5,261

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	17,007	456	14,057	2,485	8
2014	15,755	444	13,069	2,234	8
Year 2013					
January	1,328	32	1,115	181	0
February	1,199	30	1,000	169	0
March	1,411	31	1,175	205	1
April	1,371	43	1,121	206	1
May	1,480	43	1,218	218	1
June	1,503	40	1,242	220	1
July	1,549	44	1,278	226	1
August	1,478	40	1,213	224	1
Sept	1,408	38	1,154	216	1
October	1,403	41	1,155	206	0
November	1,350	40	1,107	203	0
December	1,528	35	1,280	213	1
Year 2014					
January	1,288	28	1,064	194	1
February	1,126	24	944	157	1
March	1,344	38	1,121	185	1
April	1,305	44	1,077	183	0
May	1,341	42	1,120	179	0
June	1,328	40	1,105	183	0
July	1,409	44	1,166	198	0
August	1,388	38	1,152	198	0
Sept	1,312	38	1,090	185	0
October	1,300	40	1,074	185	1
November	1,304	32	1,080	191	1
December	1,310	36	1,076	197	1
Year 2015					
January	1,287	31	1,064	192	1
February	1,132	24	943	165	1
March	1,225	28	1,006	190	1
April	1,243	41	1,021	181	0
May	1,299	45	1,077	176	1
June	1,320	44	1,103	173	0
July	1,453	104	1,154	194	0
Year to Date					
2013	9,841	263	8,149	1,424	5
2014	9,140	261	7,597	1,279	4
2015	8,959	316	7,368	1,270	5
Rolling 12 Months Ending in July					
2014	16,307	455	13,505	2,340	7
2015	15,573	499	12,840	2,225	9

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,865	0	517	1,160	187
2014	1,819	0	594	1,077	148
Year 2013					
January	156	0	42	98	17
February	143	0	40	91	12
March	167	0	47	104	16
April	164	0	40	109	15
May	153	0	32	105	16
June	167	0	47	103	17
July	158	0	45	95	18
August	155	0	44	93	17
Sept	152	0	39	97	16
October	150	0	46	91	13
November	141	0	46	82	14
December	159	0	48	94	16
Year 2014					
January	155	0	55	87	13
February	128	0	46	72	10
March	153	0	47	93	13
April	154	0	52	88	13
May	150	0	49	89	12
June	153	0	52	89	13
July	159	0	50	96	14
August	143	0	41	90	12
Sept	147	0	43	91	12
October	152	0	53	88	11
November	156	0	50	93	12
December	170	0	56	101	13
Year 2015					
January	173	0	66	94	13
February	129	0	46	74	9
March	163	0	58	93	12
April	154	0	51	90	12
May	152	0	45	94	12
June	147	0	43	91	13
July	177	0	53	108	16
Year to Date					
2013	1,108	0	294	704	111
2014	1,051	0	351	614	86
2015	1,094	0	363	645	86
Rolling 12 Months Ending in July					
2014	1,808	0	575	1,070	163
2015	1,862	0	605	1,109	148

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-July 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	18,871	456	14,574	3,646	195
2014	17,574	444	13,663	3,311	156
Year 2013					
January	1,484	32	1,157	278	17
February	1,342	30	1,040	259	13
March	1,579	31	1,222	309	17
April	1,535	43	1,161	315	16
May	1,633	43	1,250	323	17
June	1,669	40	1,289	322	18
July	1,707	44	1,323	322	18
August	1,633	40	1,257	317	18
Sept	1,559	38	1,193	312	17
October	1,552	41	1,201	297	13
November	1,491	40	1,152	284	14
December	1,687	35	1,328	307	17
Year 2014					
January	1,442	28	1,119	281	14
February	1,253	24	990	229	10
March	1,497	38	1,168	278	13
April	1,459	44	1,130	272	14
May	1,491	42	1,169	268	12
June	1,481	40	1,156	271	13
July	1,568	44	1,216	294	14
August	1,531	38	1,193	288	13
Sept	1,459	38	1,132	276	13
October	1,452	40	1,127	273	13
November	1,460	32	1,131	284	14
December	1,480	36	1,132	298	14
Year 2015					
January	1,460	31	1,130	286	14
February	1,262	24	989	238	10
March	1,388	28	1,064	283	13
April	1,397	41	1,072	271	13
May	1,450	45	1,122	270	13
June	1,467	44	1,146	264	13
July	1,630	104	1,208	302	16
Year to Date					
2013	10,949	263	8,442	2,128	116
2014	10,192	261	7,948	1,892	90
2015	10,053	316	7,731	1,915	91
Rolling 12 Months Ending in July					
2014	18,114	455	14,080	3,410	170
2015	17,436	499	13,445	3,334	157

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 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	92	115	-20.0%	11	27	80	87	0	0	1	1
Connecticut	11	33	-66.0%	0	0	11	33	0	0	0	0
Maine	1	1	-16.0%	0	0	1	1	0	0	0	0
Massachusetts	68	54	27.0%	0	0	68	53	0	0	1	1
New Hampshire	11	27	-58.0%	11	27	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	2,975	3,469	-14.0%	NM	NM	2,953	3,442	NM	1	21	26
New Jersey	51	111	-54.0%	0	0	51	111	0	0	0	0
New York	117	180	-35.0%	NM	NM	111	174	0	0	6	6
Pennsylvania	2,807	3,178	-12.0%	0	0	2,791	3,157	NM	1	16	20
East North Central	16,490	17,421	-5.3%	10,489	12,261	5,904	5,052	4	7	92	101
Illinois	4,487	4,667	-3.9%	482	504	3,949	4,105	2	2	54	56
Indiana	3,988	4,306	-7.4%	3,738	4,062	249	241	1	3	NM	1
Michigan	2,902	2,924	-0.7%	2,859	2,886	25	18	2	2	17	18
Ohio	2,898	3,624	-20.0%	1,213	2,928	1,681	688	NM	NM	4	8
Wisconsin	2,215	1,899	17.0%	2,198	1,881	0	0	NM	NM	17	18
West North Central	12,843	13,194	-2.7%	12,691	13,031	1	1	5	5	146	156
Iowa	1,955	2,031	-3.7%	1,879	1,950	0	0	3	4	73	77
Kansas	1,779	1,928	-7.8%	1,779	1,928	0	0	0	0	0	0
Minnesota	1,545	1,473	4.9%	1,514	1,437	0	0	0	0	32	36
Missouri	3,906	4,182	-6.6%	3,901	4,176	1	1	2	1	2	3
Nebraska	1,550	1,432	8.2%	1,517	1,399	0	0	0	0	32	33
North Dakota	2,108	2,000	5.4%	2,101	1,992	0	0	0	0	7	8
South Dakota	0	148	-100.0%	0	148	0	0	0	0	0	0
South Atlantic	11,732	12,255	-4.3%	10,272	10,467	1,409	1,729	2	1	48	58
Delaware	21	27	-22.0%	0	0	21	27	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,956	2,219	-12.0%	1,880	2,135	74	80	0	0	NM	3
Georgia	2,283	2,583	-12.0%	2,280	2,576	0	0	0	0	3	7
Maryland	692	626	11.0%	0	0	688	621	NM	NM	3	4
North Carolina	2,142	1,831	17.0%	2,085	1,764	53	62	1	0	NM	4
South Carolina	1,049	1,213	-14.0%	1,044	1,209	0	0	0	0	6	5
Virginia	826	821	0.7%	773	764	45	44	NM	NM	9	12
West Virginia	2,762	2,936	-5.9%	2,212	2,019	529	895	0	0	22	22
East South Central	8,211	8,661	-5.2%	7,859	8,302	330	337	0	1	21	21
Alabama	2,454	2,516	-2.5%	2,451	2,513	0	0	0	0	3	3
Kentucky	3,378	3,550	-4.9%	3,378	3,550	0	0	0	0	0	0
Mississippi	587	801	-27.0%	257	465	330	337	0	0	0	0
Tennessee	1,792	1,793	-0.1%	1,773	1,775	0	0	0	1	19	18
West South Central	13,545	15,347	-12.0%	6,994	7,874	6,534	7,455	0	0	16	18
Arkansas	1,569	1,720	-8.8%	1,310	1,719	258	0	0	0	1	1
Louisiana	1,093	1,368	-20.0%	697	751	396	617	0	0	0	0
Oklahoma	1,736	1,726	0.6%	1,607	1,592	114	116	0	0	15	17
Texas	9,147	10,534	-13.0%	3,380	3,812	5,767	6,722	0	0	0	0
Mountain	9,754	10,290	-5.2%	8,653	9,157	1,036	1,072	0	0	65	61
Arizona	2,045	2,185	-6.4%	2,045	2,185	0	0	0	0	0	0
Colorado	1,663	1,805	-7.9%	1,661	1,802	NM	2	0	0	NM	NM
Idaho	2	2	-5.6%	0	0	0	0	0	0	2	2
Montana	941	941	0.0%	NM	NM	916	916	0	0	NM	NM
Nevada	220	396	-44.0%	169	316	51	81	0	0	0	0
New Mexico	1,140	1,210	-5.8%	1,140	1,210	0	0	0	0	0	0
Utah	1,335	1,411	-5.4%	1,261	1,339	31	NM	0	0	43	39
Wyoming	2,408	2,339	2.9%	2,353	2,280	NM	NM	0	0	19	19
Pacific Contiguous	643	725	-11.0%	192	184	444	535	0	0	7	6
California	10	44	-79.0%	0	0	NM	39	0	0	6	6
Oregon	192	184	4.3%	192	184	0	0	0	0	0	0
Washington	442	497	-11.0%	0	0	441	496	0	0	1	1
Pacific Noncontiguous	118	103	15.0%	35	11	77	82	3	7	NM	NM
Alaska	57	36	57.0%	35	11	18	18	3	7	0	0
Hawaii	61	66	-8.3%	0	0	59	64	0	0	NM	NM
U.S. Total	76,401	81,580	-6.3%	57,198	61,315	18,769	19,793	15	21	420	450

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 July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,463	1,936	-24.0%	369	431	1,085	1,496	0	0	10	9
Connecticut	350	420	-17.0%	0	0	350	420	0	0	0	0
Maine	15	14	12.0%	0	0	9	8	0	0	7	6
Massachusetts	729	1,071	-32.0%	0	0	726	1,068	0	0	3	3
New Hampshire	369	431	-14.0%	369	431	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	20,972	26,464	-21.0%	NM	NM	20,807	26,284	11	4	152	169
New Jersey	536	796	-33.0%	0	0	536	796	0	0	0	0
New York	812	1,761	-54.0%	NM	NM	770	1,715	0	0	38	39
Pennsylvania	19,624	23,907	-18.0%	0	0	19,500	23,773	11	4	113	130
East North Central	100,460	113,848	-12.0%	70,033	80,577	29,771	32,511	30	49	626	710
Illinois	27,200	30,310	-10.0%	3,237	3,316	23,601	26,600	10	12	352	382
Indiana	23,963	29,486	-19.0%	22,375	27,951	1,577	1,513	9	19	3	4
Michigan	17,348	17,438	-0.5%	17,071	17,139	152	146	11	17	114	137
Ohio	19,271	23,880	-19.0%	14,792	19,570	4,441	4,253	1	1	38	57
Wisconsin	12,679	12,733	-0.4%	12,559	12,601	0	0	NM	0	120	131
West North Central	76,196	81,019	-6.0%	75,183	79,889	9	9	33	43	971	1,078
Iowa	11,517	11,764	-2.1%	11,006	11,207	0	0	21	29	489	528
Kansas	9,948	10,983	-9.4%	9,948	10,983	0	0	0	0	0	0
Minnesota	9,359	9,763	-4.1%	9,147	9,507	0	0	0	0	212	256
Missouri	22,969	25,914	-11.0%	22,934	25,869	9	9	12	14	14	22
Nebraska	8,684	8,857	-1.9%	8,472	8,638	0	0	0	0	213	219
North Dakota	13,384	12,653	5.8%	13,341	12,600	0	0	0	0	43	53
South Dakota	335	1,085	-69.0%	335	1,085	0	0	0	0	0	0
South Atlantic	67,285	78,282	-14.0%	56,757	65,008	10,222	12,895	18	14	288	366
Delaware	215	362	-41.0%	0	0	215	362	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11,268	13,309	-15.0%	10,993	12,955	258	331	0	0	17	23
Georgia	12,736	14,878	-14.0%	12,708	14,814	0	0	0	0	28	64
Maryland	4,286	5,132	-16.0%	0	0	4,259	5,099	6	6	20	27
North Carolina	10,666	12,584	-15.0%	10,402	12,168	237	380	10	5	17	30
South Carolina	6,032	7,348	-18.0%	5,997	7,308	0	0	0	0	35	39
Virginia	4,558	5,579	-18.0%	4,209	5,098	303	414	NM	2	44	65
West Virginia	17,524	19,091	-8.2%	12,448	12,664	4,950	6,309	0	0	126	117
East South Central	47,104	53,265	-12.0%	45,026	51,275	1,931	1,814	2	4	144	173
Alabama	12,471	14,501	-14.0%	12,448	14,470	0	0	0	0	23	31
Kentucky	21,752	22,958	-5.3%	21,752	22,958	0	0	0	0	0	0
Mississippi	3,166	4,313	-27.0%	1,234	2,499	1,931	1,814	0	0	0	0
Tennessee	9,715	11,493	-15.0%	9,592	11,348	0	0	2	4	121	141
West South Central	73,714	89,830	-18.0%	36,887	45,945	36,748	43,773	0	0	79	111
Arkansas	7,906	11,687	-32.0%	6,518	10,545	1,379	1,133	0	0	8	9
Louisiana	6,535	7,048	-7.3%	3,639	2,594	2,896	4,454	0	0	0	0
Oklahoma	9,543	11,237	-15.0%	8,920	10,473	552	662	0	0	70	102
Texas	49,731	59,858	-17.0%	17,809	22,334	31,921	37,524	0	0	0	0
Mountain	59,265	61,805	-4.1%	52,693	55,404	6,301	6,115	0	0	271	286
Arizona	11,574	13,090	-12.0%	11,574	13,090	0	0	0	0	0	0
Colorado	10,417	10,523	-1.0%	10,405	10,505	9	15	0	0	NM	3
Idaho	11	12	-5.4%	0	0	0	0	0	0	11	12
Montana	5,757	5,373	7.1%	NM	149	5,600	5,218	0	0	4	6
Nevada	785	2,265	-65.0%	523	1,820	262	445	0	0	0	0
New Mexico	6,784	6,975	-2.7%	6,784	6,975	0	0	0	0	0	0
Utah	8,682	8,531	1.8%	8,369	8,187	188	204	0	0	126	140
Wyoming	15,254	15,037	1.4%	14,885	14,678	242	233	0	0	127	126
Pacific Contiguous	1,732	3,175	-45.0%	371	823	1,315	2,310	0	0	46	41
California	54	174	-69.0%	0	0	NM	140	0	0	41	34
Oregon	371	823	-55.0%	371	823	0	0	0	0	0	0
Washington	1,307	2,177	-40.0%	0	0	1,302	2,171	0	0	5	7
Pacific Noncontiguous	667	700	-4.7%	127	108	485	525	46	54	NM	12
Alaska	295	280	5.3%	127	108	122	118	46	54	0	0
Hawaii	372	420	-11.0%	0	0	363	407	0	0	NM	12
U.S. Total	448,858	510,324	-12.0%	337,448	379,468	108,674	127,732	141	168	2,596	2,956

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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, July 2015 and July 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	130	60	117.0%	11	10	97	44	5	5	16	1
Connecticut	40	10	321.0%	NM	NM	39	8	NM	NM	NM	NM
Maine	39	4	941.0%	NM	NM	23	3	NM	NM	16	1
Massachusetts	39	36	8.9%	NM	NM	36	33	NM	NM	NM	NM
New Hampshire	NM	6	NM	5	6	NM	NM	NM	NM	NM	NM
Rhode Island	4	3	20.0%	NM	2	0	0	1	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	154	107	44.0%	44	21	98	75	7	NM	6	9
New Jersey	8	NM	NM	NM	NM	8	NM	NM	NM	NM	NM
New York	88	58	52.0%	44	20	36	30	6	NM	2	6
Pennsylvania	57	43	33.0%	NM	NM	53	40	NM	NM	NM	3
East North Central	101	90	13.0%	72	74	26	13	NM	NM	3	2
Illinois	8	11	-27.0%	4	4	4	6	NM	NM	0	0
Indiana	20	23	-12.0%	18	22	0	0	NM	NM	2	2
Michigan	23	17	37.0%	22	17	0	0	0	0	1	NM
Ohio	47	31	49.0%	25	24	21	7	NM	NM	NM	0
Wisconsin	3	8	-62.0%	3	8	NM	NM	NM	NM	NM	NM
West North Central	52	37	39.0%	51	36	NM	0	NM	NM	NM	NM
Iowa	12	3	238.0%	11	3	NM	0	NM	NM	NM	NM
Kansas	4	3	31.0%	4	3	0	0	0	0	0	0
Minnesota	4	5	-13.0%	4	5	NM	NM	NM	NM	NM	NM
Missouri	17	10	76.0%	17	10	NM	NM	NM	NM	0	0
Nebraska	9	11	-25.0%	9	11	0	0	0	0	0	0
North Dakota	5	3	49.0%	5	3	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	417	340	23.0%	339	286	58	37	NM	10	6	7
Delaware	4	6	-34.0%	NM	NM	4	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	55	92	-40.0%	53	90	NM	NM	0	0	NM	NM
Georgia	7	10	-34.0%	5	8	NM	NM	NM	NM	NM	NM
Maryland	60	25	143.0%	NM	4	42	11	NM	10	NM	NM
North Carolina	24	22	9.5%	22	20	NM	NM	NM	NM	NM	NM
South Carolina	NM	NM	NM	8	11	NM	NM	NM	NM	1	1
Virginia	231	158	46.0%	223	141	8	16	NM	NM	NM	NM
West Virginia	26	12	106.0%	24	12	1	0	0	0	0	0
East South Central	58	52	12.0%	53	48	NM	NM	NM	NM	NM	NM
Alabama	NM	NM	NM	7	4	NM	NM	0	0	NM	NM
Kentucky	19	30	-37.0%	19	30	0	0	0	0	0	0
Mississippi	2	NM	NM	2	NM	0	0	0	0	0	0
Tennessee	26	13	97.0%	26	13	0	0	NM	NM	NM	NM
West South Central	29	18	58.0%	16	9	NM	9	NM	NM	NM	NM
Arkansas	7	1	387.0%	4	1	1	0	0	0	1	0
Louisiana	4	6	-39.0%	3	2	1	5	0	0	0	0
Oklahoma	NM	NM	NM	1	1	0	0	NM	NM	NM	NM
Texas	NM	NM	NM	7	5	NM	4	NM	NM	NM	NM
Mountain	37	33	9.9%	33	25	3	8	NM	NM	NM	NM
Arizona	2	7	-77.0%	2	7	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	3	7	-55.0%	NM	NM	3	7	0	0	0	0
Nevada	3	3	4.8%	3	2	0	0	0	0	0	0
New Mexico	12	8	43.0%	12	8	0	NM	0	0	NM	NM
Utah	4	3	18.0%	4	3	NM	NM	0	0	NM	NM
Wyoming	11	3	240.0%	11	3	0	0	0	0	NM	NM
Pacific Contiguous	18	15	19.0%	8	8	NM	6	NM	NM	4	1
California	12	10	24.0%	6	6	NM	4	NM	NM	2	NM
Oregon	1	2	-25.0%	1	2	0	0	NM	NM	0	0
Washington	4	3	29.0%	NM	NM	NM	2	NM	NM	3	1
Pacific Noncontiguous	1,072	958	12.0%	932	826	120	115	NM	NM	19	16
Alaska	134	121	11.0%	125	112	0	0	NM	NM	9	8
Hawaii	938	837	12.0%	808	713	120	115	0	0	10	8
U.S. Total	2,068	1,710	21.0%	1,558	1,344	420	306	28	20	62	40

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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 July 2015 and July 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	3,270	3,462	-5.5%	308	483	2,780	2,800	111	138	72	41
Connecticut	709	833	-15.0%	NM	NM	695	808	NM	NM	NM	NM
Maine	862	475	81.0%	NM	NM	785	433	NM	NM	69	33
Massachusetts	1,250	1,549	-19.0%	84	227	1,122	1,258	NM	62	NM	NM
New Hampshire	275	441	-38.0%	194	205	67	220	NM	NM	NM	NM
Rhode Island	146	119	23.0%	14	14	110	82	21	23	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	4,202	5,208	-19.0%	1,329	1,533	2,755	3,557	NM	NM	74	73
New Jersey	448	756	-41.0%	NM	NM	443	744	NM	NM	NM	NM
New York	2,844	3,399	-16.0%	1,328	1,531	1,426	1,785	NM	NM	51	43
Pennsylvania	910	1,053	-14.0%	NM	NM	886	1,028	NM	NM	NM	NM
East North Central	727	1,007	-28.0%	575	702	129	282	NM	NM	20	20
Illinois	59	102	-41.0%	23	35	36	67	NM	NM	0	0
Indiana	195	182	7.2%	181	171	0	0	NM	NM	13	10
Michigan	144	163	-12.0%	139	157	0	0	1	1	3	4
Ohio	288	486	-41.0%	193	273	90	209	NM	NM	NM	NM
Wisconsin	42	75	-44.0%	39	67	2	7	NM	NM	1	1
West North Central	394	512	-23.0%	378	485	NM	24	NM	NM	2	2
Iowa	57	86	-33.0%	55	84	NM	NM	NM	NM	NM	NM
Kansas	67	65	2.8%	67	65	0	0	0	0	0	0
Minnesota	48	100	-51.0%	35	75	NM	22	NM	NM	1	2
Missouri	119	154	-23.0%	119	154	NM	NM	NM	NM	0	0
Nebraska	35	66	-47.0%	35	66	0	0	0	0	0	0
North Dakota	33	26	26.0%	33	26	0	0	NM	NM	NM	NM
South Dakota	34	15	127.0%	34	15	NM	NM	NM	NM	0	0
South Atlantic	4,464	5,445	-18.0%	3,198	3,620	945	1,484	243	268	78	73
Delaware	210	249	-16.0%	NM	NM	210	248	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	731	754	-3.2%	710	734	NM	NM	0	0	11	11
Georgia	226	260	-13.0%	118	174	84	60	NM	NM	23	25
Maryland	585	1,075	-46.0%	27	NM	316	777	241	265	NM	NM
North Carolina	640	706	-9.4%	582	641	40	51	NM	NM	17	14
South Carolina	348	457	-24.0%	309	412	NM	NM	NM	NM	19	14
Virginia	1,565	1,763	-11.0%	1,312	1,487	245	265	NM	NM	8	9
West Virginia	159	181	-12.0%	140	139	19	43	0	0	0	0
East South Central	460	582	-21.0%	399	528	27	23	NM	NM	33	31
Alabama	129	161	-20.0%	71	109	27	23	0	0	31	29
Kentucky	135	160	-16.0%	135	160	0	0	0	0	0	0
Mississippi	25	NM	NM	24	NM	0	0	0	0	1	0
Tennessee	171	242	-30.0%	170	241	0	0	NM	NM	NM	NM
West South Central	317	221	43.0%	181	102	125	108	NM	NM	10	10
Arkansas	65	23	187.0%	47	15	12	5	0	0	6	2
Louisiana	100	54	83.0%	80	NM	20	32	0	0	0	5
Oklahoma	NM	15	NM	6	14	0	0	NM	NM	NM	NM
Texas	145	129	12.0%	48	54	93	71	NM	NM	NM	NM
Mountain	270	280	-3.5%	242	249	28	30	NM	NM	NM	NM
Arizona	55	80	-31.0%	55	80	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	25	28	-11.0%	NM	NM	21	23	0	0	0	0
Nevada	19	16	20.0%	16	14	NM	2	0	0	0	0
New Mexico	92	78	17.0%	88	74	NM	NM	0	0	NM	NM
Utah	20	28	-30.0%	19	27	NM	NM	0	0	NM	NM
Wyoming	44	34	29.0%	44	34	0	0	0	0	NM	NM
Pacific Contiguous	152	95	60.0%	45	52	62	29	NM	NM	43	12
California	122	57	114.0%	36	34	55	19	NM	NM	31	NM
Oregon	NM	NM	NM	6	11	0	0	NM	NM	0	0
Washington	23	26	-12.0%	NM	NM	7	10	NM	NM	12	8
Pacific Noncontiguous	6,972	6,916	0.8%	6,019	5,926	806	833	8	6	139	152
Alaska	873	796	9.7%	820	745	0	0	3	3	51	48
Hawaii	6,098	6,120	-0.4%	5,200	5,181	806	833	5	3	88	103
U.S. Total	21,229	23,729	-11.0%	12,676	13,681	7,668	9,169	414	465	471	413

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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, July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	131	119	10.0%	82	68	44	45	0	0	5	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	49	30	61.0%	49	30	0	0	0	0	0	0
Michigan	32	38	-16.0%	30	35	0	2	0	0	NM	2
Ohio	44	43	1.1%	0	0	44	43	0	0	NM	0
Wisconsin	6	7	-16.0%	3	3	0	0	0	0	2	4
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	78	3	NM	76	0	0	0	0	0	2	3
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	76	0	--	76	0	0	0	0	0	0	0
Georgia	2	3	-19.0%	0	0	0	0	0	0	2	3
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	31	32	-3.3%	31	32	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	31	32	-3.3%	31	32	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	159	199	-20.0%	145	184	0	0	0	0	14	15
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	155	190	-19.0%	145	184	0	0	0	0	9	5
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	4	10	-56.0%	0	0	0	0	0	0	4	10
Mountain	15	7	114.0%	0	0	15	7	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	7	114.0%	0	0	15	7	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	421	366	15.0%	334	285	59	53	0	0	28	29

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Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 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	24	28	-12.0%	0	0	0	0	0	0	24	28
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	22	23	-5.0%	0	0	0	0	0	0	22	23
East North Central	740	752	-1.5%	409	421	299	291	0	0	33	40
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	180	187	-3.5%	180	187	0	0	0	0	0	0
Michigan	232	235	-1.4%	209	203	7	15	0	0	16	17
Ohio	293	277	5.8%	0	0	292	276	0	0	1	2
Wisconsin	35	53	-34.0%	19	31	0	0	0	0	16	21
West North Central	13	15	-13.0%	0	0	0	0	1	1	12	14
Iowa	13	15	-13.0%	0	0	0	0	1	1	12	14
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	346	461	-25.0%	328	442	0	0	0	0	18	20
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	328	442	-26.0%	328	442	0	0	0	0	0	0
Georgia	18	20	-10.0%	0	0	0	0	0	0	18	20
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	245	206	18.0%	245	206	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	245	206	18.0%	245	206	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	962	1,153	-17.0%	871	1,011	0	0	0	0	91	141
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	914	1,072	-15.0%	871	1,011	0	0	0	0	43	61
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	48	81	-40.0%	0	0	0	0	0	0	48	81
Mountain	106	75	41.0%	0	0	106	75	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	106	75	41.0%	0	0	106	75	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	2,438	2,695	-9.5%	1,853	2,081	406	371	1	1	178	243

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 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, July 2015 and July 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	47,820	45,121	6.0%	720	945	45,402	41,762	726	738	971	1,677
Connecticut	12,286	12,027	2.2%	4	1	11,494	11,178	NM	286	NM	561
Maine	1,473	4,644	-68.0%	0	0	1,132	3,650	NM	NM	NM	966
Massachusetts	22,883	18,510	24.0%	645	738	21,750	17,279	356	355	NM	NM
New Hampshire	4,242	4,000	6.0%	71	203	4,140	3,768	NM	NM	NM	NM
Rhode Island	6,936	5,937	17.0%	0	0	6,886	5,886	NM	NM	0	0
Vermont	0	3	-87.0%	0	3	0	0	0	0	0	0
Middle Atlantic	130,880	120,156	8.9%	15,574	13,121	113,346	105,110	937	887	1,022	1,038
New Jersey	29,403	27,640	6.4%	NM	NM	28,836	27,088	NM	NM	NM	345
New York	53,773	51,347	4.7%	15,486	13,069	37,469	37,516	665	593	NM	169
Pennsylvania	47,704	41,169	16.0%	NM	NM	47,041	40,507	NM	NM	NM	524
East North Central	69,322	35,254	97.0%	30,020	13,082	36,839	20,356	1,090	900	1,373	916
Illinois	11,429	3,704	209.0%	1,302	384	9,428	2,637	433	416	NM	268
Indiana	10,415	5,615	85.0%	8,595	3,231	1,323	2,044	NM	NM	391	302
Michigan	15,978	5,314	201.0%	4,070	1,214	11,023	3,642	276	192	609	265
Ohio	20,537	16,226	27.0%	6,064	5,819	14,206	10,128	NM	NM	NM	NM
Wisconsin	10,962	4,395	149.0%	9,989	2,433	859	1,905	67	33	47	24
West North Central	23,233	10,309	125.0%	19,810	8,473	2,830	1,411	343	236	251	189
Iowa	3,207	984	226.0%	3,091	917	NM	0	NM	NM	NM	44
Kansas	3,732	2,326	60.0%	3,600	2,216	0	0	0	0	NM	111
Minnesota	7,394	1,952	279.0%	6,168	1,498	996	320	NM	114	NM	20
Missouri	6,469	3,914	65.0%	4,527	2,716	1,834	1,091	98	98	NM	NM
Nebraska	1,275	514	148.0%	1,275	514	0	0	0	NM	0	0
North Dakota	NM	NM	NM	60	1	0	0	0	0	NM	NM
South Dakota	1,089	613	78.0%	1,089	613	0	0	0	0	0	0
South Atlantic	238,173	192,843	24.0%	184,511	151,678	50,508	38,899	NM	523	2,655	1,743
Delaware	6,749	6,085	11.0%	NM	NM	5,596	5,452	0	0	1,082	599
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	111,991	105,821	5.8%	104,736	97,642	6,439	7,336	NM	NM	787	823
Georgia	40,320	28,868	40.0%	24,474	19,820	15,343	8,940	0	0	503	109
Maryland	6,931	3,424	102.0%	0	0	6,517	2,982	NM	NM	NM	NM
North Carolina	26,104	20,988	24.0%	21,954	14,365	4,066	6,569	5	0	NM	54
South Carolina	14,824	9,879	50.0%	13,097	8,549	1,700	1,306	NM	NM	NM	16
Virginia	29,021	17,091	70.0%	19,970	11,256	8,897	5,723	NM	NM	148	108
West Virginia	2,167	607	257.0%	208	12	1,951	591	0	0	NM	NM
East South Central	86,309	58,754	47.0%	51,258	30,179	33,669	26,236	NM	NM	1,240	2,201
Alabama	40,003	31,667	26.0%	10,718	8,405	28,469	22,589	0	0	815	673
Kentucky	3,629	1,454	150.0%	2,056	1,259	1,432	61	0	0	NM	135
Mississippi	34,850	20,777	68.0%	30,899	15,880	3,768	3,586	NM	NM	NM	1,301
Tennessee	7,827	4,856	61.0%	7,585	4,635	0	0	NM	NM	110	92
West South Central	285,333	231,976	23.0%	103,716	71,567	140,471	121,692	784	754	40,361	37,962
Arkansas	12,536	6,387	96.0%	4,989	1,349	7,415	4,922	NM	NM	131	115
Louisiana	55,401	43,073	29.0%	33,039	20,931	3,395	6,501	NM	NM	18,811	15,481
Oklahoma	30,518	21,237	44.0%	19,772	12,948	10,658	8,232	NM	NM	NM	37
Texas	186,878	161,278	16.0%	45,916	36,340	119,002	102,038	598	572	21,361	22,329
Mountain	83,279	79,638	4.6%	56,843	48,698	25,307	29,964	315	332	814	644
Arizona	34,016	32,150	5.8%	16,710	14,000	17,195	18,034	112	117	0	0
Colorado	9,751	10,102	-3.5%	7,495	5,788	2,246	4,307	0	0	NM	NM
Idaho	3,212	2,106	53.0%	2,097	1,414	1,077	677	0	0	38	14
Montana	1,081	547	98.0%	947	478	NM	NM	0	0	0	0
Nevada	20,810	19,956	4.3%	19,193	15,807	1,386	3,953	NM	NM	174	134
New Mexico	7,875	7,407	6.3%	5,263	5,133	2,538	2,199	NM	NM	0	0
Utah	6,122	7,140	-14.0%	5,067	6,052	NM	714	NM	NM	286	297
Wyoming	413	229	80.0%	NM	NM	NM	NM	0	0	305	191
Pacific Contiguous	111,780	98,905	13.0%	42,659	38,663	62,225	52,866	1,040	1,180	5,856	6,196
California	87,808	83,205	5.5%	27,327	28,059	53,721	47,853	960	1,133	5,800	6,161
Oregon	11,984	7,977	50.0%	4,925	3,708	6,950	4,214	NM	NM	38	12
Washington	11,988	7,723	55.0%	10,408	6,896	1,554	799	NM	NM	19	23
Pacific Noncontiguous	2,322	2,646	-12.0%	2,237	2,599	0	0	NM	NM	NM	NM
Alaska	2,322	2,646	-12.0%	2,237	2,599	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,078,451	875,603	23.0%	507,350	379,006	510,597	438,296	5,878	5,690	54,626	52,612

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

Table 2.10.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2015 and July 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	220,111	199,168	11.0%	2,052	2,072	207,628	184,042	4,462	4,485	5,969	8,569
Connecticut	69,473	60,859	14.0%	12	64	64,612	55,685	1,694	1,733	3,155	3,378
Maine	10,526	20,277	-48.0%	0	0	8,350	15,684	NM	NM	1,990	4,417
Massachusetts	87,131	77,246	13.0%	1,922	1,677	82,259	72,644	2,202	2,226	748	699
New Hampshire	24,440	16,268	50.0%	101	311	24,152	15,775	NM	NM	NM	NM
Rhode Island	28,525	24,499	16.0%	0	0	28,255	24,254	NM	244	0	0
Vermont	16	20	-18.0%	16	20	0	0	0	0	0	0
Middle Atlantic	654,847	590,094	11.0%	68,985	66,016	573,428	512,099	5,954	5,517	6,480	6,462
New Jersey	151,238	129,577	17.0%	NM	NM	147,877	126,243	NM	910	2,138	2,203
New York	263,100	252,963	4.0%	68,638	65,771	189,232	182,244	4,225	3,895	1,005	1,054
Pennsylvania	240,509	207,554	16.0%	NM	NM	236,319	203,612	NM	712	3,337	3,205
East North Central	394,353	260,718	51.0%	159,234	100,744	219,687	147,394	6,699	5,934	8,733	6,645
Illinois	47,395	24,409	94.0%	3,062	2,293	39,878	17,806	2,860	2,832	1,595	1,478
Indiana	74,869	44,341	69.0%	59,102	30,578	12,827	11,474	481	208	2,459	2,082
Michigan	87,455	58,917	48.0%	20,311	15,648	61,512	39,380	1,705	1,388	3,927	2,502
Ohio	126,538	101,534	25.0%	43,179	35,984	81,770	64,040	NM	1,196	368	314
Wisconsin	58,096	31,517	84.0%	33,580	16,241	23,700	14,695	431	310	385	271
West North Central	82,908	57,174	45.0%	70,550	48,006	8,708	6,257	2,009	1,579	1,641	1,332
Iowa	10,803	5,685	90.0%	10,057	5,085	NM	NM	267	209	478	391
Kansas	12,098	12,984	-6.8%	11,440	12,411	0	0	0	0	658	573
Minnesota	30,086	15,913	89.0%	25,472	12,221	2,966	2,445	1,286	978	363	268
Missouri	23,376	18,418	27.0%	17,125	14,175	5,742	3,811	455	391	NM	NM
Nebraska	2,784	2,516	11.0%	2,741	2,494	0	0	NM	NM	NM	NM
North Dakota	251	38	554.0%	206	1	0	0	0	0	45	38
South Dakota	3,510	1,619	117.0%	3,510	1,619	0	0	0	0	0	0
South Atlantic	1,312,117	1,069,416	23.0%	1,041,219	858,241	251,620	195,505	3,061	2,999	16,216	12,671
Delaware	34,060	26,931	26.0%	NM	NM	26,561	23,029	0	0	7,251	3,746
District of Columbia	NM	514	NM	0	0	0	0	NM	514	0	0
Florida	667,660	607,382	9.9%	622,363	564,813	39,838	36,975	NM	NM	5,331	5,481
Georgia	206,147	151,040	36.0%	134,890	110,522	69,305	39,031	0	0	1,952	1,487
Maryland	24,329	13,404	82.0%	0	0	21,801	10,932	2,349	2,305	180	167
North Carolina	157,342	115,901	36.0%	125,427	80,141	31,466	35,012	23	2	425	746
South Carolina	70,951	52,311	36.0%	62,819	46,014	7,969	6,103	NM	NM	116	149
Virginia	144,207	98,389	47.0%	94,476	54,802	48,799	42,686	NM	NM	907	880
West Virginia	6,930	3,544	96.0%	997	1,793	5,880	1,737	0	0	NM	NM
East South Central	499,470	371,678	34.0%	281,933	208,291	204,050	147,256	907	905	12,580	15,226
Alabama	234,723	187,742	25.0%	66,283	61,600	163,449	121,279	0	0	4,992	4,863
Kentucky	24,789	22,106	12.0%	20,154	19,752	3,726	1,454	0	0	909	900
Mississippi	197,014	134,218	47.0%	154,033	100,526	36,876	24,523	NM	NM	6,043	9,107
Tennessee	42,943	27,612	56.0%	41,462	26,412	0	0	NM	844	636	356
West South Central	1,515,423	1,294,281	17.0%	473,225	397,436	785,282	637,463	4,958	4,653	251,958	254,730
Arkansas	69,056	42,208	64.0%	18,900	8,382	48,874	32,840	NM	NM	1,275	979
Louisiana	303,508	272,119	12.0%	152,679	118,842	43,111	46,015	1,064	1,080	106,654	106,183
Oklahoma	147,665	122,813	20.0%	97,284	83,279	49,724	39,164	324	70	332	300
Texas	995,194	857,141	16.0%	204,362	186,932	643,572	519,445	3,563	3,496	143,697	147,268
Mountain	375,945	337,202	11.0%	251,433	209,407	117,731	120,381	1,922	2,314	4,859	5,100
Arizona	119,148	106,266	12.0%	57,634	47,410	60,822	58,048	692	807	0	0
Colorado	47,707	52,032	-8.3%	31,673	29,145	15,979	22,774	NM	37	NM	77
Idaho	13,522	8,777	54.0%	8,188	4,682	5,060	3,894	0	0	275	201
Montana	4,773	3,187	50.0%	4,172	2,776	NM	411	0	0	0	0
Nevada	113,180	87,777	29.0%	95,609	67,806	16,329	18,457	364	418	878	1,098
New Mexico	42,515	42,316	0.5%	25,699	27,480	16,409	14,301	407	529	0	NM
Utah	32,747	34,996	-6.4%	28,202	29,923	NM	2,413	459	524	1,682	2,136
Wyoming	2,353	1,850	27.0%	NM	NM	NM	NM	0	0	1,968	1,582
Pacific Contiguous	541,662	543,592	-0.4%	208,763	190,565	288,338	302,641	6,825	8,200	37,735	42,186
California	442,218	467,114	-5.3%	150,688	144,988	247,866	272,469	6,323	7,793	37,341	41,864
Oregon	56,603	40,623	39.0%	20,652	14,255	35,290	25,857	452	365	209	146
Washington	42,841	35,855	19.0%	37,424	31,322	5,182	4,316	50	41	185	176
Pacific Noncontiguous	17,140	17,981	-4.7%	16,629	17,594	0	0	NM	NM	NM	366
Alaska	17,140	17,981	-4.7%	16,629	17,594	0	0	NM	NM	NM	366
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	5,613,976	4,741,303	18.0%	2,574,022	2,098,371	2,656,473	2,253,038	36,827	36,607	346,654	353,287

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

Table 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, July 2015 and July 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	1,168	1,189	-1.7%	0	0	1,082	1,096	NM	NM	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	88	87	0.9%	0	0	88	87	0	0	0	0
Massachusetts	394	392	0.7%	0	0	394	392	0	0	0	0
New Hampshire	191	216	-12.0%	0	0	104	124	NM	NM	0	0
Rhode Island	375	375	0.1%	0	0	375	375	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	5,349	5,324	0.5%	0	0	5,250	5,187	NM	NM	NM	NM
New Jersey	1,012	1,005	0.7%	0	0	1,012	1,005	0	0	0	0
New York	1,830	1,818	0.7%	0	0	1,830	1,818	0	0	0	0
Pennsylvania	2,506	2,501	0.2%	0	0	2,407	2,364	NM	NM	NM	NM
East North Central	6,771	6,993	-3.2%	856	848	5,914	6,122	1	NM	0	NM
Illinois	1,492	1,696	-12.0%	0	0	1,492	1,696	0	0	0	0
Indiana	809	822	-1.5%	809	804	0	0	0	0	0	NM
Michigan	2,163	2,151	0.5%	0	0	2,163	2,151	0	0	0	0
Ohio	1,121	1,111	0.8%	NM	NM	1,092	1,084	0	0	0	0
Wisconsin	1,185	1,213	-2.3%	NM	NM	1,166	1,192	1	NM	0	0
West North Central	1,086	1,075	1.0%	344	338	743	737	0	0	0	0
Iowa	221	219	0.9%	0	0	221	219	0	0	0	0
Kansas	179	178	0.6%	0	0	179	178	0	0	0	0
Minnesota	391	387	1.0%	95	93	297	294	0	0	0	0
Missouri	165	162	1.9%	119	117	NM	NM	0	0	0	0
Nebraska	130	129	0.6%	130	129	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	4,163	4,275	-2.6%	592	553	3,167	3,186	NM	277	241	259
Delaware	137	134	2.0%	0	0	137	134	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	720	720	0.0%	204	170	515	550	0	0	0	0
Georgia	331	350	-5.5%	0	0	253	251	NM	NM	NM	NM
Maryland	310	356	-13.0%	0	0	200	198	NM	158	0	0
North Carolina	797	842	-5.4%	0	0	786	781	NM	NM	0	0
South Carolina	604	605	-0.1%	377	373	NM	NM	0	0	NM	198
Virginia	1,254	1,257	-0.3%	NM	NM	1,230	1,226	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	490	486	0.8%	260	258	230	228	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	260	258	0.7%	260	258	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	180	178	0.9%	0	0	180	178	0	0	0	0
West South Central	1,542	1,668	-7.5%	0	0	1,514	1,619	NM	NM	0	0
Arkansas	160	159	0.6%	0	0	160	159	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	1,382	1,509	-8.4%	0	0	1,354	1,460	NM	NM	0	0
Mountain	567	563	0.7%	115	114	452	449	0	0	0	0
Arizona	181	180	0.7%	89	88	93	92	0	0	0	0
Colorado	119	118	0.6%	0	0	119	118	0	0	0	0
Idaho	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	138	137	0.7%	0	0	138	137	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,378	5,695	-5.6%	779	805	3,147	3,161	1,452	1,729	0	0
California	4,411	4,732	-6.8%	232	261	2,760	2,783	1,419	1,689	0	0
Oregon	512	511	0.2%	137	136	341	334	NM	NM	0	0
Washington	455	452	0.6%	410	408	NM	NM	0	0	0	0
Pacific Noncontiguous	4	NM	NM	0	0	0	0	4	NM	0	0
Alaska	4	NM	NM	0	0	0	0	4	NM	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	26,519	27,329	-3.0%	2,945	2,917	21,498	21,786	1,742	2,228	334	398

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

Table 2.11.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2015 and July 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	7,809	7,770	0.5%	0	0	7,228	7,145	581	624	0	0
Connecticut	393	401	-1.8%	0	0	393	401	0	0	0	0
Maine	566	576	-1.7%	0	0	566	576	0	0	0	0
Massachusetts	2,559	2,611	-2.0%	0	0	2,559	2,611	0	0	0	0
New Hampshire	1,337	1,429	-6.4%	0	0	756	805	581	624	0	0
Rhode Island	2,566	2,357	8.8%	0	0	2,566	2,357	0	0	0	0
Vermont	387	396	-2.2%	0	0	387	396	0	0	0	0
Middle Atlantic	35,391	35,526	-0.4%	0	0	34,478	34,536	NM	143	776	847
New Jersey	6,524	6,644	-1.8%	0	0	6,524	6,644	0	0	0	0
New York	11,880	12,122	-2.0%	0	0	11,880	12,122	0	0	0	0
Pennsylvania	16,987	16,760	1.4%	0	0	16,074	15,770	NM	143	776	847
East North Central	45,245	46,835	-3.4%	5,525	5,627	39,487	40,970	NM	36	194	203
Illinois	10,409	11,228	-7.3%	0	0	10,409	11,228	0	0	0	0
Indiana	5,445	5,559	-2.1%	5,250	5,356	0	0	0	0	194	203
Michigan	14,105	14,412	-2.1%	0	0	14,105	14,412	0	0	0	0
Ohio	7,254	7,394	-1.9%	172	170	7,082	7,223	0	0	0	0
Wisconsin	8,033	8,243	-2.5%	103	100	7,892	8,107	NM	36	0	0
West North Central	6,962	7,069	-1.5%	2,147	2,159	4,816	4,910	0	0	0	0
Iowa	1,423	1,446	-1.6%	0	0	1,423	1,446	0	0	0	0
Kansas	1,171	1,197	-2.2%	0	0	1,171	1,197	0	0	0	0
Minnesota	2,505	2,543	-1.5%	580	579	1,924	1,964	0	0	0	0
Missouri	1,016	1,016	0.1%	719	712	297	303	0	0	0	0
Nebraska	848	867	-2.3%	848	867	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	27,898	28,496	-2.1%	3,693	3,668	20,337	20,833	1,986	2,114	1,882	1,882
Delaware	878	896	-2.0%	0	0	878	896	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,573	4,691	-2.5%	1,218	1,157	3,355	3,533	0	0	0	0
Georgia	2,392	2,432	-1.7%	0	0	1,641	1,674	290	293	460	465
Maryland	2,270	2,385	-4.8%	0	0	1,280	1,299	990	1,086	0	0
North Carolina	5,620	5,756	-2.4%	0	0	5,073	5,182	547	574	0	0
South Carolina	4,046	4,078	-0.8%	2,407	2,441	218	220	0	0	1,422	1,417
Virginia	8,056	8,196	-1.7%	NM	NM	7,828	7,965	NM	162	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	3,176	3,239	-1.9%	1,689	1,725	1,487	1,514	0	0	0	0
Alabama	163	166	-1.9%	0	0	163	166	0	0	0	0
Kentucky	1,689	1,725	-2.1%	1,689	1,725	0	0	0	0	0	0
Mississippi	165	168	-2.0%	0	0	165	168	0	0	0	0
Tennessee	1,160	1,181	-1.8%	0	0	1,160	1,181	0	0	0	0
West South Central	10,608	11,162	-5.0%	0	0	10,218	10,757	390	405	0	0
Arkansas	1,045	1,068	-2.1%	0	0	1,045	1,068	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	9,563	10,094	-5.3%	0	0	9,173	9,689	390	405	0	0
Mountain	3,678	3,752	-2.0%	742	756	2,935	2,997	0	0	0	0
Arizona	1,178	1,202	-2.0%	578	591	600	611	0	0	0	0
Colorado	777	794	-2.2%	0	0	777	794	0	0	0	0
Idaho	460	467	-1.4%	164	165	297	302	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	365	373	-2.1%	0	0	365	373	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	898	917	-2.1%	0	0	898	917	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	37,936	38,944	-2.6%	5,242	5,505	20,849	20,906	11,846	12,533	0	0
California	31,573	32,457	-2.7%	1,672	1,856	18,362	18,378	11,539	12,223	0	0
Oregon	3,398	3,457	-1.7%	889	907	2,202	2,241	307	310	0	0
Washington	2,966	3,030	-2.1%	2,681	2,743	285	287	0	0	0	0
Pacific Noncontiguous	563	593	-5.1%	0	0	0	0	563	593	0	0
Alaska	563	593	-5.1%	0	0	0	0	563	593	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	179,267	183,387	-2.2%	19,038	19,439	141,836	144,567	15,541	16,448	2,853	2,933

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

Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	314	323	-2.7%	0	0	300	303	15	21	0	0
Connecticut	110	116	-4.9%	0	0	110	110	0	NM	0	0
Maine	23	23	-0.3%	0	0	8	9	15	15	0	0
Massachusetts	169	172	-1.7%	0	0	169	172	0	0	0	0
New Hampshire	12	12	-1.7%	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	455	449	1.3%	0	0	366	358	89	91	0	0
New Jersey	118	120	-1.6%	0	0	87	88	31	32	0	0
New York	165	162	1.6%	0	0	132	128	33	34	0	0
Pennsylvania	172	166	3.2%	0	0	148	142	24	25	0	0
East North Central	24	23	3.5%	4	3	0	0	20	20	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-3.3%	0	0	0	0	1	1	0	0
Michigan	19	19	2.1%	0	0	0	0	19	19	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	4	3	13.0%	4	3	0	0	0	0	0	0
West North Central	60	59	1.9%	42	41	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	60	59	1.9%	42	41	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	495	453	9.3%	58	0	405	422	32	31	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	342	286	20.0%	58	0	284	286	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	73	73	0.4%	0	0	73	73	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	80	94	-15.0%	0	0	48	63	32	31	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	22.0%	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	22.0%	0	0	0	0	0	0	0	0
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	67	67	-0.2%	0	0	67	67	0	0	0	0
California	46	46	0.5%	0	0	46	46	0	0	0	0
Oregon	8	8	-1.6%	0	0	8	8	0	0	0	0
Washington	13	13	-1.5%	0	0	13	13	0	0	0	0
Pacific Noncontiguous	37	34	9.0%	0	0	0	0	37	34	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	37	34	9.0%	0	0	0	0	37	34	0	0
U.S. Total	1,453	1,409	3.1%	104	44	1,154	1,166	194	198	0	0

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

Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2015 and July 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	2,069	2,180	-5.1%	0	0	1,947	2,043	121	137	0	0
Connecticut	716	798	-10.0%	0	0	693	760	22	39	0	0
Maine	153	155	-1.1%	0	0	55	56	99	99	0	0
Massachusetts	1,123	1,147	-2.1%	0	0	1,123	1,147	0	0	0	0
New Hampshire	77	79	-3.4%	0	0	77	79	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	2,875	2,851	0.8%	0	0	2,285	2,267	590	584	0	0
New Jersey	734	765	-4.1%	0	0	531	570	203	196	0	0
New York	1,064	1,052	1.1%	0	0	833	821	231	231	0	0
Pennsylvania	1,077	1,034	4.2%	0	0	921	876	156	158	0	0
East North Central	141	132	7.2%	22	20	0	0	119	111	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	5	6	-4.3%	0	0	0	0	5	6	0	0
Michigan	113	106	7.3%	0	0	0	0	113	106	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	22	20	9.7%	22	20	0	0	0	0	0	0
West North Central	351	358	-1.9%	236	241	104	107	12	11	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	351	358	-1.9%	236	241	104	107	12	11	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	2,883	2,957	-2.5%	58	0	2,618	2,745	208	212	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	1,869	1,899	-1.6%	58	0	1,811	1,899	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	461	462	-0.4%	0	0	460	462	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	554	595	-7.0%	0	0	346	384	207	212	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	5	4	27.0%	0	0	0	0	0	0	5	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	5	4	27.0%	0	0	0	0	0	0	5	4
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	1	1	-3.5%	0	0	1	1	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	1	1	-3.5%	0	0	1	1	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	413	435	-5.0%	0	0	413	435	0	0	0	0
California	279	297	-5.8%	0	0	279	297	0	0	0	0
Oregon	50	52	-3.3%	0	0	50	52	0	0	0	0
Washington	84	87	-3.1%	0	0	84	87	0	0	0	0
Pacific Noncontiguous	220	223	-1.2%	0	0	0	0	220	223	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	220	223	-1.2%	0	0	0	0	220	223	0	0
U.S. Total	8,959	9,140	-2.0%	316	261	7,368	7,597	1,270	1,279	5	4

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

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2005 - July 2015

	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									
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	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
2014	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
Year 2013, End of Month Stocks									
January	178,859	31,314	442	145,550	23,442	358	33,309	7,872	84
February	175,565	31,205	442	144,081	23,182	362	31,484	8,023	81
March	171,736	32,199	407	141,891	23,917	323	29,845	8,281	84
April	173,014	31,569	456	143,082	23,399	387	29,933	8,169	69
May	177,174	31,494	443	144,824	23,305	348	32,350	8,189	96
June	171,124	31,313	408	139,705	23,148	303	31,418	8,165	105
July	160,019	30,804	394	131,967	22,770	279	28,053	8,034	115
August	154,567	31,436	260	127,153	23,070	183	27,414	8,366	77
Sept	152,694	31,428	309	125,579	22,618	191	27,115	8,811	118
October	154,194	31,771	291	125,616	22,696	214	28,578	9,075	77
November	156,249	32,620	338	126,611	22,827	250	29,638	9,793	88
December	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
Year 2014, End of Month Stocks									
January	133,647	27,141	298	107,614	20,386	216	26,033	6,756	82
February	119,885	28,477	276	96,427	20,573	202	23,458	7,904	74
March	118,305	28,338	349	95,065	20,831	282	23,241	7,506	67
April	128,883	28,596	514	102,826	20,971	451	26,057	7,625	63
May	136,474	28,233	457	107,267	20,687	374	29,207	7,545	83
June	132,879	28,470	410	103,168	20,707	356	29,711	7,763	54
July	125,240	27,813	381	97,031	20,080	300	28,209	7,734	81
August	120,709	27,900	388	92,607	20,192	289	28,103	7,708	99
Sept	123,814	28,176	389	95,465	20,180	297	28,349	7,995	92
October	135,709	29,148	510	104,699	20,515	394	31,010	8,633	116
November	141,309	30,857	640	109,757	20,759	510	31,552	10,098	130
December	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
Year 2015, End of Month Stocks									
January	155,115	31,575	924	119,871	21,098	774	35,244	10,477	150
February	150,322	27,287	897	116,664	19,197	770	33,658	8,091	127
March	155,564	28,339	818	121,759	19,969	698	33,805	8,371	120
April	168,192	28,310	912	131,327	19,931	776	36,866	8,380	136
May	174,558	28,758	999	136,288	20,136	856	38,270	8,622	143
June	167,828	28,753	1,031	132,337	20,115	883	35,491	8,638	149
July	160,206	28,438	1,065	125,732	19,808	909	34,474	8,630	156

Notes: See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:
Electric Power Sector, by State, July 2015 and 2014

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	July 2015	July 2014	Percentage Change	July 2015	July 2014	Percentage Change	July 2015	July 2014	Percentage Change
New England	1,392	W	W	3,240	2,509	29.1%	0	0	--
Connecticut	W	W	W	1,170	873	34.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,211	1,032	17.3%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	W	W	W	W	W	0	0	--
Vermont	0	0	--	26	34	-22.3%	0	0	--
Middle Atlantic	7,591	5,859	29.6%	4,637	4,101	13.0%	W	W	W
New Jersey	942	855	10.2%	698	575	21.4%	0	0	--
New York	483	637	-24.1%	2,763	2,633	4.9%	0	0	--
Pennsylvania	6,166	4,368	41.2%	1,176	893	31.6%	W	W	W
East North Central	33,915	26,086	30.0%	1,100	1,209	-9.0%	151	105	44.0%
Illinois	7,686	6,807	12.9%	89	95	-6.7%	0	0	--
Indiana	10,021	7,250	38.2%	113	191	-40.7%	0	0	--
Michigan	6,710	4,688	43.1%	317	372	-14.8%	W	W	W
Ohio	5,442	4,862	11.9%	350	324	8.1%	W	W	W
Wisconsin	4,056	2,479	63.6%	231	227	1.7%	W	W	W
West North Central	25,017	19,475	28.5%	998	1,016	-1.8%	0	0	--
Iowa	4,660	4,815	-3.2%	141	159	-11.3%	0	0	--
Kansas	3,518	2,870	22.6%	108	117	-7.7%	0	0	--
Minnesota	4,235	1,826	131.9%	122	137	-10.4%	0	0	--
Missouri	8,096	5,472	48.0%	380	270	40.9%	0	0	--
Nebraska	W	2,658	W	180	226	-20.4%	0	0	--
North Dakota	1,795	W	W	41	41	-1.2%	0	0	--
South Dakota	W	W	W	26	67	-60.8%	0	0	--
South Atlantic	28,604	23,735	20.5%	11,187	11,608	-3.6%	W	W	W
Delaware	W	W	W	200	248	-19.3%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	6,074	W	W	5,517	5,819	-5.2%	163	W	W
Georgia	4,788	4,594	4.2%	863	885	-2.5%	0	0	--
Maryland	1,346	1,094	23.1%	667	682	-2.1%	0	0	--
North Carolina	W	W	W	1,138	1,151	-1.1%	0	0	--
South Carolina	4,995	3,358	48.7%	686	612	12.2%	0	0	--
Virginia	1,827	1,653	10.5%	1,994	2,071	-3.8%	0	0	--
West Virginia	3,345	4,531	-26.2%	123	140	-12.4%	W	W	W
East South Central	15,747	13,623	15.6%	2,009	1,911	5.1%	W	W	W
Alabama	4,076	3,739	9.0%	399	272	46.4%	0	0	--
Kentucky	7,337	6,301	16.4%	259	253	2.2%	W	W	W
Mississippi	1,337	668	100.2%	582	582	0.1%	0	0	--
Tennessee	2,997	2,916	2.8%	769	803	-4.2%	0	0	--
West South Central	25,419	17,883	42.1%	1,963	1,948	0.7%	W	W	W
Arkansas	3,493	2,116	65.0%	W	W	W	0	0	--
Louisiana	3,398	2,987	13.8%	448	473	-5.3%	W	W	W
Oklahoma	4,206	2,281	84.4%	W	W	W	0	0	--
Texas	14,322	10,499	36.4%	1,243	1,184	5.0%	0	0	--
Mountain	20,219	15,147	33.5%	620	827	-25.0%	W	W	W
Arizona	3,741	2,519	48.5%	138	150	-7.9%	0	0	--
Colorado	5,628	3,059	84.0%	223	233	-4.4%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	12	W	W	W	W
Nevada	1,186	799	48.6%	W	178	W	0	0	--
New Mexico	W	W	W	W	W	W	0	0	--
Utah	3,647	3,754	-2.8%	W	W	W	0	0	--
Wyoming	3,761	3,067	22.6%	33	35	-6.5%	0	0	--
Pacific Contiguous	W	W	W	338	332	1.7%	0	W	W
California	0	W	W	W	164	W	0	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	97	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,346	2,351	-0.2%	0	0	--
Alaska	W	0	W	24	94	-74.1%	0	0	--
Hawaii	W	W	W	2,322	2,257	2.9%	0	0	--
U.S. Total	160,206	125,240	27.9%	28,438	27,813	2.2%	1,065	381	179.5%

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

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, July 2015 and 2014

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**July 2015**	**July 2014**	**Percentage Change**	**July 2015**	**July 2014**	**July 2015**	**July 2014**
Coal (Thousand Tons)							
New England	1,392	W	W	W	W	W	W
Middle Atlantic	7,591	5,859	29.6%	0	0	7,591	5,859
East North Central	33,915	26,086	30.0%	23,653	18,771	10,262	7,315
West North Central	25,017	19,475	28.5%	25,017	19,475	0	0
South Atlantic	28,604	23,735	20.5%	25,339	20,173	3,265	3,562
East South Central	15,747	13,623	15.6%	15,747	W	0	W
West South Central	25,419	17,883	42.1%	15,564	9,763	9,855	8,120
Mountain	20,219	15,147	33.5%	18,833	13,937	1,386	1,210
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	0	W	W
U.S. Total	**160,206**	**125,240**	**27.9%**	**125,732**	**97,031**	**34,474**	**28,209**
Petroleum Liquids (Thousand Barrels)							
New England	3,240	2,509	29.1%	646	W	2,594	W
Middle Atlantic	4,637	4,101	13.0%	1,699	1,412	2,938	2,689
East North Central	1,100	1,209	-9.0%	803	988	297	221
West North Central	998	1,016	-1.8%	973	991	25	26
South Atlantic	11,187	11,608	-3.6%	9,307	9,668	1,880	1,940
East South Central	2,009	1,911	5.1%	W	W	W	W
West South Central	1,963	1,948	0.7%	1,421	1,448	541	501
Mountain	620	827	-25.0%	592	794	29	33
Pacific Contiguous	338	332	1.7%	W	243	W	89
Pacific Noncontiguous	2,346	2,351	-0.2%	W	W	W	W
U.S. Total	**28,438**	**27,813**	**2.2%**	**19,808**	**20,080**	**8,630**	**7,734**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	151	105	44.0%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	163	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	0	0
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	**1,065**	**381**	**179.5%**	**909**	**W**	**156**	**W**

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

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2005 - July 2015

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	73,113	69,720	5,051	147,884
2014	72,580	72,699	6,083	151,362
Year 2013, End of Month Stocks				
January	83,501	90,693	4,664	178,859
February	81,835	89,227	4,504	175,565
March	80,528	86,416	4,792	171,736
April	82,756	85,182	5,076	173,014
May	84,487	86,439	6,248	177,174
June	82,016	82,922	6,186	171,124
July	75,887	78,372	5,760	160,019
August	73,002	75,970	5,595	154,567
Sept	72,121	75,001	5,571	152,694
October	74,079	74,620	5,496	154,194
November	75,232	75,683	5,334	156,249
December	73,113	69,720	5,051	147,884
Year 2014, End of Month Stocks				
January	63,026	65,238	5,382	133,647
February	55,476	58,960	5,449	119,885
March	54,643	58,201	5,462	118,305
April	59,931	62,873	6,079	128,883
May	63,227	66,882	6,365	136,474
June	62,063	64,339	6,477	132,879
July	59,524	59,438	6,278	125,240
August	59,489	54,719	6,501	120,709
Sept	62,310	55,377	6,127	123,814
October	68,285	61,269	6,155	135,709
November	69,703	65,965	5,641	141,309
December	72,580	72,699	6,083	151,362
Year 2015, End of Month Stocks				
January	70,361	79,167	5,587	155,115
February	64,699	80,337	5,286	150,322
March	65,743	84,785	5,036	155,564
April	71,204	91,696	5,292	168,192
May	75,089	94,257	5,212	174,558
June	73,943	89,053	4,832	167,828
July	69,312	86,084	4,811	160,206

Notes: See Glossary for definitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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), 2005 - July 2015

	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												
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	15,906,809	823,222	2.34	45.33	1.29	93.7	123,964	20,413	20.56	124.90	0.46	76.5
2014	16,295,085	836,196	2.37	46.11	1.32	95.8	171,500	28,355	19.88	120.32	0.46	78.0
Year 2013												
January	1,342,301	69,783	2.34	45.09	1.27	90.9	10,766	1,787	21.00	126.64	0.50	52.0
February	1,229,209	63,662	2.34	45.28	1.34	92.7	10,780	1,756	21.02	129.19	0.46	79.8
March	1,291,446	66,546	2.35	45.68	1.34	92.3	14,263	2,321	20.15	123.86	0.46	123.8
April	1,229,373	62,822	2.37	46.51	1.36	100.9	6,131	1,025	21.53	128.84	0.52	53.1
May	1,328,111	68,190	2.37	46.23	1.31	103.1	8,658	1,428	20.70	125.53	0.50	70.1
June	1,319,801	68,294	2.36	45.62	1.26	89.3	7,007	1,170	20.96	125.57	0.50	60.6
July	1,392,487	72,998	2.31	44.14	1.19	86.1	10,748	1,782	20.51	123.69	0.48	64.4
August	1,465,659	76,277	2.33	44.76	1.26	91.4	11,993	1,962	19.70	120.41	0.44	98.8
Sept	1,359,392	70,489	2.35	45.29	1.29	95.1	9,904	1,630	20.17	122.66	0.38	90.9
October	1,318,098	67,874	2.34	45.49	1.33	100.1	10,145	1,675	20.86	126.37	0.43	92.5
November	1,311,392	67,740	2.33	45.11	1.29	100.3	12,818	2,105	20.10	122.51	0.46	111.3
December	1,319,540	68,548	2.34	45.06	1.29	86.8	10,751	1,775	20.95	126.83	0.45	58.5
Year 2014												
January	1,295,172	67,779	2.30	43.90	1.26	79.4	26,893	4,499	21.87	130.83	0.43	38.3
February	1,195,094	61,440	2.33	45.27	1.35	78.9	26,044	4,286	21.60	131.47	0.44	118.5
March	1,374,906	69,853	2.37	46.61	1.35	94.4	15,155	2,507	21.94	132.70	0.44	61.3
April	1,316,053	66,626	2.39	47.21	1.34	111.7	8,946	1,480	21.71	131.19	0.41	86.0
May	1,359,265	69,106	2.40	47.17	1.38	105.5	8,613	1,430	21.19	127.61	0.46	76.2
June	1,342,560	68,561	2.38	46.61	1.36	90.4	9,308	1,541	21.41	129.32	0.45	86.1
July	1,404,470	72,363	2.37	46.03	1.28	87.1	8,413	1,392	21.29	128.63	0.50	70.9
August	1,460,347	74,999	2.37	46.10	1.33	90.8	9,143	1,503	20.63	125.49	0.51	72.3
Sept	1,377,308	70,587	2.37	46.25	1.34	99.9	10,201	1,683	19.67	119.52	0.51	89.4
October	1,390,364	71,389	2.30	44.86	1.30	113.8	12,820	2,128	18.49	111.48	0.48	122.3
November	1,347,066	69,471	2.30	44.61	1.30	105.1	17,738	2,951	16.52	99.39	0.43	150.8
December	1,432,479	74,020	2.51	48.54	1.30	106.9	18,225	2,955	13.91	85.81	0.48	155.2
Year 2015												
January	1,405,183	72,721	2.28	44.12	1.30	99.5	13,249	2,190	12.76	77.20	0.57	55.2
February	1,170,120	60,606	2.26	43.63	1.32	88.4	20,190	3,319	12.47	75.96	0.51	33.7
March	1,218,280	62,520	2.25	43.95	1.29	104.3	15,791	2,608	W	W	0.70	121.5
April	1,165,784	60,030	2.25	43.68	1.33	120.0	9,163	1,522	13.18	79.56	0.43	84.3
May	1,209,860	61,862	2.26	44.25	1.35	105.5	11,086	1,828	12.56	76.29	0.45	90.3
June	1,182,749	60,873	2.25	43.72	1.37	86.3	9,721	1,606	13.55	82.07	0.49	78.8
July	1,279,175	66,756	2.21	42.34	1.26	85.9	8,778	1,450	12.58	76.23	0.48	61.9
Year to Date												
2013	9,132,728	472,294	2.35	45.48	1.29	93.1	68,353	11,267	20.75	125.93	0.48	69.7
2014	9,287,521	475,730	2.36	46.13	1.33	91.3	103,373	17,136	21.65	130.70	0.45	63.9
2015	8,631,151	445,368	2.25	43.67	1.31	97.1	87,979	14,523	12.75	77.32	0.53	60.1
Rolling 12 Months Ending in July												
2014	16,061,602	826,658	2.35	45.71	1.31	92.5	158,984	26,282	21.19	128.25	0.44	70.4
2015	15,638,716	805,834	2.31	44.75	1.32	99.5	156,106	25,742	W	W	0.51	76.3

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

Notes:
Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - July 2015 (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												
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	132,474	4,660	2.18	61.95	5.41	73.5	8,721,114	8,503,424	4.33	4.44	89.7	3.09
2014	144,694	5,091	1.96	55.81	5.55	87.5	8,671,674	8,423,883	5.00	5.14	89.8	3.32
Year 2013												
January	10,103	355	2.04	58.21	5.61	68.1	676,695	660,645	4.38	4.49	89.1	3.08
February	9,754	343	2.09	59.50	5.40	82.5	607,094	592,786	4.39	4.50	88.9	3.09
March	8,239	290	2.08	59.25	5.47	58.8	649,452	633,519	4.30	4.40	89.2	3.09
April	11,240	396	2.28	64.98	5.35	86.8	609,479	594,620	4.67	4.79	89.3	3.15
May	11,758	412	2.34	66.64	5.37	68.8	665,433	648,152	4.62	4.75	90.4	3.15
June	11,528	407	2.42	68.49	5.07	67.1	782,722	762,845	4.42	4.54	90.6	3.14
July	12,215	428	2.29	65.47	5.44	69.6	949,493	924,645	4.20	4.31	90.0	3.11
August	10,902	381	2.25	64.57	5.38	58.3	940,629	917,829	3.91	4.00	90.4	2.99
Sept	12,370	433	2.17	61.88	5.36	77.7	794,084	774,415	4.08	4.18	90.3	3.02
October	12,201	432	2.13	60.26	5.37	82.8	683,580	666,361	4.11	4.21	89.8	2.99
November	9,653	339	1.91	54.26	5.43	84.7	647,943	631,751	4.19	4.30	89.3	3.01
December	12,511	444	2.02	57.05	5.66	89.4	714,509	695,857	4.91	5.04	88.7	3.26
Year 2014												
January	9,894	350	1.80	50.87	5.25	62.5	709,245	691,475	7.04	7.22	89.0	4.10
February	10,083	356	W	W	5.46	75.6	587,376	572,177	7.40	7.59	88.4	W
March	12,939	457	2.00	56.64	5.81	84.1	606,222	590,661	6.00	6.15	88.8	3.53
April	12,734	449	2.11	59.89	5.95	111.9	593,040	577,655	5.07	5.20	89.1	3.24
May	12,593	446	2.18	61.41	5.55	98.1	691,105	672,102	4.93	5.07	90.5	3.25
June	11,435	400	2.05	58.67	5.77	82.2	766,138	744,633	4.83	4.97	90.6	3.28
July	11,392	399	1.88	53.73	5.69	74.9	886,181	860,304	4.43	4.57	90.8	3.17
August	12,517	439	1.95	55.68	5.51	81.1	943,735	915,459	4.12	4.24	91.2	3.07
Sept	11,559	406	1.90	54.12	5.43	79.6	811,708	786,977	4.20	4.33	90.0	3.06
October	10,797	381	1.77	50.25	5.31	111.4	743,322	720,648	4.10	4.23	89.8	2.96
November	11,980	421	1.84	52.32	5.45	100.9	646,732	626,919	4.48	4.62	89.0	3.07
December	16,770	587	1.98	56.64	5.40	105.0	686,870	664,873	4.35	4.49	89.3	3.14
Year 2015												
January	13,724	484	2.03	57.48	5.23	93.8	754,341	730,694	4.10	4.23	88.7	2.92
February	9,660	338	1.79	51.07	5.30	64.0	688,731	666,976	4.68	4.83	89.2	3.19
March	9,506	338	2.03	57.09	5.17	84.5	752,489	728,542	3.54	3.66	88.7	W
April	11,059	392	1.99	56.16	5.01	98.0	715,158	691,566	3.10	3.20	90.2	2.59
May	11,883	419	2.05	58.07	5.24	93.9	781,559	755,597	3.14	3.25	90.0	2.64
June	9,380	330	1.89	53.88	5.57	84.2	930,466	898,716	3.11	3.22	90.5	2.65
July	12,797	451	1.93	54.69	5.08	87.8	1,089,089	1,052,415	3.11	3.22	90.8	2.63
Year to Date												
2013	74,837	2,632	2.23	63.66	5.38	71.0	4,940,369	4,817,211	4.41	4.52	89.7	3.12
2014	81,070	2,858	2.01	57.20	5.66	82.8	4,839,306	4,709,007	5.59	5.75	89.7	3.51
2015	78,010	2,751	1.96	55.66	5.22	86.1	5,711,832	5,524,506	3.49	3.61	89.8	2.77
Rolling 12 Months Ending in July												
2014	138,706	4,886	W	W	5.57	80.4	8,620,052	8,395,220	4.98	5.12	89.7	W
2015	141,634	4,985	1.93	54.95	5.31	89.6	9,544,200	9,239,381	3.79	3.91	89.9	W

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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.
Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - July 2015

	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												
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	11,595,328	592,772	2.38	46.51	1.23	92.9	78,101	12,814	21.09	128.57	0.43	76.2
2014	11,991,691	607,877	2.40	47.31	1.26	95.6	99,044	16,281	19.91	121.16	0.44	80.6
Year 2013												
January	966,431	49,719	2.37	46.15	1.18	89.3	7,473	1,239	21.08	127.15	0.41	68.5
February	899,054	45,989	2.38	46.62	1.26	93.8	6,220	1,009	21.34	131.57	0.40	78.9
March	948,352	48,339	2.37	46.58	1.27	92.9	9,929	1,608	20.43	126.13	0.45	120.6
April	904,409	45,784	2.41	47.65	1.28	100.5	3,831	638	21.99	131.94	0.45	47.8
May	958,782	48,775	2.40	47.27	1.23	100.9	6,010	987	20.90	127.33	0.47	69.5
June	965,951	49,292	2.39	46.90	1.21	88.0	4,713	786	21.31	127.71	0.43	59.5
July	1,031,429	53,206	2.34	45.37	1.16	86.7	7,153	1,184	20.82	125.77	0.44	68.4
August	1,071,201	54,959	2.37	46.16	1.21	89.5	8,382	1,353	19.78	122.55	0.45	96.5
Sept	974,613	49,808	2.38	46.62	1.22	93.8	4,882	795	21.67	132.98	0.34	68.0
October	956,973	48,754	2.37	46.45	1.27	98.7	6,139	1,011	21.98	133.43	0.40	81.1
November	958,575	49,043	2.36	46.21	1.22	98.8	6,313	1,037	21.61	131.57	0.41	79.5
December	959,557	49,103	2.37	46.32	1.23	86.5	7,055	1,166	21.58	130.56	0.43	79.2
Year 2014												
January	926,991	47,962	2.31	44.60	1.18	76.9	12,038	2,017	21.73	129.71	0.32	42.5
February	863,997	43,905	2.33	45.93	1.28	78.2	12,405	2,045	21.75	132.02	0.49	107.8
March	989,078	49,867	2.38	47.17	1.30	94.3	9,000	1,475	21.54	131.41	0.39	76.4
April	953,528	47,782	2.41	48.20	1.28	113.2	6,706	1,101	21.74	132.38	0.36	88.4
May	996,345	50,122	2.42	48.21	1.32	104.6	5,373	895	21.89	131.40	0.34	67.9
June	992,039	49,981	2.40	47.74	1.29	88.2	6,342	1,050	21.67	130.93	0.34	87.2
July	1,048,298	53,172	2.40	47.43	1.22	86.7	5,999	988	21.28	129.22	0.47	73.5
August	1,090,914	55,193	2.41	47.56	1.27	90.1	6,888	1,124	20.62	126.42	0.50	81.4
Sept	1,034,229	52,306	2.41	47.59	1.27	101.6	6,927	1,138	19.90	121.14	0.48	83.9
October	1,040,271	52,787	2.33	45.87	1.26	115.2	6,948	1,150	19.34	117.04	0.48	94.0
November	1,000,204	50,949	2.33	45.73	1.24	107.5	7,528	1,240	17.71	107.59	0.50	97.3
December	1,055,798	53,851	2.61	51.19	1.25	106.1	12,890	2,058	13.23	82.89	0.46	160.7
Year 2015												
January	1,047,181	53,698	2.30	44.93	1.25	101.7	8,876	1,461	11.83	71.88	0.57	68.7
February	880,402	45,136	2.26	44.08	1.27	90.5	8,693	1,422	11.74	71.78	0.47	38.3
March	932,468	47,654	2.25	44.08	1.23	108.3	10,204	1,675	12.14	73.97	0.52	131.9
April	891,906	45,572	2.28	44.61	1.27	121.3	6,628	1,091	13.28	80.65	0.39	85.7
May	927,255	47,094	2.29	45.07	1.26	107.2	7,317	1,192	12.36	75.86	0.46	91.7
June	908,109	46,253	2.26	44.45	1.29	88.9	7,578	1,248	13.69	83.14	0.46	87.3
July	962,976	49,925	2.24	43.13	1.14	87.3	6,304	1,033	12.49	76.20	0.40	66.3
Year to Date												
2013	6,674,409	341,105	2.38	46.62	1.23	92.7	45,330	7,451	21.01	127.80	0.44	72.8
2014	6,770,275	342,791	2.38	47.07	1.27	90.3	57,863	9,571	21.67	131.01	0.40	70.0
2015	6,550,298	335,332	2.27	44.34	1.24	99.4	55,600	9,123	12.44	75.86	0.47	72.0
Rolling 12 Months Ending in July												
2014	11,691,195	594,458	2.38	46.76	1.25	91.5	90,635	14,934	21.50	130.52	0.40	73.6
2015	11,771,714	600,418	2.34	45.78	1.25	101.1	96,780	15,832	14.57	89.09	0.48	82.5

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See Glossary for definitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - July 2015 (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												
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	2.11	60.30	5.34	101.6	3,939,408	3,851,241	4.49	4.59	97.0	2.99
2014	123,793	4,349	1.89	53.77	5.56	129.6	3,714,733	3,614,573	5.16	5.30	97.1	3.14
Year 2013												
January	6,816	237	1.97	56.67	5.52	93.7	308,726	302,282	4.35	4.44	97.5	2.95
February	7,272	254	2.05	58.54	5.32	115.4	276,355	270,729	4.29	4.38	97.3	2.92
March	5,449	190	2.00	57.27	5.37	80.5	292,291	285,901	4.44	4.54	97.4	2.99
April	8,309	291	2.23	63.79	5.23	133.8	267,830	262,122	4.88	4.99	97.6	3.03
May	8,610	301	2.28	65.22	5.28	83.5	298,278	291,130	4.84	4.96	98.4	3.06
June	8,302	291	2.36	67.19	4.88	83.7	360,943	352,719	4.65	4.75	97.1	3.06
July	9,006	314	2.25	64.47	5.35	93.2	427,831	417,585	4.38	4.48	96.6	3.01
August	7,910	274	2.15	62.01	5.24	82.6	436,060	426,576	4.15	4.24	96.3	2.97
Sept	10,687	373	2.09	59.92	5.32	114.6	360,603	352,812	4.35	4.44	96.7	2.97
October	9,457	333	2.06	58.58	5.37	114.9	309,544	302,556	4.40	4.50	96.9	2.95
November	7,486	262	1.87	53.23	5.41	120.6	281,343	274,910	4.44	4.55	96.6	2.92
December	9,784	343	1.93	54.95	5.75	125.9	319,604	311,919	4.93	5.05	96.3	3.10
Year 2014												
January	8,753	309	1.79	50.66	5.22	88.7	308,967	301,902	6.20	6.34	97.7	3.44
February	8,883	312	2.01	57.15	5.47	113.1	247,518	241,777	7.01	7.18	97.3	3.55
March	11,235	396	1.94	54.97	5.85	119.1	257,997	252,175	5.92	6.06	98.2	3.22
April	11,184	394	2.07	58.69	5.98	186.0	256,911	250,788	5.33	5.46	98.3	3.12
May	10,813	383	2.13	60.11	5.57	127.3	315,637	307,499	5.26	5.40	97.8	3.17
June	9,321	325	1.97	56.35	5.85	99.7	333,374	324,743	5.16	5.30	96.8	3.17
July	9,697	339	1.79	51.25	5.70	119.2	374,870	364,240	4.83	4.97	96.1	3.11
August	10,451	365	1.85	52.89	5.51	127.9	407,404	395,736	4.46	4.59	96.4	3.03
Sept	9,844	345	1.81	51.54	5.40	128.7	336,865	326,815	4.63	4.77	95.8	3.02
October	9,240	326	1.65	46.75	5.25	183.7	306,705	297,593	4.56	4.71	96.4	2.90
November	10,079	354	1.70	48.51	5.43	159.9	274,868	266,620	4.75	4.90	97.2	2.93
December	14,294	499	1.90	54.38	5.40	154.9	293,615	284,687	4.60	4.74	97.8	3.12
Year 2015												
January	11,509	404	1.94	55.36	5.21	134.7	324,270	314,575	4.25	4.38	96.2	2.81
February	8,617	301	1.72	49.17	5.31	94.8	300,921	291,795	4.56	4.70	94.8	2.90
March	7,949	283	1.95	54.67	5.16	144.7	325,884	315,745	3.77	3.89	94.2	2.71
April	8,845	313	1.95	55.11	4.92	148.6	318,786	308,799	3.48	3.59	97.0	2.65
May	10,125	357	1.98	56.26	5.21	136.5	347,672	336,511	3.52	3.64	96.6	2.67
June	7,485	262	1.73	49.60	5.62	111.4	421,853	407,777	3.48	3.60	94.9	2.70
July	11,256	395	1.86	52.91	5.04	118.3	499,194	481,794	3.46	3.59	95.0	2.69
Year to Date												
2013	53,763	1,878	2.18	62.39	5.27	95.2	2,232,254	2,182,468	4.54	4.64	97.3	3.00
2014	69,885	2,459	1.96	55.77	5.68	118.2	2,095,275	2,043,123	5.60	5.75	97.4	3.25
2015	65,786	2,313	1.88	53.51	5.20	124.8	2,538,581	2,456,996	3.74	3.87	95.5	2.73
Rolling 12 Months Ending in July												
2014	115,210	4,044	1.99	56.57	5.58	115.0	3,802,429	3,711,896	5.08	5.20	97.0	3.13
2015	119,695	4,203	1.84	52.45	5.29	134.4	4,158,038	4,028,446	4.07	4.21	95.9	2.85

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - July 2015

	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												
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	4,032,431	217,572	2.20	40.95	1.48	99.1	43,432	7,205	19.71	118.88	0.45	110.1
2014	4,096,609	219,181	2.24	41.84	1.49	101.8	70,520	11,760	19.88	119.39	0.45	99.0
Year 2013												
January	352,557	18,976	2.21	41.20	1.51	99.1	2,963	495	21.11	126.80	0.54	45.0
February	308,971	16,694	2.18	40.44	1.56	93.3	4,345	712	20.68	126.61	0.51	117.8
March	319,485	17,108	2.24	41.93	1.57	94.1	4,016	661	19.63	119.32	0.41	206.0
April	303,157	16,041	2.21	41.98	1.60	106.6	2,074	350	W	W	0.44	94.2
May	345,413	18,316	2.23	42.25	1.53	113.7	2,404	402	20.48	122.55	0.43	104.1
June	331,183	17,955	2.22	40.98	1.41	95.5	2,048	344	20.51	122.17	0.43	84.9
July	336,772	18,662	2.18	39.50	1.28	86.5	3,386	564	20.03	120.23	0.46	68.0
August	369,852	20,185	2.16	39.71	1.41	99.2	3,449	582	19.54	115.78	0.39	147.1
Sept	361,593	19,609	2.20	40.72	1.48	101.2	4,942	821	18.64	112.29	0.40	180.6
October	338,484	18,086	2.22	41.67	1.47	108.4	3,904	647	19.14	115.55	0.47	175.5
November	328,769	17,596	2.18	40.82	1.50	109.0	6,401	1,051	18.52	113.07	0.49	284.8
December	336,195	18,343	2.20	40.48	1.44	90.2	3,498	576	19.73	119.40	0.43	61.3
Year 2014												
January	350,905	19,050	2.24	41.28	1.46	90.9	14,545	2,432	22.04	132.11	0.46	42.4
February	314,645	16,810	2.27	42.55	1.53	84.6	13,366	2,197	21.48	131.02	0.39	185.0
March	366,874	19,151	2.31	44.21	1.49	100.2	6,040	1,013	22.58	134.67	0.52	62.3
April	345,380	18,077	2.28	43.56	1.48	114.8	2,123	360	21.86	128.91	0.48	122.7
May	346,525	18,254	2.29	43.49	1.55	114.9	3,114	515	20.13	121.81	0.52	150.3
June	334,501	17,873	2.28	42.65	1.53	101.6	2,781	462	21.06	126.86	0.51	133.8
July	338,433	18,407	2.23	40.92	1.45	92.1	2,293	385	21.58	128.67	0.50	95.1
August	351,259	19,006	2.20	40.73	1.49	96.8	2,146	361	W	W	0.49	79.2
Sept	326,150	17,536	2.21	41.14	1.55	100.2	3,143	523	19.18	115.94	0.50	161.2
October	332,719	17,836	2.18	40.69	1.41	116.9	5,736	956	17.56	105.37	0.44	278.5
November	329,754	17,767	2.18	40.50	1.46	104.4	10,062	1,687	15.60	93.15	0.38	403.0
December	359,464	19,414	2.18	40.43	1.44	116.3	5,171	870	15.56	92.53	0.53	217.9
Year 2015												
January	339,916	18,235	2.19	40.87	1.42	98.8	4,214	703	15.13	90.58	0.49	57.3
February	275,928	14,862	2.23	41.41	1.44	87.1	11,092	1,829	12.91	78.44	0.51	36.5
March	267,887	14,079	2.22	42.30	1.47	99.2	3,980	671	13.49	80.35	0.49	120.0
April	258,855	13,797	2.11	39.58	1.50	126.4	2,289	389	12.86	75.92	0.46	130.0
May	267,299	14,078	2.14	40.58	1.64	106.9	3,711	627	12.96	77.01	0.41	137.6
June	259,205	13,940	2.17	40.26	1.64	82.0	1,949	327	13.08	78.09	0.48	93.7
July	298,566	16,048	2.09	38.91	1.63	84.8	2,124	360	12.81	75.81	0.47	69.4
Year to Date												
2013	2,297,538	123,753	2.21	41.17	1.49	97.6	21,237	3,527	20.42	123.10	0.46	87.8
2014	2,397,262	127,622	2.27	42.67	1.50	98.8	44,261	7,363	21.71	130.70	0.46	74.1
2015	1,967,657	105,039	2.16	40.55	1.53	95.7	29,359	4,905	13.29	79.73	0.48	58.3
Rolling 12 Months Ending in July												
2014	4,132,155	221,440	2.24	41.82	1.48	99.7	66,456	11,041	20.81	125.42	0.45	88.6
2015	3,667,004	196,598	2.18	40.62	1.50	100.4	55,617	9,302	W	W	0.47	89.8

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - July 2015 (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												
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	65.6	4,025,263	3,917,898	4.25	4.36	92.8	W
2014	13,781	488	W	W	5.33	70.9	4,236,618	4,111,996	4.92	5.07	92.9	W
Year 2013												
January	1,444	52	0.00	0.00	5.37	67.8	305,859	297,827	4.59	4.72	92.6	3.29
February	1,424	51	0.00	0.00	5.39	74.3	271,071	264,155	4.73	4.85	91.0	3.39
March	1,474	53	0.00	0.00	5.36	69.9	293,315	285,996	4.36	4.47	92.2	3.27
April	1,507	54	W	W	5.44	76.0	282,900	275,394	4.56	4.68	92.9	W
May	1,628	57	W	W	5.43	118.1	304,542	296,100	4.45	4.58	92.9	W
June	1,541	54	W	W	5.43	80.3	357,118	347,375	4.20	4.32	92.9	W
July	1,543	54	W	W	5.37	67.4	457,359	444,633	4.06	4.17	92.9	W
August	951	34	W	W	5.36	33.2	439,538	428,028	3.67	3.77	93.5	W
Sept	118	4	W	W	5.22	6.1	372,893	362,795	3.83	3.94	93.9	W
October	1,492	53	W	W	5.33	73.4	311,285	302,936	3.86	3.96	93.3	W
November	1,490	52	0.00	0.00	5.43	77.3	301,695	293,861	4.03	4.14	92.9	3.11
December	1,538	55	W	W	5.42	70.9	327,686	318,797	5.05	5.19	92.4	W
Year 2014												
January	922	33	W	W	5.35	52.1	336,380	327,589	8.51	8.74	92.6	W
February	1,039	38	0.00	0.00	5.27	60.5	282,563	274,863	8.22	8.45	91.4	5.15
March	1,127	41	W	W	5.47	62.2	284,981	277,149	6.35	6.53	91.8	W
April	1,047	37	W	W	5.53	57.7	279,495	271,880	4.86	5.00	92.1	W
May	1,419	50	W	W	5.35	88.2	317,301	308,271	4.54	4.68	92.5	W
June	1,349	47	W	W	5.24	103.8	374,148	363,114	4.47	4.61	93.4	W
July	1,124	39	W	W	5.55	68.7	448,710	435,451	4.03	4.15	93.7	W
August	1,401	49	W	W	5.39	84.4	473,204	458,695	3.76	3.88	93.9	W
Sept	946	33	W	W	5.29	47.9	417,116	404,366	3.77	3.88	93.7	W
October	821	29	W	W	5.26	91.0	380,154	368,467	3.63	3.74	93.3	W
November	1,066	36	W	W	5.29	87.7	311,963	302,414	4.30	4.43	92.5	W
December	1,520	53	W	W	5.10	76.6	330,603	319,737	4.08	4.22	92.8	W
Year 2015												
January	1,427	52	W	W	5.10	77.4	371,200	359,180	4.07	4.20	93.1	W
February	562	20	W	W	4.53	30.2	331,718	320,864	5.15	5.32	93.9	W
March	956	34	W	W	4.81	48.7	366,764	354,887	3.40	3.51	93.0	W
April	1,501	54	W	W	4.95	79.5	340,438	328,604	2.69	2.78	93.9	W
May	1,348	48	W	W	5.17	69.2	373,413	360,618	2.77	2.87	93.0	W
June	1,237	44	W	W	5.22	68.8	446,921	431,447	2.71	2.80	93.9	W
July	1,119	40	W	W	5.30	58.6	524,872	507,866	2.71	2.80	94.3	W
Year to Date												
2013	10,560	375	W	W	5.40	76.9	2,272,166	2,211,481	4.39	4.51	92.5	W
2014	8,027	286	W	W	5.39	68.7	2,323,577	2,258,317	5.75	5.92	92.6	W
2015	8,151	291	2.42	67.80	5.06	61.9	2,755,325	2,663,466	3.29	3.40	93.6	W
Rolling 12 Months Ending in July												
2014	13,616	485	W	W	5.39	60.4	4,076,674	3,964,735	5.00	5.14	92.9	W
2015	13,905	493	W	W	5.14	66.4	4,668,366	4,517,145	3.53	3.64	93.5	W

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2005 - July 2015

	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												
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	11.2	0	0	--	--	--	0.0
2014	3,746	163	W	W	2.70	12.3	0	0	--	--	--	0.0
Year 2013												
January	390	17	W	W	2.99	11.2	0	0	--	--	--	0.0
February	394	17	W	W	3.07	12.2	0	0	--	--	--	0.0
March	489	21	W	W	2.74	16.0	0	0	--	--	--	0.0
April	241	10	W	W	3.04	10.4	0	0	--	--	--	0.0
May	383	17	W	W	2.96	15.8	0	0	--	--	--	0.0
June	355	16	W	W	2.91	15.2	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.9	0	0	--	--	--	0.0
August	386	17	W	W	2.82	16.3	0	0	--	--	--	0.0
Sept	143	6	W	W	3.37	6.4	0	0	--	--	--	0.0
October	61	3	W	W	3.34	2.9	0	0	--	--	--	0.0
November	202	9	W	W	3.52	7.9	0	0	--	--	--	0.0
December	254	11	W	W	3.45	8.6	0	0	--	--	--	0.0
Year 2014												
January	400	18	W	W	3.06	12.0	0	0	--	--	--	0.0
February	407	18	W	W	2.91	12.4	0	0	--	--	--	0.0
March	452	20	W	W	2.72	14.1	0	0	--	--	--	0.0
April	364	15	W	W	1.91	13.5	0	0	--	--	--	0.0
May	475	21	W	W	2.54	22.5	0	0	--	--	--	0.0
June	116	5	W	W	2.88	5.7	0	0	--	--	--	0.0
July	261	11	W	W	2.52	11.4	0	0	--	--	--	0.0
August	159	7	W	W	2.96	7.5	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	14.9	0	0	--	--	--	0.0
October	313	14	W	W	2.72	15.7	0	0	--	--	--	0.0
November	229	10	W	W	3.00	8.8	0	0	--	--	--	0.0
December	264	12	W	W	2.96	9.6	0	0	--	--	--	0.0
Year 2015												
January	272	12	W	W	2.97	9.3	0	0	--	--	--	0.0
February	245	11	W	W	3.01	9.0	0	0	--	--	--	0.0
March	177	8	W	W	2.93	6.7	0	0	--	--	--	0.0
April	298	13	W	W	2.72	14.8	0	0	--	--	--	0.0
May	102	15	W	W	2.90	17.4	0	0	--	--	--	0.0
June	213	9	W	W	2.30	14.4	0	0	--	--	--	0.0
July	124	5	W	W	2.93	7.9	0	0	--	--	--	0.0
Year to Date												
2013	2,460	106	W	W	2.98	12.8	0	0	--	--	--	0.0
2014	2,475	107	W	W	2.64	13.1	0	0	--	--	--	0.0
2015	1,433	72	W	W	2.81	10.9	0	0	--	--	--	0.0
Rolling 12 Months Ending in July												
2014	3,522	152	W	W	2.82	11.3	0	0	--	--	--	0.0
2015	2,703	128	W	W	2.82	11.0	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, 2005 - July 2015 (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												
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	4.6	W
2014	0	0	--	--	--	0.0	5,765	5,712	W	W	5.1	W
Year 2013												
January	0	0	--	--	--	0.0	330	327	W	W	3.4	W
February	0	0	--	--	--	0.0	361	357	W	W	4.1	W
March	0	0	--	--	--	0.0	382	378	W	W	4.0	W
April	0	0	--	--	--	0.0	375	371	W	W	4.3	W
May	0	0	--	--	--	0.0	467	464	W	W	5.2	W
June	0	0	--	--	--	0.0	404	401	W	W	4.2	W
July	0	0	--	--	--	0.0	445	440	W	W	3.6	W
August	0	0	--	--	--	0.0	414	411	W	W	3.7	W
Sept	0	0	--	--	--	0.0	560	554	W	W	5.4	W
October	0	0	--	--	--	0.0	633	629	W	W	6.9	W
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W
December	0	0	--	--	--	0.0	599	592	W	W	5.5	W
Year 2014												
January	0	0	--	--	--	0.0	405	400	W	W	3.7	W
February	0	0	--	--	--	0.0	296	292	W	W	3.2	W
March	0	0	--	--	--	0.0	354	349	W	W	3.8	W
April	0	0	--	--	--	0.0	439	435	W	W	5.1	W
May	0	0	--	--	--	0.0	490	486	W	W	5.7	W
June	0	0	--	--	--	0.0	438	435	W	W	5.0	W
July	0	0	--	--	--	0.0	475	471	W	W	5.0	W
August	0	0	--	--	--	0.0	624	619	W	W	6.3	W
Sept	0	0	--	--	--	0.0	553	548	W	W	5.9	W
October	0	0	--	--	--	0.0	578	573	W	W	6.1	W
November	0	0	--	--	--	0.0	476	471	W	W	5.1	W
December	0	0	--	--	--	0.0	638	632	W	W	6.5	W
Year 2015												
January	0	0	--	--	--	0.0	499	491	W	W	4.8	W
February	0	0	--	--	--	0.0	373	368	W	W	4.0	W
March	0	0	--	--	--	0.0	430	424	W	W	4.2	W
April	0	0	--	--	--	0.0	419	412	W	W	4.7	W
May	0	0	--	--	--	0.0	494	488	W	W	5.0	W
June	0	0	--	--	--	0.0	522	513	W	W	5.4	W
July	0	0	--	--	--	0.0	540	528	W	W	5.1	W
Year to Date												
2013	0	0	--	--	--	0.0	2,762	2,740	W	W	4.1	W
2014	0	0	--	--	--	0.0	2,896	2,868	W	W	4.5	W
2015	0	0	--	--	--	0.0	3,277	3,224	W	W	4.8	W
Rolling 12 Months Ending in July												
2014	0	0	--	--	--	0.0	5,631	5,578	W	W	4.9	W
2015	0	0	--	--	--	0.0	6,146	6,068	W	W	5.3	W

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

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, 2005 - July 2015

	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												
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	275,543	12,727	W	W	1.32	64.4	2,431	394	18.20	112.29	1.43	15.8
2014	203,039	8,976	W	W	1.54	45.1	1,937	315	18.03	110.83	1.52	11.0
Year 2013												
January	22,923	1,071	W	W	1.23	60.6	330	53	18.32	113.35	1.58	20.1
February	20,789	962	W	W	1.31	60.2	214	35	18.09	110.29	1.33	15.3
March	23,120	1,078	W	W	1.24	61.7	318	52	18.11	111.18	1.25	26.9
April	21,566	986	W	W	1.35	63.0	226	36	W	W	1.63	18.6
May	23,533	1,082	W	W	1.31	66.8	244	39	17.85	110.67	1.41	19.2
June	22,312	1,032	W	W	1.18	66.0	246	40	18.19	112.54	1.69	22.2
July	24,077	1,120	W	W	1.29	67.0	208	33	17.37	108.22	1.66	20.8
August	24,220	1,116	W	W	1.30	68.6	161	26	18.55	113.24	1.38	17.0
Sept	23,042	1,066	W	W	1.37	69.7	80	13	18.61	114.88	1.32	8.8
October	22,581	1,031	W	W	1.38	63.7	102	17	19.09	118.20	0.80	10.1
November	23,845	1,092	W	W	1.42	64.9	104	17	19.02	115.77	1.00	9.5
December	23,534	1,091	W	W	1.40	61.8	198	32	18.35	113.33	1.25	7.7
Year 2014												
January	16,877	750	W	W	1.49	40.3	310	50	19.16	117.73	1.34	7.7
February	16,046	707	W	W	1.53	41.5	274	44	20.61	127.88	1.01	13.1
March	18,501	816	W	W	1.62	44.4	115	19	21.18	130.19	1.11	5.8
April	16,782	751	W	W	1.46	47.8	118	19	16.98	105.64	1.78	13.3
May	15,920	709	W	W	1.47	43.6	126	20	17.42	107.63	1.81	12.1
June	15,904	703	W	W	1.61	44.8	185	30	18.05	111.09	1.86	15.5
July	17,479	773	W	W	1.49	46.5	121	20	15.79	98.08	1.72	11.7
August	18,015	794	W	W	1.58	47.7	110	18	W	W	1.64	9.4
Sept	16,624	732	W	W	1.47	45.8	132	22	17.63	107.87	1.95	13.5
October	17,061	752	W	W	1.59	48.0	135	22	16.12	98.52	1.65	16.2
November	16,880	745	W	W	1.61	47.0	148	25	17.58	105.86	1.47	11.3
December	16,952	743	W	W	1.52	45.4	164	27	15.14	92.18	1.47	15.7
Year 2015												
January	17,813	775	W	W	1.59	46.0	159	26	12.53	76.07	2.04	6.3
February	13,545	597	W	W	1.65	40.0	405	67	16.55	99.49	1.65	12.3
March	17,748	778	W	W	1.48	47.4	1,607	262	W	W	1.99	108.0
April	14,725	649	W	W	1.67	45.5	247	41	13.17	78.37	1.00	21.5
May	15,203	676	W	W	1.46	46.4	59	10	14.16	86.77	1.50	4.5
June	15,221	670	W	W	1.58	46.7	195	31	12.73	79.17	1.58	15.3
July	17,508	778	W	W	1.54	49.7	350	57	12.95	79.16	1.84	29.1
Year to Date												
2013	158,321	7,331	W	W	1.27	63.6	1,786	289	18.04	111.43	1.51	20.3
2014	117,508	5,210	W	W	1.53	44.0	1,248	202	18.79	116.06	1.46	10.2
2015	111,763	4,924	W	W	1.56	46.0	3,020	495	13.57	82.78	1.80	24.6
Rolling 12 Months Ending in July												
2014	234,730	10,607	W	W	1.45	52.9	1,893	307	18.75	115.58	1.36	10.1
2015	197,294	8,690	W	W	1.56	46.3	3,709	608	W	W	1.78	21.1

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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.

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - July 2015 (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												
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	17,236	623	W	W	5.82	30.5	750,946	728,835	W	W	62.3	W
2014	7,120	255	W	W	5.89	14.5	714,558	691,601	W	W	61.8	W
Year 2013												
January	1,844	67	2.30	63.72	6.13	34.8	61,781	60,209	W	W	60.2	W
February	1,058	38	2.38	65.94	6.03	30.4	59,307	57,544	W	W	64.4	W
March	1,317	47	2.40	67.24	6.03	26.2	63,464	61,243	W	W	63.0	W
April	1,424	51	W	W	5.96	30.6	58,374	56,733	W	W	61.4	W
May	1,520	54	W	W	5.82	28.5	62,146	60,458	W	W	64.7	W
June	1,686	61	W	W	5.70	32.1	64,256	62,350	W	W	65.2	W
July	1,666	59	W	W	5.99	30.2	63,859	61,986	W	W	59.3	W
August	2,041	72	W	W	5.94	33.2	64,617	62,815	W	W	60.6	W
Sept	1,565	56	W	W	5.68	34.3	60,028	58,253	W	W	60.9	W
October	1,252	46	W	W	5.36	29.1	62,118	60,239	W	W	63.0	W
November	677	25	2.36	65.25	5.58	21.5	64,376	62,456	W	W	64.0	W
December	1,189	45	W	W	5.28	31.4	66,621	64,548	W	W	61.4	W
Year 2014												
January	219	8	W	W	6.07	5.3	63,493	61,584	W	W	59.7	W
February	161	6	W	W	6.30	4.4	56,999	55,245	W	W	62.2	W
March	577	21	W	W	5.82	14.5	62,891	60,988	W	W	62.8	W
April	503	18	W	W	6.00	14.4	56,195	54,553	W	W	61.2	W
May	361	13	W	W	5.57	13.7	57,677	55,846	W	W	64.2	W
June	766	27	W	W	5.67	23.7	58,178	56,342	W	W	63.2	W
July	571	20	W	W	5.85	10.5	62,126	60,142	W	W	63.9	W
August	666	24	W	W	5.86	12.3	62,503	60,408	W	W	63.3	W
Sept	769	27	W	W	6.00	16.1	57,174	55,248	W	W	59.9	W
October	736	26	W	W	6.00	19.8	55,885	54,016	W	W	60.2	W
November	835	31	W	W	5.89	20.1	59,425	57,413	W	W	61.2	W
December	956	35	W	W	5.94	20.9	62,014	59,817	W	W	60.2	W
Year 2015												
January	788	29	W	W	5.74	19.4	58,372	56,448	W	W	56.0	W
February	481	17	W	W	6.17	12.2	55,718	53,949	W	W	60.9	W
March	601	21	W	W	5.99	16.1	59,412	57,486	W	W	60.6	W
April	712	25	W	W	6.18	20.8	55,515	53,751	W	W	60.0	W
May	410	14	W	W	6.14	12.5	59,979	57,979	W	W	62.1	W
June	659	24	W	W	5.64	25.9	61,171	58,979	W	W	62.1	W
July	422	16	W	W	5.68	14.1	64,482	62,227	W	W	60.7	W
Year to Date												
2013	10,514	378	W	W	5.95	30.4	433,186	420,523	W	W	62.5	W
2014	3,158	113	W	W	5.83	11.9	417,558	404,699	W	W	62.4	W
2015	4,073	147	W	W	5.92	17.0	414,649	400,819	W	W	60.3	W
Rolling 12 Months Ending in July												
2014	9,880	357	W	W	5.68	20.5	735,318	713,011	W	W	62.2	W
2015	8,035	289	W	W	5.93	17.2	711,650	687,721	W	W	60.6	W

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, July 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	107	205	-48.0%	46	23	60	181	0	0	1	1
Connecticut	0	12	-100.0%	0	0	0	12	0	0	0	0
Maine	4	4	0.4%	0	0	3	3	0	0	1	1
Massachusetts	57	93	-38.0%	0	0	57	93	0	0	0	0
New Hampshire	46	23	97.0%	46	23	0	0	0	0	0	0
Rhode Island	0	73	-100.0%	0	0	0	73	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,248	2,895	-22.0%	0	0	2,206	2,873	0	0	42	22
New Jersey	56	93	-40.0%	0	0	56	93	0	0	0	0
New York	95	172	-45.0%	0	0	62	164	0	0	33	8
Pennsylvania	2,098	2,630	-20.0%	0	0	2,088	2,616	0	0	10	14
East North Central	14,897	16,338	-8.8%	9,191	10,908	5,453	5,153	1	8	252	269
Illinois	4,493	4,906	-8.4%	545	408	3,773	4,346	0	0	175	152
Indiana	2,725	3,270	-17.0%	2,465	3,051	260	219	0	0	0	0
Michigan	3,160	3,240	-2.5%	3,127	3,194	32	36	1	8	0	2
Ohio	2,467	3,120	-21.0%	1,059	2,544	1,389	552	0	0	19	25
Wisconsin	2,052	1,802	14.0%	1,994	1,712	0	0	0	0	59	90
West North Central	11,562	11,268	2.6%	11,430	11,167	0	0	4	3	127	98
Iowa	2,009	1,541	30.0%	1,882	1,443	0	0	0	0	127	98
Kansas	1,337	1,565	-15.0%	1,337	1,565	0	0	0	0	0	0
Minnesota	1,367	1,246	9.7%	1,367	1,246	0	0	0	0	0	0
Missouri	3,429	3,418	0.3%	3,425	3,415	0	0	4	3	0	0
Nebraska	1,208	1,379	-12.0%	1,208	1,379	0	0	0	0	0	0
North Dakota	2,184	1,967	11.0%	2,184	1,967	0	0	0	0	0	0
South Dakota	28	152	-82.0%	28	152	0	0	0	0	0	0
South Atlantic	9,366	10,416	-10.0%	7,907	8,462	1,337	1,825	0	0	123	129
Delaware	0	46	-100.0%	0	0	0	46	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,731	1,789	-3.3%	1,630	1,670	101	120	0	0	0	0
Georgia	1,692	1,859	-9.0%	1,684	1,827	0	0	0	0	9	31
Maryland	597	624	-4.3%	0	0	573	597	0	0	25	27
North Carolina	1,099	1,547	-29.0%	1,099	1,547	0	0	0	0	0	0
South Carolina	1,037	995	4.2%	1,020	986	0	0	0	0	17	9
Virginia	759	877	-14.0%	659	792	69	53	0	0	30	32
West Virginia	2,451	2,679	-8.5%	1,814	1,640	594	1,009	0	0	43	30
East South Central	6,577	8,014	-18.0%	6,099	7,515	350	374	0	0	128	125
Alabama	1,871	2,382	-21.0%	1,871	2,382	0	0	0	0	0	0
Kentucky	3,026	3,060	-1.1%	3,026	3,060	0	0	0	0	0	0
Mississippi	590	721	-18.0%	240	347	350	374	0	0	0	0
Tennessee	1,090	1,851	-41.0%	962	1,726	0	0	0	0	128	125
West South Central	12,031	13,286	-9.4%	6,692	6,487	5,335	6,787	0	0	5	11
Arkansas	1,295	1,596	-19.0%	1,092	1,488	198	97	0	0	5	11
Louisiana	1,094	1,219	-10.0%	700	616	395	604	0	0	0	0
Oklahoma	1,512	1,490	1.5%	1,436	1,374	76	116	0	0	0	0
Texas	8,130	8,980	-9.5%	3,464	3,009	4,667	5,971	0	0	0	0
Mountain	9,372	9,338	0.4%	8,380	8,401	946	887	0	0	46	51
Arizona	1,837	1,998	-8.0%	1,837	1,998	0	0	0	0	0	0
Colorado	1,737	1,326	31.0%	1,737	1,326	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	901	796	13.0%	0	0	901	796	0	0	0	0
Nevada	166	405	-59.0%	121	315	45	90	0	0	0	0
New Mexico	1,165	1,212	-3.9%	1,165	1,212	0	0	0	0	0	0
Utah	1,234	1,307	-5.6%	1,188	1,257	0	0	0	0	46	51
Wyoming	2,332	2,294	1.7%	2,332	2,294	0	0	0	0	0	0
Pacific Contiguous	534	542	-1.3%	179	209	301	267	0	0	54	66
California	54	99	-45.0%	0	0	0	33	0	0	54	66
Oregon	179	209	-14.0%	179	209	0	0	0	0	0	0
Washington	301	234	29.0%	0	0	301	234	0	0	0	0
Pacific Noncontiguous	61	61	-0.2%	0	0	61	61	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	61	61	-0.2%	0	0	61	61	0	0	0	0
U.S. Total	66,756	72,363	-7.7%	49,925	53,172	16,048	18,407	5	11	778	773

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

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

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,372	2,105	-35.0%	405	427	944	1,656	0	0	23	21
Connecticut	251	406	-38.0%	0	0	251	406	0	0	0	0
Maine	72	63	13.0%	0	0	49	42	0	0	23	21
Massachusetts	645	955	-32.0%	0	0	645	955	0	0	0	0
New Hampshire	405	427	-5.2%	405	427	0	0	0	0	0	0
Rhode Island	0	254	-100.0%	0	0	0	254	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	16,897	22,677	-25.0%	0	0	16,633	22,419	0	0	264	258
New Jersey	565	689	-18.0%	0	0	565	689	0	0	0	0
New York	582	2,071	-72.0%	0	0	395	1,903	0	0	187	167
Pennsylvania	15,750	19,917	-21.0%	0	0	15,672	19,827	0	0	78	90
East North Central	99,351	110,357	-10.0%	64,833	71,097	32,907	37,556	20	53	1,592	1,651
Illinois	31,665	35,908	-12.0%	3,158	3,035	27,373	31,760	0	0	1,134	1,113
Indiana	21,142	23,445	-9.8%	19,513	21,857	1,629	1,588	0	0	0	0
Michigan	15,798	15,499	1.9%	15,613	15,271	145	120	20	53	20	54
Ohio	17,794	23,584	-25.0%	13,886	19,327	3,759	4,088	0	0	149	169
Wisconsin	12,952	11,922	8.6%	12,664	11,607	0	0	0	0	288	315
West North Central	79,503	75,421	5.4%	78,693	74,586	0	0	53	54	757	781
Iowa	12,459	9,903	26.0%	11,717	9,141	0	0	0	0	742	762
Kansas	10,473	10,704	-2.2%	10,473	10,704	0	0	0	0	0	0
Minnesota	10,506	8,731	20.0%	10,491	8,712	0	0	0	0	14	19
Missouri	24,264	23,624	2.7%	24,211	23,570	0	0	53	54	0	0
Nebraska	7,660	8,567	-11.0%	7,660	8,567	0	0	0	0	0	0
North Dakota	13,725	12,851	6.8%	13,725	12,851	0	0	0	0	0	0
South Dakota	416	1,040	-60.0%	416	1,040	0	0	0	0	0	0
South Atlantic	64,724	68,228	-5.1%	53,729	53,137	10,151	14,032	0	0	844	1,059
Delaware	152	430	-65.0%	0	0	152	430	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11,725	11,364	3.2%	11,357	10,880	368	484	0	0	0	0
Georgia	11,635	11,535	0.9%	11,506	11,266	0	0	0	0	129	270
Maryland	3,878	5,071	-24.0%	0	0	3,689	4,848	0	0	190	223
North Carolina	8,508	9,011	-5.6%	8,508	9,011	0	0	0	0	0	0
South Carolina	6,954	5,673	23.0%	6,855	5,546	0	0	0	0	99	128
Virginia	4,570	6,161	-26.0%	3,941	5,425	428	520	0	0	201	216
West Virginia	17,302	18,983	-8.9%	11,563	11,010	5,514	7,751	0	0	225	222
East South Central	45,330	50,127	-9.6%	42,325	47,203	2,135	2,022	0	0	870	902
Alabama	11,873	13,597	-13.0%	11,873	13,597	0	0	0	0	0	0
Kentucky	24,374	20,856	17.0%	24,298	20,856	76	0	0	0	0	0
Mississippi	2,995	3,759	-20.0%	937	1,737	2,059	2,022	0	0	0	0
Tennessee	6,087	11,915	-49.0%	5,217	11,013	0	0	0	0	870	902
West South Central	74,657	83,405	-10.0%	39,933	41,737	34,677	41,642	0	0	46	26
Arkansas	8,458	10,319	-18.0%	6,940	9,191	1,472	1,102	0	0	46	26
Louisiana	6,307	6,014	4.9%	3,535	2,496	2,772	3,518	0	0	0	0
Oklahoma	10,651	10,281	3.6%	9,946	9,661	705	620	0	0	0	0
Texas	49,240	56,791	-13.0%	19,512	20,389	29,728	36,402	0	0	0	0
Mountain	60,214	58,437	3.0%	54,699	53,313	5,364	4,940	0	0	150	184
Arizona	12,586	12,903	-2.5%	12,586	12,903	0	0	0	0	0	0
Colorado	11,297	9,752	16.0%	11,297	9,752	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	5,092	4,499	13.0%	0	0	5,092	4,499	0	0	0	0
Nevada	731	2,412	-70.0%	459	1,972	272	441	0	0	0	0
New Mexico	7,105	6,930	2.5%	7,105	6,930	0	0	0	0	0	0
Utah	8,892	7,722	15.0%	8,742	7,538	0	0	0	0	150	184
Wyoming	14,510	14,218	2.1%	14,510	14,218	0	0	0	0	0	0
Pacific Contiguous	2,964	4,550	-35.0%	714	1,290	1,872	2,932	0	0	378	329
California	378	481	-21.0%	0	0	0	152	0	0	378	329
Oregon	714	1,290	-45.0%	714	1,290	0	0	0	0	0	0
Washington	1,872	2,780	-33.0%	0	0	1,872	2,780	0	0	0	0
Pacific Noncontiguous	356	423	-16.0%	0	0	356	423	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	356	423	-16.0%	0	0	356	423	0	0	0	0
U.S. Total	445,368	475,730	-6.4%	335,332	342,791	105,039	127,622	72	107	4,924	5,210

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, July 2015 and 2014
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	3	117	-97.0%	0	62	3	55	0	0	0	0
Connecticut	1	53	-98.0%	0	0	1	53	0	0	0	0
Maine	2	1	64.0%	0	0	2	1	0	0	0	0
Massachusetts	0	61	-100.0%	0	61	0	0	0	0	0	0
New Hampshire	0	1	-80.0%	0	1	0	0	0	0	0	0
Rhode Island	0	1	-100.0%	0	0	0	1	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	131	161	-19.0%	44	89	87	71	0	0	0	1
New Jersey	11	1	742.0%	0	0	11	1	0	0	0	0
New York	53	140	-62.0%	44	89	8	50	0	0	0	1
Pennsylvania	67	20	239.0%	0	0	67	20	0	0	0	0
East North Central	95	74	29.0%	77	50	14	23	0	0	4	1
Illinois	7	17	-60.0%	4	3	3	14	0	0	0	0
Indiana	22	16	38.0%	22	16	0	0	0	0	0	0
Michigan	14	11	20.0%	12	11	0	0	0	0	1	0
Ohio	48	26	90.0%	37	16	9	9	0	0	2	1
Wisconsin	4	4	0.5%	3	3	1	0	0	0	0	0
West North Central	29	22	36.0%	29	22	0	0	0	0	0	0
Iowa	9	5	64.0%	9	5	0	0	0	0	0	0
Kansas	3	0	NM	3	0	0	0	0	0	0	0
Minnesota	2	3	-20.0%	2	3	0	0	0	0	0	0
Missouri	12	3	309.0%	12	3	0	0	0	0	0	0
Nebraska	0	8	-100.0%	0	8	0	0	0	0	0	0
North Dakota	3	2	48.0%	3	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	421	265	59.0%	305	224	64	23	0	0	52	18
Delaware	2	4	-45.0%	0	0	2	4	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15	90	-83.0%	15	90	0	0	0	0	0	0
Georgia	9	16	-47.0%	6	13	0	0	0	0	3	3
Maryland	44	10	355.0%	0	0	44	10	0	0	0	0
North Carolina	11	13	-18.0%	11	13	0	0	0	0	0	0
South Carolina	15	18	-16.0%	6	6	0	0	0	0	10	12
Virginia	309	93	232.0%	252	81	18	10	0	0	40	2
West Virginia	16	21	-23.0%	16	21	0	0	0	0	0	0
East South Central	63	40	55.0%	62	40	0	0	0	0	1	0
Alabama	3	5	-26.0%	3	5	0	0	0	0	0	0
Kentucky	23	27	-17.0%	23	27	0	0	0	0	0	0
Mississippi	27	0	--	27	0	0	0	0	0	0	0
Tennessee	9	9	11.0%	8	9	0	0	0	0	1	0
West South Central	15	18	-20.0%	8	4	7	14	0	0	0	0
Arkansas	3	1	301.0%	2	0	1	1	0	0	0	0
Louisiana	3	5	-49.0%	2	0	1	5	0	0	0	0
Oklahoma	0	1	-100.0%	0	1	0	0	0	0	0	0
Texas	9	12	-23.0%	4	3	5	9	0	0	0	0
Mountain	23	20	16.0%	23	18	0	2	0	0	0	0
Arizona	5	6	-19.0%	5	6	0	0	0	0	0	0
Colorado	0	1	-100.0%	0	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	2	-100.0%	0	0	0	2	0	0	0	0
Nevada	3	2	44.0%	3	2	0	0	0	0	0	0
New Mexico	10	6	71.0%	10	6	0	0	0	0	0	0
Utah	2	3	-33.0%	2	3	0	0	0	0	0	0
Wyoming	3	1	232.0%	3	1	0	0	0	0	0	0
Pacific Contiguous	2	3	-9.5%	1	0	1	3	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	1	0	--	1	0	0	0	0	0	0	0
Washington	1	3	-46.0%	0	0	1	3	0	0	0	0
Pacific Noncontiguous	667	673	-0.8%	483	480	184	193	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	667	673	-0.8%	483	480	184	193	0	0	0	0
U.S. Total	1,450	1,392	4.2%	1,033	988	360	385	0	0	57	20

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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) July 2015 and 2014
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	1,245	2,059	-40.0%	61	211	1,153	1,810	0	0	32	38
Connecticut	291	491	-41.0%	0	0	291	491	0	0	0	0
Maine	486	240	103.0%	0	0	455	202	0	0	32	38
Massachusetts	378	932	-59.0%	5	81	373	851	0	0	0	0
New Hampshire	79	309	-75.0%	55	130	23	179	0	0	0	0
Rhode Island	11	87	-87.0%	0	0	11	87	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,805	3,649	-23.0%	1,036	807	1,764	2,834	0	0	5	8
New Jersey	66	228	-71.0%	0	0	66	228	0	0	0	0
New York	2,050	2,535	-19.0%	1,036	807	1,010	1,721	0	0	5	7
Pennsylvania	688	886	-22.0%	0	0	688	885	0	0	0	1
East North Central	696	969	-28.0%	537	620	133	318	0	0	26	31
Illinois	55	110	-50.0%	18	27	37	83	0	0	0	0
Indiana	190	171	11.0%	190	171	0	0	0	0	0	0
Michigan	114	146	-22.0%	106	136	0	0	0	0	8	10
Ohio	298	473	-37.0%	187	222	95	232	0	0	16	19
Wisconsin	39	68	-43.0%	36	64	1	2	0	0	1	2
West North Central	240	351	-32.0%	240	348	0	2	0	0	0	0
Iowa	42	62	-32.0%	42	62	0	0	0	0	0	0
Kansas	52	48	8.4%	52	48	0	0	0	0	0	0
Minnesota	15	65	-77.0%	15	63	0	2	0	0	0	0
Missouri	93	110	-15.0%	93	110	0	0	0	0	0	0
Nebraska	0	29	-100.0%	0	29	0	0	0	0	0	0
North Dakota	31	30	2.2%	31	30	0	0	0	0	0	0
South Dakota	6	6	3.2%	6	6	0	0	0	0	0	0
South Atlantic	3,372	4,091	-18.0%	2,327	2,842	615	1,124	0	0	430	125
Delaware	61	21	192.0%	0	0	61	21	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	424	283	50.0%	421	275	2	9	0	0	0	0
Georgia	214	279	-23.0%	101	179	75	47	0	0	38	53
Maryland	186	756	-75.0%	0	0	186	756	0	0	0	0
North Carolina	383	581	-34.0%	351	570	33	11	0	0	0	0
South Carolina	343	444	-23.0%	257	397	7	0	0	0	79	47
Virginia	1,645	1,574	4.5%	1,081	1,296	250	252	0	0	314	25
West Virginia	117	154	-24.0%	117	126	0	29	0	0	0	0
East South Central	378	362	4.6%	350	339	27	23	0	0	2	0
Alabama	83	104	-20.0%	57	82	27	23	0	0	0	0
Kentucky	122	127	-4.3%	122	127	0	0	0	0	0	0
Mississippi	43	15	187.0%	43	15	0	0	0	0	0	0
Tennessee	130	115	13.0%	128	115	0	0	0	0	2	0
West South Central	238	186	28.0%	163	75	75	111	0	0	0	0
Arkansas	54	21	154.0%	40	12	14	9	0	0	0	0
Louisiana	82	50	65.0%	64	17	18	33	0	0	0	0
Oklahoma	2	14	-89.0%	2	14	0	0	0	0	0	0
Texas	100	100	-0.1%	57	32	43	68	0	0	0	0
Mountain	231	211	9.2%	220	197	11	14	0	0	0	0
Arizona	66	55	19.0%	66	55	0	0	0	0	0	0
Colorado	5	4	30.0%	5	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	8	12	-35.0%	0	0	8	12	0	0	0	0
Nevada	18	15	23.0%	15	13	3	2	0	0	0	0
New Mexico	73	68	7.1%	73	68	0	0	0	0	0	0
Utah	22	19	11.0%	22	19	0	0	0	0	0	0
Wyoming	38	37	3.5%	38	37	0	0	0	0	0	0
Pacific Contiguous	7	17	-58.0%	1	7	6	10	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	1	7	-87.0%	1	7	0	0	0	0	0	0
Washington	6	10	-36.0%	0	0	6	10	0	0	0	0
Pacific Noncontiguous	5,311	5,241	1.3%	4,190	4,124	1,122	1,117	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	5,311	5,241	1.3%	4,190	4,124	1,122	1,117	0	0	0	0
U.S. Total	14,523	17,136	-15.0%	9,123	9,571	4,905	7,363	0	0	495	202

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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 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, July 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
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	135	134	0.2%	87	83	40	39	0	0	8	12
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	50	45	11.0%	50	45	0	0	0	0	0	0
Michigan	33	31	5.7%	33	30	0	2	0	0	0	0
Ohio	40	38	6.3%	0	0	40	38	0	0	0	0
Wisconsin	11	20	-43.0%	3	8	0	0	0	0	8	12
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	169	44	284.0%	161	36	0	0	0	0	8	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	161	36	344.0%	161	36	0	0	0	0	0	0
Georgia	8	8	0.9%	0	0	0	0	0	0	8	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	12	40	-69.0%	12	40	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	12	40	-69.0%	12	40	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	134	181	-26.0%	134	181	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	134	181	-26.0%	134	181	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	451	399	13.0%	395	339	40	39	0	0	16	20

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 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	774	898	-14.0%	437	545	291	286	0	0	47	67
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	211	280	-25.0%	211	280	0	0	0	0	0	0
Michigan	223	242	-7.8%	210	231	13	11	0	0	0	0
Ohio	278	275	1.0%	0	0	278	275	0	0	0	0
Wisconsin	62	101	-38.0%	15	34	0	0	0	0	47	67
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	666	759	-12.0%	566	714	0	0	0	0	100	45
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	566	714	-21.0%	566	714	0	0	0	0	0	0
Georgia	100	45	121.0%	0	0	0	0	0	0	100	45
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	359	197	82.0%	359	197	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	359	197	82.0%	359	197	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	952	1,003	-5.1%	952	1,003	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	952	1,003	-5.1%	952	1,003	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	2,751	2,858	-3.7%	2,313	2,459	291	286	0	0	147	113

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, July 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	45,056	42,502	6.0%	410	726	44,600	40,957	0	0	46	819
Connecticut	11,315	10,881	4.0%	0	0	11,315	10,881	0	0	0	0
Maine	1,200	4,437	-73.0%	0	0	1,154	3,618	0	0	46	819
Massachusetts	21,464	17,248	24.0%	339	524	21,125	16,724	0	0	0	0
New Hampshire	4,213	4,037	4.4%	71	203	4,142	3,834	0	0	0	0
Rhode Island	6,864	5,899	16.0%	0	0	6,864	5,899	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	121,097	111,395	8.7%	13,049	10,949	107,901	100,300	0	0	147	146
New Jersey	27,403	26,116	4.9%	0	0	27,403	26,116	0	0	0	0
New York	48,298	46,160	4.6%	13,049	10,949	35,185	35,128	0	0	64	83
Pennsylvania	45,396	39,119	16.0%	0	0	45,313	39,056	0	0	83	63
East North Central	64,306	33,046	95.0%	26,841	12,394	36,515	20,217	422	369	528	66
Illinois	9,850	2,512	292.0%	982	285	8,865	2,224	0	0	2	3
Indiana	9,103	5,107	78.0%	7,777	3,020	1,326	2,087	0	0	0	0
Michigan	15,510	5,403	187.0%	3,703	1,194	10,990	3,797	422	369	394	44
Ohio	19,317	15,765	23.0%	5,055	5,676	14,261	10,089	0	0	0	0
Wisconsin	10,527	4,258	147.0%	9,324	2,219	1,072	2,020	0	0	131	19
West North Central	21,245	8,668	145.0%	18,234	6,993	2,904	1,570	106	103	1	3
Iowa	4,149	983	322.0%	4,148	981	0	0	0	0	1	2
Kansas	2,628	1,395	88.0%	2,628	1,395	0	0	0	0	0	0
Minnesota	6,834	1,784	283.0%	5,674	1,287	1,155	496	4	0	0	1
Missouri	5,682	3,487	63.0%	3,831	2,310	1,749	1,074	102	103	0	0
Nebraska	966	410	136.0%	966	410	0	0	0	0	0	0
North Dakota	60	1	NM	60	1	0	0	0	0	0	0
South Dakota	929	610	52.0%	929	610	0	0	0	0	0	0
South Atlantic	234,876	190,124	24.0%	183,434	151,340	48,345	36,953	0	0	3,097	1,831
Delaware	6,534	5,950	9.8%	0	0	5,279	5,191	0	0	1,255	759
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	108,582	102,618	5.8%	103,830	97,346	4,752	5,271	0	0	0	0
Georgia	41,028	29,390	40.0%	24,523	19,870	15,386	8,906	0	0	1,120	614
Maryland	6,182	2,790	122.0%	0	0	6,160	2,765	0	0	22	25
North Carolina	25,869	20,843	24.0%	21,803	14,274	4,066	6,569	0	0	0	0
South Carolina	14,499	9,819	48.0%	12,874	8,476	1,594	1,332	0	0	31	12
Virginia	30,067	18,123	66.0%	20,214	11,373	9,184	6,328	0	0	669	422
West Virginia	2,116	590	259.0%	191	0	1,925	590	0	0	0	0
East South Central	82,742	56,561	46.0%	48,354	30,827	33,746	25,316	0	0	643	418
Alabama	37,081	28,602	30.0%	8,848	7,053	28,234	21,549	0	0	0	0
Kentucky	3,459	1,310	164.0%	2,027	1,249	1,432	61	0	0	0	0
Mississippi	33,975	21,429	59.0%	29,895	17,723	4,080	3,705	0	0	0	0
Tennessee	8,227	5,220	58.0%	7,585	4,802	0	0	0	0	643	418
West South Central	308,304	257,635	20.0%	99,716	69,955	154,268	134,820	0	0	54,319	52,861
Arkansas	12,214	6,792	80.0%	4,107	1,033	7,883	5,511	0	0	224	248
Louisiana	55,397	44,223	25.0%	32,386	20,391	4,123	7,078	0	0	18,888	16,754
Oklahoma	30,393	21,546	41.0%	19,587	13,405	10,807	8,141	0	0	0	0
Texas	210,299	185,075	14.0%	43,637	35,126	131,456	114,090	0	0	35,207	35,859
Mountain	77,145	73,844	4.5%	54,412	46,495	22,673	27,296	0	0	60	53
Arizona	33,520	31,640	5.9%	16,407	13,724	17,114	17,916	0	0	0	0
Colorado	9,445	9,343	1.1%	7,690	5,505	1,755	3,838	0	0	0	0
Idaho	2,814	1,830	54.0%	1,779	1,179	1,035	651	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	19,331	18,310	5.6%	19,331	15,820	0	2,490	0	0	0	0
New Mexico	6,788	6,467	5.0%	4,362	4,424	2,427	2,043	0	0	0	0
Utah	5,237	6,243	-16.0%	4,835	5,833	342	358	0	0	60	53
Wyoming	9	11	-11.0%	9	11	0	0	0	0	0	0
Pacific Contiguous	96,286	84,766	14.0%	35,986	32,799	56,914	48,023	0	0	3,386	3,945
California	73,811	69,953	5.5%	21,722	22,768	48,703	43,240	0	0	3,386	3,945
Oregon	11,891	8,005	49.0%	4,908	3,726	6,982	4,279	0	0	0	0
Washington	10,585	6,808	55.0%	9,355	6,305	1,229	504	0	0	0	0
Pacific Noncontiguous	1,358	1,761	-23.0%	1,358	1,761	0	0	0	0	0	0
Alaska	1,358	1,761	-23.0%	1,358	1,761	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,052,415	860,304	22.0%	481,794	364,240	507,866	435,451	528	471	62,227	60,142

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Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	204,837	185,311	11.0%	972	1,264	203,404	180,493	0	0	460	3,554
Connecticut	63,170	54,472	16.0%	0	0	63,170	54,472	0	0	0	0
Maine	8,941	19,195	-53.0%	0	0	8,480	15,641	0	0	460	3,554
Massachusetts	80,166	71,253	13.0%	870	952	79,295	70,301	0	0	0	0
New Hampshire	24,285	16,137	50.0%	102	311	24,183	15,826	0	0	0	0
Rhode Island	28,275	24,253	17.0%	0	0	28,275	24,253	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	610,385	550,657	11.0%	56,017	55,042	553,174	494,437	0	0	1,194	1,178
New Jersey	144,894	123,739	17.0%	0	0	144,894	123,739	0	0	0	0
New York	236,788	229,288	3.3%	56,017	55,042	180,296	173,712	0	0	474	534
Pennsylvania	228,703	197,630	16.0%	0	0	227,984	196,986	0	0	720	644
East North Central	371,482	251,159	48.0%	144,885	97,854	220,051	149,185	2,713	2,468	3,833	1,651
Illinois	39,029	17,285	126.0%	2,198	1,882	36,792	15,374	0	0	39	29
Indiana	68,311	44,592	53.0%	54,134	31,109	14,177	13,483	0	0	0	0
Michigan	86,070	60,493	42.0%	17,397	15,294	63,475	41,807	2,713	2,468	2,484	924
Ohio	121,165	98,668	23.0%	39,756	35,508	81,171	63,046	0	0	237	114
Wisconsin	56,908	30,121	89.0%	31,400	14,062	24,436	15,476	0	0	1,072	584
West North Central	73,586	48,114	53.0%	63,389	40,470	9,608	7,188	512	400	77	57
Iowa	12,201	5,754	112.0%	12,192	5,742	0	0	0	0	9	12
Kansas	7,455	7,843	-4.9%	7,455	7,843	0	0	0	0	0	0
Minnesota	27,536	14,663	88.0%	23,759	11,006	3,705	3,611	5	0	67	45
Missouri	20,788	16,321	27.0%	14,378	12,345	5,903	3,576	507	400	0	0
Nebraska	2,182	2,032	7.4%	2,182	2,032	0	0	0	0	0	0
North Dakota	226	8	NM	226	8	0	0	0	0	0	0
South Dakota	3,199	1,493	114.0%	3,199	1,493	0	0	0	0	0	0
South Atlantic	1,288,766	1,051,669	23.0%	1,033,599	858,403	234,167	180,162	0	0	21,000	13,104
Delaware	33,703	27,704	22.0%	0	0	25,163	21,937	0	0	8,539	5,767
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	640,681	588,213	8.9%	614,582	563,966	26,099	24,246	0	0	0	0
Georgia	211,239	154,241	37.0%	135,284	110,965	68,831	38,657	0	0	7,123	4,620
Maryland	20,371	10,062	102.0%	0	0	20,168	9,883	0	0	203	179
North Carolina	155,983	114,717	36.0%	124,517	79,705	31,466	35,012	0	0	0	0
South Carolina	69,788	51,973	34.0%	62,449	46,124	6,962	5,661	0	0	377	188
Virginia	150,328	101,218	49.0%	95,899	55,845	49,671	43,022	0	0	4,757	2,351
West Virginia	6,672	3,541	88.0%	867	1,798	5,805	1,744	0	0	0	0
East South Central	485,004	364,531	33.0%	277,179	219,021	203,719	144,486	0	0	4,106	1,024
Alabama	218,574	172,257	27.0%	55,329	53,964	163,245	118,294	0	0	0	0
Kentucky	25,606	21,553	19.0%	21,880	20,099	3,726	1,454	0	0	0	0
Mississippi	195,249	142,647	37.0%	158,501	117,909	36,748	24,738	0	0	0	0
Tennessee	45,575	28,074	62.0%	41,470	27,050	0	0	0	0	4,106	1,024
West South Central	1,677,969	1,466,636	14.0%	454,791	388,694	874,738	720,870	0	0	348,439	357,072
Arkansas	72,004	44,783	61.0%	17,409	7,242	52,238	36,623	0	0	2,357	918
Louisiana	303,816	283,473	7.2%	149,308	116,813	47,186	50,184	0	0	107,322	116,476
Oklahoma	146,235	122,532	19.0%	96,836	83,771	49,399	38,761	0	0	0	0
Texas	1,155,914	1,015,848	14.0%	191,239	180,868	725,914	595,302	0	0	238,761	239,678
Mountain	341,906	307,689	11.0%	238,730	202,327	102,837	104,979	0	0	338	383
Arizona	116,504	104,640	11.0%	56,253	47,352	60,251	57,289	0	0	0	0
Colorado	44,773	49,512	-9.6%	30,663	28,425	14,110	21,086	0	0	0	0
Idaho	11,917	7,791	53.0%	7,107	4,108	4,809	3,684	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	103,355	77,412	34.0%	95,907	68,509	7,448	8,903	0	0	0	0
New Mexico	37,121	37,866	-2.0%	21,619	24,585	15,501	13,280	0	0	0	0
Utah	28,171	30,402	-7.3%	27,115	29,282	718	737	0	0	338	383
Wyoming	65	67	-2.9%	65	67	0	0	0	0	0	0
Pacific Contiguous	461,037	471,373	-2.2%	177,898	168,180	261,768	276,518	0	0	21,371	26,675
California	371,661	401,478	-7.4%	125,776	125,976	224,514	248,827	0	0	21,371	26,675
Oregon	55,010	40,212	37.0%	20,958	14,453	34,052	25,759	0	0	0	0
Washington	34,365	29,684	16.0%	31,164	27,752	3,202	1,932	0	0	0	0
Pacific Noncontiguous	9,536	11,869	-20.0%	9,536	11,869	0	0	0	0	0	0
Alaska	9,536	11,869	-20.0%	9,536	11,869	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	5,524,506	4,709,007	17.0%	2,456,996	2,043,123	2,663,466	2,258,317	3,224	2,868	400,819	404,699

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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 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014
New England	W	3.72	W	3.96	4.38	W	3.61
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.96	4.38	-9.6%	3.96	4.38	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.35	2.59	-9.3%	--	--	2.35	2.59
New Jersey	3.61	3.87	-6.7%	--	--	3.61	3.87
New York	2.87	2.99	-4.0%	--	--	2.87	2.99
Pennsylvania	2.30	2.52	-8.7%	--	--	2.30	2.52
East North Central	2.17	2.33	-6.9%	2.27	2.44	1.99	2.06
Illinois	1.89	1.98	-4.5%	2.00	2.05	1.87	1.98
Indiana	W	W	W	2.27	2.54	W	W
Michigan	W	W	W	2.36	2.54	W	W
Ohio	W	W	W	2.14	2.33	W	W
Wisconsin	2.27	2.37	-4.2%	2.27	2.37	--	--
West North Central	1.69	1.81	-6.6%	1.69	1.81	--	--
Iowa	1.62	1.64	-1.2%	1.62	1.64	--	--
Kansas	1.70	1.82	-6.6%	1.70	1.82	--	--
Minnesota	1.83	2.01	-9.0%	1.83	2.01	--	--
Missouri	1.88	2.01	-6.5%	1.88	2.01	--	--
Nebraska	1.33	1.42	-6.3%	1.33	1.42	--	--
North Dakota	1.45	1.68	-14.0%	1.45	1.68	--	--
South Dakota	2.34	2.04	15.0%	2.34	2.04	--	--
South Atlantic	2.90	3.10	-6.5%	2.95	3.20	2.63	2.66
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.05	3.34	W	W
Georgia	2.91	3.17	-8.2%	2.91	3.17	--	--
Maryland	2.77	2.94	-5.8%	--	--	2.77	2.94
North Carolina	3.50	3.55	-1.4%	3.50	3.55	--	--
South Carolina	3.52	3.61	-2.5%	3.52	3.61	--	--
Virginia	W	W	W	2.69	3.19	W	W
West Virginia	2.28	2.40	-5.0%	2.31	2.52	2.17	2.21
East South Central	W	W	W	2.35	2.58	W	W
Alabama	2.53	2.86	-12.0%	2.53	2.86	--	--
Kentucky	2.19	2.35	-6.8%	2.19	2.35	--	--
Mississippi	W	W	W	3.14	3.28	W	W
Tennessee	2.34	2.48	-5.6%	2.34	2.48	--	--
West South Central	2.10	2.07	1.4%	2.22	2.15	1.92	1.98
Arkansas	W	W	W	2.26	2.43	W	W
Louisiana	W	W	W	3.06	2.22	W	W
Oklahoma	W	W	W	1.95	1.98	W	W
Texas	2.01	2.01	0.0%	2.17	2.08	1.88	1.97
Mountain	W	W	W	1.94	2.03	W	W
Arizona	2.00	2.17	-7.8%	2.00	2.17	--	--
Colorado	1.83	2.03	-9.9%	1.83	2.03	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.78	2.50	W	W
New Mexico	2.34	2.28	2.6%	2.34	2.28	--	--
Utah	1.95	1.96	-0.5%	1.95	1.96	--	--
Wyoming	1.70	1.75	-2.9%	1.70	1.75	--	--
Pacific Contiguous	W	W	W	2.34	2.51	W	W
California	--	W	W	--	--	--	W
Oregon	2.34	2.51	-6.8%	2.34	2.51	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.20	2.36	-6.8%	2.24	2.40	2.09	2.23

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	3.60	3.54	1.7%	3.90	4.30	3.46	3.30
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.90	4.30	-9.3%	3.90	4.30	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.48	2.70	-8.1%	--	--	2.48	2.70
New Jersey	3.90	3.83	1.8%	--	--	3.90	3.83
New York	3.09	3.02	2.3%	--	--	3.09	3.02
Pennsylvania	2.42	2.63	-8.0%	--	--	2.42	2.63
East North Central	2.22	2.32	-4.3%	2.32	2.45	1.99	2.05
Illinois	1.93	1.98	-2.5%	2.01	2.07	1.92	1.97
Indiana	W	W	W	2.33	2.59	W	W
Michigan	W	W	W	2.50	2.61	W	W
Ohio	W	W	W	2.20	2.30	W	W
Wisconsin	2.33	2.33	0.0%	2.33	2.33	--	--
West North Central	1.74	1.78	-2.2%	1.74	1.78	--	--
Iowa	1.64	1.64	0.0%	1.64	1.64	--	--
Kansas	1.72	1.79	-3.9%	1.72	1.79	--	--
Minnesota	1.93	1.95	-1.0%	1.93	1.95	--	--
Missouri	1.92	2.00	-4.0%	1.92	2.00	--	--
Nebraska	1.36	1.40	-2.9%	1.36	1.40	--	--
North Dakota	1.54	1.54	0.0%	1.54	1.54	--	--
South Dakota	2.20	2.10	4.8%	2.20	2.10	--	--
South Atlantic	2.96	3.09	-4.2%	3.04	3.22	2.59	2.65
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.06	3.35	W	W
Georgia	2.98	3.13	-4.8%	2.98	3.13	--	--
Maryland	2.90	3.04	-4.6%	--	--	2.90	3.04
North Carolina	3.54	3.60	-1.7%	3.54	3.60	--	--
South Carolina	3.57	3.65	-2.2%	3.57	3.65	--	--
Virginia	W	W	W	2.92	3.22	W	W
West Virginia	2.34	2.43	-3.7%	2.41	2.62	2.19	2.16
East South Central	W	W	W	2.35	2.52	W	W
Alabama	2.47	2.74	-9.9%	2.47	2.74	--	--
Kentucky	W	2.36	W	2.25	2.36	W	--
Mississippi	W	W	W	3.25	3.35	W	W
Tennessee	2.40	2.46	-2.4%	2.40	2.46	--	--
West South Central	2.06	2.06	0.0%	2.16	2.17	1.94	1.94
Arkansas	W	W	W	2.26	2.38	W	W
Louisiana	W	W	W	2.62	2.48	W	W
Oklahoma	W	W	W	1.98	1.97	W	W
Texas	2.01	2.00	0.5%	2.13	2.13	1.92	1.92
Mountain	W	W	W	1.92	1.98	W	W
Arizona	2.03	2.12	-4.2%	2.03	2.12	--	--
Colorado	1.79	1.91	-6.3%	1.79	1.91	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.73	2.41	W	W
New Mexico	2.37	2.37	0.0%	2.37	2.37	--	--
Utah	1.95	2.05	-4.9%	1.95	2.05	--	--
Wyoming	1.63	1.58	3.2%	1.63	1.58	--	--
Pacific Contiguous	W	W	W	2.36	2.48	W	W
California	--	W	W	--	--	--	W
Oregon	2.36	2.48	-4.8%	2.36	2.48	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.24	2.35	-4.7%	2.27	2.38	2.16	2.27

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014
New England	13.37	W	W	15.97	21.10	13.11	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	21.09	W	W
New Hampshire	15.97	21.49	-26.0%	15.97	21.49	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	14.83	16.96	W	W
New Jersey	W	W	W	--	--	W	W
New York	14.50	W	W	14.83	16.96	12.87	W
Pennsylvania	13.45	21.87	-39.0%	--	--	13.45	21.87
East North Central	13.68	22.51	-39.0%	13.82	22.06	12.90	23.45
Illinois	W	W	W	14.13	22.09	W	W
Indiana	13.35	22.11	-40.0%	13.35	22.11	--	--
Michigan	13.02	21.92	-41.0%	13.02	21.92	--	--
Ohio	12.94	22.44	-42.0%	12.99	22.29	12.75	22.69
Wisconsin	W	W	W	31.61	21.27	W	W
West North Central	13.26	21.94	-40.0%	13.26	21.94	--	--
Iowa	12.96	21.95	-41.0%	12.96	21.95	--	--
Kansas	13.09	22.70	-42.0%	13.09	22.70	--	--
Minnesota	13.77	22.06	-38.0%	13.77	22.06	--	--
Missouri	13.41	21.52	-38.0%	13.41	21.52	--	--
Nebraska	--	21.98	--	--	21.98	--	--
North Dakota	13.29	22.13	-40.0%	13.29	22.13	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	22.48	W	9.28	22.53	W	21.96
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	13.50	22.82	W	W
Georgia	12.61	22.41	-44.0%	12.61	22.41	--	--
Maryland	10.43	21.32	-51.0%	--	--	10.43	21.32
North Carolina	13.10	21.97	-40.0%	13.10	21.97	--	--
South Carolina	15.73	22.10	-29.0%	15.73	22.10	--	--
Virginia	W	W	W	8.43	22.31	W	W
West Virginia	13.60	22.77	-40.0%	13.60	22.77	--	--
East South Central	11.10	21.31	-48.0%	11.10	21.31	--	--
Alabama	13.69	21.80	-37.0%	13.69	21.80	--	--
Kentucky	13.18	21.44	-39.0%	13.18	21.44	--	--
Mississippi	8.90	--	--	8.90	--	--	--
Tennessee	12.22	20.66	-41.0%	12.22	20.66	--	--
West South Central	12.06	20.94	-42.0%	12.46	21.61	11.59	20.76
Arkansas	W	W	W	11.90	--	W	W
Louisiana	W	W	W	13.32	--	W	W
Oklahoma	--	22.59	--	--	22.59	--	--
Texas	W	W	W	12.28	21.40	W	W
Mountain	W	W	W	16.99	23.89	W	W
Arizona	16.97	22.48	-25.0%	16.97	22.48	--	--
Colorado	--	22.01	--	--	22.01	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	W	W	W	15.98	23.76	W	W
New Mexico	19.59	25.73	-24.0%	19.59	25.73	--	--
Utah	12.81	22.98	-44.0%	12.81	22.98	--	--
Wyoming	12.39	24.80	-50.0%	12.39	24.80	--	--
Pacific Contiguous	W	W	W	16.49	--	W	W
California	--	--	--	--	--	--	--
Oregon	16.49	--	--	16.49	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	14.04	21.38	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	14.04	21.38	W	W
U.S. Total	12.56	21.37	-41.0%	12.49	21.28	12.81	21.58

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	W	W	W	11.45	20.10	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	14.37	19.92	-28.0%	22.01	21.51	14.26	19.78
New Hampshire	W	W	W	10.48	19.30	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.75	21.36	-40.0%	10.12	20.08	14.61	21.77
New Jersey	16.62	23.68	-30.0%	--	--	16.62	23.68
New York	12.38	20.53	-40.0%	10.12	20.08	14.75	20.77
Pennsylvania	14.03	23.31	-40.0%	--	--	14.03	23.31
East North Central	14.29	23.94	-40.0%	14.32	23.25	14.15	25.41
Illinois	W	W	W	14.68	23.21	W	W
Indiana	14.31	23.47	-39.0%	14.31	23.47	--	--
Michigan	13.58	22.51	-40.0%	13.58	22.51	--	--
Ohio	14.19	24.87	-43.0%	14.25	23.86	14.07	25.83
Wisconsin	W	W	W	16.78	22.17	W	W
West North Central	13.37	W	W	13.37	22.41	--	W
Iowa	13.46	22.29	-40.0%	13.46	22.29	--	--
Kansas	13.05	22.17	-41.0%	13.05	22.17	--	--
Minnesota	14.06	W	W	14.06	22.58	--	W
Missouri	13.46	22.32	-40.0%	13.46	22.32	--	--
Nebraska	--	22.19	--	--	22.19	--	--
North Dakota	13.33	23.13	-42.0%	13.33	23.13	--	--
South Dakota	12.44	22.70	-45.0%	12.44	22.70	--	--
South Atlantic	13.67	22.45	-39.0%	13.47	22.43	14.57	22.49
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	14.97	23.04	W	W
Georgia	17.31	W	W	19.28	23.35	14.11	W
Maryland	11.19	21.89	-49.0%	--	--	11.19	21.89
North Carolina	W	W	W	14.39	22.75	W	W
South Carolina	15.12	23.21	-35.0%	15.12	23.21	--	--
Virginia	12.66	22.00	-42.0%	11.64	21.67	17.43	23.76
West Virginia	14.76	W	W	14.76	24.11	--	W
East South Central	W	W	W	13.11	22.28	W	W
Alabama	W	W	W	13.51	21.99	W	W
Kentucky	14.13	22.58	-37.0%	14.13	22.58	--	--
Mississippi	10.48	21.90	-52.0%	10.48	21.90	--	--
Tennessee	12.90	22.19	-42.0%	12.90	22.19	--	--
West South Central	13.70	22.04	-38.0%	13.70	22.18	13.70	21.95
Arkansas	W	W	W	14.30	22.91	W	W
Louisiana	W	W	W	12.69	21.90	W	W
Oklahoma	15.19	22.37	-32.0%	15.19	22.37	--	--
Texas	W	W	W	14.36	21.97	W	W
Mountain	W	W	W	15.63	23.87	W	W
Arizona	14.65	23.46	-38.0%	14.65	23.46	--	--
Colorado	15.24	23.43	-35.0%	15.24	23.43	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	17.11	24.25	W	W
New Mexico	16.37	24.68	-34.0%	16.37	24.68	--	--
Utah	15.10	22.47	-33.0%	15.10	22.47	--	--
Wyoming	15.67	23.65	-34.0%	15.67	23.65	--	--
Pacific Contiguous	W	W	W	16.49	22.68	W	W
California	--	--	--	--	--	--	--
Oregon	16.49	22.68	-27.0%	16.49	22.68	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	11.97	21.14	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	11.97	21.14	W	W
U.S. Total	12.72	21.69	-41.0%	12.44	21.67	13.29	21.71

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.23	1.18	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	0.89	7.9%	0.96	0.89	--	--
Michigan	1.63	W	W	1.63	1.45	--	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.78	1.92	-7.3%	1.78	1.92	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.17	2.20	-1.4%	2.17	2.20	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.17	2.20	-1.4%	2.17	2.20	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.71	1.75	-2.3%	1.71	1.75	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.71	1.75	-2.3%	1.71	1.75	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.89	2.00	-5.5%	1.89	2.00	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.89	2.00	-5.5%	1.89	2.00	--	--
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	1.86	1.79	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) July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.36	1.23	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.94	0.99	-5.1%	0.94	0.99	--	--
Michigan	W	W	W	1.80	1.45	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.63	1.88	-13.0%	1.63	1.88	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.32	2.44	-4.9%	2.32	2.44	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.32	2.44	-4.9%	2.32	2.44	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.74	1.74	0.0%	1.74	1.74	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.74	1.74	0.0%	1.74	1.74	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.91	2.06	-7.3%	1.91	2.06	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.91	2.06	-7.3%	1.91	2.06	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.94	W	W	1.88	1.96	2.42	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, July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015	July 2014	Percentage Change	July 2015	July 2014	July 2015	July 2014
New England	2.50	3.83	-35.0%	3.28	4.08	2.49	3.83
Connecticut	2.42	3.62	-33.0%	--	--	2.42	3.62
Maine	W	W	W	--	--	W	W
Massachusetts	2.50	3.99	-37.0%	3.15	3.78	2.49	4.00
New Hampshire	W	W	W	3.90	4.88	W	W
Rhode Island	2.33	3.74	-38.0%	--	--	2.33	3.74
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.18	3.35	-35.0%	2.54	3.99	2.13	3.27
New Jersey	1.99	3.22	-38.0%	--	--	1.99	3.22
New York	2.49	3.85	-35.0%	2.54	3.99	2.47	3.80
Pennsylvania	1.95	2.83	-31.0%	--	--	1.95	2.83
East North Central	2.85	4.13	-31.0%	3.08	3.97	2.67	4.23
Illinois	W	W	W	3.57	5.30	W	W
Indiana	W	W	W	3.07	4.48	W	W
Michigan	3.22	5.02	-36.0%	3.59	5.32	3.09	4.92
Ohio	2.16	3.52	-39.0%	2.41	2.98	2.08	3.83
Wisconsin	W	4.81	W	3.21	5.00	W	4.60
West North Central	3.23	5.02	-36.0%	3.25	5.01	3.10	5.07
Iowa	2.90	5.13	-43.0%	2.90	5.13	--	--
Kansas	3.38	4.99	-32.0%	3.38	4.99	--	--
Minnesota	W	W	W	3.35	6.14	W	W
Missouri	W	W	W	3.24	4.84	W	W
Nebraska	3.53	4.68	-25.0%	3.53	4.68	--	--
North Dakota	2.92	4.32	-32.0%	2.92	4.32	--	--
South Dakota	3.56	3.33	6.9%	3.56	3.33	--	--
South Atlantic	3.79	4.98	-24.0%	3.93	5.06	2.91	4.46
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.33	W	W	4.35	5.26	3.07	W
Georgia	3.29	4.64	-29.0%	3.32	4.65	3.23	4.60
Maryland	3.58	4.52	-21.0%	--	--	3.58	4.52
North Carolina	W	5.28	W	4.07	5.30	W	5.24
South Carolina	W	W	W	3.52	4.53	W	W
Virginia	W	W	W	2.69	4.17	W	W
West Virginia	1.94	W	W	2.88	--	1.84	W
East South Central	3.03	4.39	-31.0%	3.01	4.41	3.08	4.36
Alabama	3.15	W	W	3.18	4.41	3.14	W
Kentucky	W	W	W	3.81	5.81	W	W
Mississippi	W	W	W	2.98	4.33	W	W
Tennessee	2.72	4.31	-37.0%	2.72	4.31	--	--
West South Central	3.02	4.38	-31.0%	3.16	4.58	2.92	4.26
Arkansas	W	W	W	3.25	12.34	W	W
Louisiana	W	4.43	W	3.36	4.46	W	4.36
Oklahoma	W	W	W	3.12	4.70	W	W
Texas	2.95	4.29	-31.0%	3.01	4.38	2.92	4.26
Mountain	3.34	4.96	-33.0%	3.33	5.09	3.35	4.57
Arizona	3.40	5.02	-32.0%	3.52	5.34	3.17	4.58
Colorado	W	W	W	3.21	4.83	W	W
Idaho	2.85	4.43	-36.0%	2.85	4.43	--	--
Montana	--	--	--	--	--	--	--
Nevada	3.28	W	W	3.28	5.34	--	W
New Mexico	3.71	4.59	-19.0%	3.71	4.59	--	--
Utah	W	W	W	2.97	4.63	W	W
Wyoming	5.12	6.38	-20.0%	5.12	6.38	--	--
Pacific Contiguous	3.24	4.79	-32.0%	3.38	4.90	3.11	4.67
California	3.42	4.93	-31.0%	3.77	5.12	3.21	4.77
Oregon	W	W	W	2.62	4.14	W	W
Washington	W	W	W	3.09	4.72	W	W
Pacific Noncontiguous	5.16	5.25	-1.7%	5.16	5.25	--	--
Alaska	5.16	5.25	-1.7%	5.16	5.25	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.12	4.44	-30.0%	3.46	4.83	2.71	4.03

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2015 YTD	July 2014 YTD	Percentage Change	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	5.02	8.08	-38.0%	4.49	6.29	5.03	8.10
Connecticut	5.40	8.07	-33.0%	--	--	5.40	8.07
Maine	W	W	W	--	--	W	W
Massachusetts	4.95	8.13	-39.0%	4.56	6.48	4.95	8.15
New Hampshire	W	W	W	3.91	5.69	W	W
Rhode Island	4.18	8.02	-48.0%	--	--	4.18	8.02
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.60	6.45	-44.0%	4.53	6.56	3.49	6.43
New Jersey	3.64	5.89	-38.0%	--	--	3.64	5.89
New York	4.09	6.57	-38.0%	4.53	6.56	3.93	6.57
Pennsylvania	3.05	6.61	-54.0%	--	--	3.05	6.61
East North Central	3.04	6.03	-50.0%	3.06	5.79	3.02	6.20
Illinois	W	W	W	4.05	6.36	W	W
Indiana	W	W	W	3.14	5.80	W	W
Michigan	3.39	7.92	-57.0%	3.47	8.18	3.36	7.82
Ohio	2.47	4.75	-48.0%	2.35	4.62	2.53	4.82
Wisconsin	3.42	5.98	-43.0%	3.52	6.18	3.28	5.79
West North Central	W	6.45	W	3.61	6.56	W	5.83
Iowa	3.28	9.11	-64.0%	3.28	9.11	--	--
Kansas	3.79	5.95	-36.0%	3.79	5.95	--	--
Minnesota	W	W	W	3.92	6.45	W	W
Missouri	W	W	W	3.40	5.98	W	W
Nebraska	3.59	6.25	-43.0%	3.59	6.25	--	--
North Dakota	2.82	4.49	-37.0%	2.82	4.49	--	--
South Dakota	3.18	5.74	-45.0%	3.18	5.74	--	--
South Atlantic	4.23	5.85	-28.0%	4.33	5.85	3.52	5.87
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.43	5.68	-22.0%	4.45	5.70	2.99	4.66
Georgia	3.39	5.35	-37.0%	3.40	5.36	3.36	5.32
Maryland	4.58	6.25	-27.0%	--	--	4.58	6.25
North Carolina	4.94	W	W	4.95	6.58	4.88	W
South Carolina	W	W	W	3.71	5.20	W	W
Virginia	3.95	7.11	-44.0%	4.50	7.71	2.36	6.15
West Virginia	W	W	W	2.99	6.27	W	W
East South Central	3.12	5.06	-38.0%	3.12	5.04	3.11	5.10
Alabama	3.17	5.04	-37.0%	3.18	4.92	3.17	5.12
Kentucky	W	W	W	3.94	5.96	W	W
Mississippi	W	W	W	3.05	4.94	W	W
Tennessee	2.89	4.96	-42.0%	2.89	4.96	--	--
West South Central	2.98	4.98	-40.0%	3.11	5.16	2.90	4.86
Arkansas	W	W	W	3.52	7.39	W	W
Louisiana	3.09	4.95	-38.0%	3.12	5.03	3.00	4.77
Oklahoma	W	W	W	3.16	5.49	W	W
Texas	2.94	4.88	-40.0%	3.04	4.99	2.90	4.84
Mountain	W	5.47	W	3.46	5.56	W	5.18
Arizona	3.54	5.58	-37.0%	3.79	6.05	2.98	4.86
Colorado	3.92	5.61	-30.0%	3.80	5.73	4.24	5.42
Idaho	2.96	W	W	2.96	5.91	--	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	3.33	5.52	W	W
New Mexico	3.29	5.15	-36.0%	3.29	5.15	--	--
Utah	W	W	W	3.06	4.99	W	W
Wyoming	5.13	7.10	-28.0%	5.13	7.10	--	--
Pacific Contiguous	3.32	5.41	-39.0%	3.59	5.56	3.07	5.28
California	3.45	5.46	-37.0%	3.80	5.71	3.18	5.28
Oregon	W	W	W	2.91	4.76	W	W
Washington	W	W	W	3.37	5.45	W	W
Pacific Noncontiguous	5.37	5.00	7.4%	5.37	5.00	--	--
Alaska	5.37	5.00	7.4%	5.37	5.00	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.53	5.67	-38.0%	3.74	5.60	3.29	5.75

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See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, July 2015

	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	107	1.55	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	4	0.71	8.1	0	--	--	0	--	--
Massachusetts	57	0.56	8.2	0	--	--	0	--	--
New Hampshire	46	2.63	7.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,973	3.07	10.9	30	0.21	4.6	0	--	--
New Jersey	56	1.89	8.1	0	--	--	0	--	--
New York	65	1.99	8.2	30	0.21	4.6	0	--	--
Pennsylvania	1,853	3.15	11.1	0	--	--	0	--	--
East North Central	6,238	3.08	10.0	8,659	0.25	4.9	0	--	--
Illinois	827	3.52	17.9	3,665	0.21	4.7	0	--	--
Indiana	2,483	2.93	9.0	241	0.28	5.1	0	--	--
Michigan	344	1.48	7.2	2,816	0.29	5.0	0	--	--
Ohio	2,467	3.39	9.3	0	--	--	0	--	--
Wisconsin	116	2.30	7.7	1,937	0.25	5.2	0	--	--
West North Central	128	3.46	9.0	9,327	0.27	5.2	2,107	0.91	10.2
Iowa	45	3.50	8.0	1,963	0.26	5.1	0	--	--
Kansas	25	3.42	13.6	1,312	0.29	5.1	0	--	--
Minnesota	0	--	--	1,367	0.35	6.1	0	--	--
Missouri	58	3.45	7.7	3,371	0.22	4.9	0	--	--
Nebraska	0	--	--	1,208	0.29	5.4	0	--	--
North Dakota	0	--	--	77	0.38	4.1	2,107	0.91	10.2
South Dakota	0	--	--	28	0.25	4.8	0	--	--
South Atlantic	8,132	2.16	10.1	932	0.31	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,731	2.08	8.9	0	--	--	0	--	--
Georgia	775	2.18	9.1	917	0.31	5.1	0	--	--
Maryland	581	2.13	9.7	15	0.19	4.6	0	--	--
North Carolina	1,099	1.66	10.1	0	--	--	0	--	--
South Carolina	1,037	1.66	9.3	0	--	--	0	--	--
Virginia	505	1.11	10.2	0	--	--	0	--	--
West Virginia	2,403	2.89	11.7	0	--	--	0	--	--
East South Central	4,298	2.48	9.2	1,949	0.25	5.2	330	0.42	13.3
Alabama	991	1.59	10.0	880	0.23	5.2	0	--	--
Kentucky	2,470	3.03	9.3	556	0.31	5.4	0	--	--
Mississippi	179	0.77	6.2	81	0.21	4.8	330	0.42	13.3
Tennessee	659	2.27	8.4	431	0.24	4.8	0	--	--
West South Central	61	1.95	22.6	7,949	0.27	5.2	4,021	0.96	16.4
Arkansas	5	0.76	9.2	1,291	0.25	5.2	0	--	--
Louisiana	9	3.30	8.2	661	0.29	5.2	424	0.65	15.2
Oklahoma	48	1.78	27.3	1,464	0.24	5.0	0	--	--
Texas	0	--	--	4,533	0.28	5.2	3,597	1.00	16.6
Mountain	2,689	0.63	13.9	6,684	0.52	9.4	0	--	--
Arizona	653	0.59	10.3	1,184	0.64	11.4	0	--	--
Colorado	307	0.52	10.7	1,430	0.31	5.3	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	901	0.68	9.8	0	--	--
Nevada	0	--	--	166	0.33	8.0	0	--	--
New Mexico	517	0.89	26.1	648	0.72	21.7	0	--	--
Utah	1,212	0.59	12.3	22	0.99	9.0	0	--	--
Wyoming	0	--	--	2,332	0.47	7.5	0	--	--
Pacific Contiguous	54	0.58	12.6	467	0.27	7.0	0	--	--
California	54	0.58	12.6	0	--	--	0	--	--
Oregon	0	--	--	179	0.24	4.5	0	--	--
Washington	0	--	--	287	0.30	8.6	0	--	--
Pacific Noncontiguous	61	0.41	10.8	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	0.41	10.8	0	--	--	0	--	--
U.S. Total	23,742	2.38	10.4	35,996	0.31	5.9	6,458	0.92	14.3

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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, July 2015

	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	46	2.63	7.6	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	46	2.63	7.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	3,877	2.89	8.7	5,314	0.27	5.0	0	--	--
Illinois	204	3.26	10.5	341	0.21	4.7	0	--	--
Indiana	2,224	2.88	8.8	241	0.28	5.1	0	--	--
Michigan	312	1.50	7.2	2,816	0.29	5.0	0	--	--
Ohio	1,059	3.30	8.7	0	--	--	0	--	--
Wisconsin	78	2.53	7.6	1,916	0.25	5.2	0	--	--
West North Central	79	3.47	9.6	9,245	0.27	5.2	2,107	0.91	10.2
Iowa	0	--	--	1,882	0.26	5.1	0	--	--
Kansas	25	3.42	13.6	1,312	0.29	5.1	0	--	--
Minnesota	0	--	--	1,367	0.35	6.1	0	--	--
Missouri	54	3.49	7.6	3,371	0.22	4.9	0	--	--
Nebraska	0	--	--	1,208	0.29	5.4	0	--	--
North Dakota	0	--	--	77	0.38	4.1	2,107	0.91	10.2
South Dakota	0	--	--	28	0.25	4.8	0	--	--
South Atlantic	6,736	2.10	9.9	917	0.31	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,630	2.14	8.8	0	--	--	0	--	--
Georgia	767	2.19	9.1	917	0.31	5.1	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,099	1.66	10.1	0	--	--	0	--	--
South Carolina	1,020	1.67	9.4	0	--	--	0	--	--
Virginia	406	1.10	10.4	0	--	--	0	--	--
West Virginia	1,814	2.75	11.2	0	--	--	0	--	--
East South Central	4,151	2.54	9.2	1,949	0.25	5.2	0	--	--
Alabama	991	1.59	10.0	880	0.23	5.2	0	--	--
Kentucky	2,470	3.03	9.3	556	0.31	5.4	0	--	--
Mississippi	159	0.50	6.0	81	0.21	4.8	0	--	--
Tennessee	531	2.64	8.7	431	0.24	4.8	0	--	--
West South Central	9	3.30	8.2	5,586	0.25	5.1	1,096	1.00	17.8
Arkansas	0	--	--	1,092	0.26	5.1	0	--	--
Louisiana	9	3.30	8.2	267	0.24	5.0	424	0.65	15.2
Oklahoma	0	--	--	1,436	0.24	5.0	0	--	--
Texas	0	--	--	2,791	0.26	5.2	673	1.25	19.6
Mountain	2,643	0.63	14.0	5,738	0.49	9.4	0	--	--
Arizona	653	0.59	10.3	1,184	0.64	11.4	0	--	--
Colorado	307	0.52	10.7	1,430	0.31	5.3	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	121	0.36	8.8	0	--	--
New Mexico	517	0.89	26.1	648	0.72	21.7	0	--	--
Utah	1,166	0.60	12.4	22	0.99	9.0	0	--	--
Wyoming	0	--	--	2,332	0.47	7.5	0	--	--
Pacific Contiguous	0	--	--	179	0.24	4.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	179	0.24	4.5	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	17,540	2.18	10.0	28,928	0.31	6.0	3,203	0.94	12.8

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, July 2015

	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	60	0.57	8.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	0.73	8.1	0	--	--	0	--	--
Massachusetts	57	0.56	8.2	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,931	3.10	10.9	30	0.21	4.6	0	--	--
New Jersey	56	1.89	8.1	0	--	--	0	--	--
New York	32	2.29	7.6	30	0.21	4.6	0	--	--
Pennsylvania	1,843	3.16	11.1	0	--	--	0	--	--
East North Central	2,178	3.44	12.4	3,275	0.21	4.7	0	--	--
Illinois	498	3.66	24.7	3,275	0.21	4.7	0	--	--
Indiana	260	3.32	10.6	0	--	--	0	--	--
Michigan	32	1.17	6.7	0	--	--	0	--	--
Ohio	1,389	3.45	9.8	0	--	--	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	1,273	2.56	11.1	15	0.19	4.6	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	101	1.26	10.7	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	557	2.14	9.3	15	0.19	4.6	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	69	0.85	9.7	0	--	--	0	--	--
West Virginia	546	3.50	13.3	0	--	--	0	--	--
East South Central	20	2.98	8.2	0	--	--	330	0.42	13.3
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	20	2.98	8.2	0	--	--	330	0.42	13.3
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	48	1.78	27.3	2,363	0.30	5.3	2,925	0.95	16.0
Arkansas	0	--	--	198	0.22	5.9	0	--	--
Louisiana	0	--	--	395	0.32	5.3	0	--	--
Oklahoma	48	1.78	27.3	28	0.21	5.0	0	--	--
Texas	0	--	--	1,742	0.30	5.2	2,925	0.95	16.0
Mountain	0	--	--	946	0.66	9.6	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	901	0.68	9.8	0	--	--
Nevada	0	--	--	45	0.25	5.8	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	287	0.30	8.6	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	287	0.30	8.6	0	--	--
Pacific Noncontiguous	61	0.41	10.8	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	0.41	10.8	0	--	--	0	--	--
U.S. Total	5,570	3.04	11.6	6,917	0.31	5.7	3,254	0.91	15.8

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, July 2015

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	1	2.80	8.0	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	1	2.80	8.0	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	4	2.99	8.9	0	0.31	3.9	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	0.31	3.9	0	--	--
Missouri	4	2.99	8.9	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	5	2.95	8.7	0	0.31	3.9	0	--	--

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

Notes:
Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, July 2015

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	1	0.68	8.0	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.68	8.0	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	42	1.68	9.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	33	1.67	8.7	0	--	--	0	--	--
Pennsylvania	10	1.70	13.4	0	--	--	0	--	--
East North Central	183	3.05	8.3	70	0.37	5.6	0	--	--
Illinois	126	3.50	8.0	49	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	19	2.76	10.6	0	--	--	0	--	--
Wisconsin	38	1.78	8.1	21	0.28	5.7	0	--	--
West North Central	45	3.50	8.0	82	0.22	4.4	0	--	--
Iowa	45	3.50	8.0	82	0.22	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	123	1.43	12.0	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	9	1.50	9.6	0	--	--	0	--	--
Maryland	25	1.88	21.9	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	17	0.71	7.0	0	--	--	0	--	--
Virginia	30	1.95	8.1	0	--	--	0	--	--
West Virginia	43	1.09	12.4	0	--	--	0	--	--
East South Central	128	0.87	7.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	128	0.87	7.4	0	--	--	0	--	--
West South Central	5	0.76	9.2	0	--	--	0	--	--
Arkansas	5	0.76	9.2	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	46	0.39	9.6	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	46	0.39	9.6	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	54	0.58	12.6	0	--	--	0	--	--
California	54	0.58	12.6	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	627	1.76	9.4	151	0.29	4.9	0	--	--

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

Notes:
Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 5.1. Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2005 - July 2015 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,394,889	1,344,192	978,354	7,625	3,725,060
2014	1,402,911	1,357,505	955,488	7,776	3,723,681
Year 2013					
January	131,793	107,982	80,260	664	320,699
February	113,121	101,278	76,438	659	291,496
March	112,103	104,390	80,103	644	297,240
April	95,546	101,885	79,734	630	277,795
May	95,198	109,406	84,184	627	289,415
June	117,990	118,244	83,348	638	320,221
July	143,877	128,323	85,904	649	358,753
August	138,073	128,001	86,868	645	353,587
Sept	121,427	119,169	82,273	626	323,495
October	98,899	112,547	82,349	591	294,386
November	97,909	103,822	79,202	574	281,507
December	128,952	109,145	77,693	679	316,468
Year 2014					
January	146,177	114,169	77,028	735	338,108
February	128,190	104,570	72,498	700	305,959
March	113,968	107,173	77,474	649	299,264
April	92,186	102,833	77,227	641	272,887
May	95,516	110,375	81,756	649	288,296
June	117,630	119,153	81,784	608	319,174
July	136,278	126,282	84,208	643	347,411
August	135,383	126,413	85,600	640	348,036
Sept	120,303	120,489	81,714	626	323,133
October	97,701	113,475	81,306	623	293,106
November	99,166	104,391	77,897	637	282,092
December	120,411	108,183	76,995	626	306,215
Year 2015					
January	136,798	111,284	76,946	653	325,682
February	123,940	105,504	74,110	675	304,229
March	116,698	107,999	76,733	678	302,108
April	89,825	104,385	77,326	623	272,159
May	94,922	109,819	80,356	611	285,707
June	119,949	119,898	82,641	606	323,094
July	145,414	129,387	84,087	673	359,562
Year to Date					
2013	809,629	771,508	569,971	4,510	2,155,618
2014	829,946	784,554	551,976	4,624	2,171,099
2015	827,546	788,276	552,199	4,518	2,172,539
Rolling 12 Months Ending in July					
2014	1,415,206	1,357,237	960,359	7,738	3,740,541
2015	1,400,511	1,361,228	955,712	7,671	3,725,122

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2013 and prior years are final. Values for 2015 and 2014 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.2. Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2005 - July 2015 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	169,109	138,228	66,908	805	375,049
2014	175,404	145,889	67,019	798	389,111
Year 2013					
January	15,092	10,550	5,203	70	30,916
February	13,157	10,190	5,078	70	28,495
March	13,011	10,457	5,303	66	28,837
April	11,392	10,146	5,226	65	26,829
May	11,812	11,216	5,641	66	28,735
June	14,797	12,639	5,971	69	33,476
July	18,204	13,791	6,320	71	38,386
August	17,286	13,716	6,326	69	37,397
Sept	15,186	12,583	5,873	68	33,710
October	12,219	11,607	5,587	62	29,475
November	11,839	10,465	5,226	60	27,591
December	15,113	10,867	5,153	69	31,201
Year 2014					
January	17,032	11,808	5,347	76	34,263
February	15,279	11,160	5,129	71	31,639
March	13,952	11,423	5,391	67	30,833
April	11,342	10,778	5,206	64	27,390
May	12,263	11,642	5,511	64	29,480
June	15,266	13,079	5,944	63	34,353
July	17,790	14,112	6,304	68	38,274
August	17,625	13,991	6,316	66	37,999
Sept	15,566	13,368	5,898	68	34,901
October	12,297	12,330	5,650	63	30,341
November	12,356	11,009	5,199	64	28,628
December	14,636	11,188	5,122	64	31,010
Year 2015					
January	16,555	11,461	5,091	70	33,177
February	15,231	11,199	5,101	73	31,605
March	14,409	11,425	5,206	70	31,110
April	11,351	10,777	5,068	61	27,257
May	12,291	11,466	5,344	59	29,160
June	15,510	13,027	5,767	62	34,366
July	18,881	14,312	6,137	70	39,400
Year to Date					
2013	97,466	78,989	38,743	476	215,674
2014	102,924	84,003	38,833	473	226,232
2015	104,227	83,666	37,716	466	226,075
Rolling 12 Months Ending in July					
2014	174,567	143,241	66,997	801	385,607
2015	176,707	145,553	65,902	792	388,954

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2013 and prior years are final. Values for 2015 and 2014 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.3. Average Price of Electricity to Ultimate Customers:
Total by End-Use Sector, 2005 - July 2015 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	10.28	6.84	10.55	10.07
2014	12.50	10.75	7.01	10.27	10.45
Year 2013					
January	11.45	9.77	6.48	10.53	9.64
February	11.63	10.06	6.64	10.56	9.78
March	11.61	10.02	6.62	10.25	9.70
April	11.92	9.96	6.55	10.28	9.66
May	12.41	10.25	6.70	10.50	9.93
June	12.54	10.69	7.16	10.76	10.45
July	12.65	10.75	7.36	10.97	10.70
August	12.52	10.72	7.28	10.77	10.58
Sept	12.51	10.56	7.14	10.88	10.42
October	12.36	10.31	6.78	10.46	10.01
November	12.09	10.08	6.60	10.49	9.80
December	11.72	9.96	6.63	10.20	9.86
Year 2014					
January	11.65	10.34	6.94	10.29	10.13
February	11.92	10.67	7.07	10.18	10.34
March	12.24	10.66	6.96	10.28	10.30
April	12.30	10.48	6.74	10.02	10.04
May	12.84	10.55	6.74	9.83	10.23
June	12.98	10.98	7.27	10.45	10.76
July	13.05	11.17	7.49	10.51	11.02
August	13.02	11.07	7.38	10.32	10.92
Sept	12.94	11.09	7.22	10.85	10.80
October	12.59	10.87	6.95	10.17	10.35
November	12.46	10.55	6.67	10.10	10.15
December	12.15	10.34	6.65	10.25	10.13
Year 2015					
January	12.10	10.30	6.62	10.67	10.19
February	12.29	10.62	6.88	10.87	10.39
March	12.35	10.58	6.79	10.26	10.30
April	12.64	10.32	6.55	9.87	10.02
May	12.95	10.44	6.65	9.74	10.21
June	12.93	10.87	6.98	10.20	10.64
July	12.98	11.06	7.30	10.47	10.96
Year to Date					
2013	12.04	10.24	6.80	10.55	10.01
2014	12.40	10.71	7.04	10.22	10.42
2015	12.59	10.61	6.83	10.31	10.41
Rolling 12 Months Ending in July					
2014	12.34	10.55	6.98	10.36	10.31
2015	12.62	10.69	6.90	10.32	10.44

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2013 and prior years are final. Values for 2015 and 2014 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2015 and 2014 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	4,350	4,519	4,929	4,921	1,591	1,616	46	48	10,916	11,103
Connecticut	1,207	1,231	1,229	1,218	307	289	15	16	2,757	2,754
Maine	381	410	365	383	286	270	0	0	1,032	1,063
Massachusetts	1,891	1,971	2,393	2,368	638	675	29	30	4,952	5,043
New Hampshire	374	398	400	406	172	174	0	0	946	978
Rhode Island	320	330	359	363	67	86	2	2	748	780
Vermont	177	180	183	184	121	122	0	0	481	485
Middle Atlantic	13,129	12,650	14,705	14,657	6,431	6,273	355	319	34,620	33,899
New Jersey	3,496	3,390	3,659	3,720	640	642	53	26	7,849	7,778
New York	4,847	4,586	7,099	7,007	1,509	1,508	234	232	13,690	13,333
Pennsylvania	4,785	4,673	3,947	3,931	4,282	4,123	68	62	13,082	12,789
East North Central	18,170	16,427	17,164	16,381	16,428	16,706	48	49	51,810	49,563
Illinois	4,751	4,221	4,688	4,449	3,742	3,825	44	45	13,225	12,540
Indiana	3,149	2,877	2,273	2,191	3,951	3,966	2	2	9,375	9,037
Michigan	3,332	2,921	3,627	3,415	2,424	2,698	0	0	9,383	9,033
Ohio	4,897	4,623	4,398	4,226	4,229	4,119	2	3	13,527	12,971
Wisconsin	2,041	1,785	2,178	2,099	2,081	2,097	0	0	6,300	5,982
West North Central	10,401	9,417	9,659	9,190	7,753	7,876	3	4	27,816	26,487
Iowa	1,418	1,232	1,122	1,069	1,720	1,730	0	0	4,260	4,030
Kansas	1,632	1,497	1,539	1,488	928	978	0	0	4,099	3,963
Minnesota	2,029	1,883	2,162	2,057	1,776	1,910	2	2	5,969	5,851
Missouri	3,596	3,244	3,018	2,842	1,425	1,417	2	2	8,040	7,505
Nebraska	1,000	893	897	856	1,083	1,101	0	0	2,979	2,850
North Dakota	345	315	495	470	578	508	0	0	1,417	1,293
South Dakota	381	353	428	408	243	233	0	0	1,052	994
South Atlantic	37,789	35,123	29,585	28,776	12,468	12,136	117	119	79,959	76,155
Delaware	485	477	380	406	226	195	0	0	1,091	1,077
District of Columbia	274	226	799	833	19	19	32	32	1,124	1,110
Florida	12,647	12,002	8,763	8,668	1,476	1,482	9	9	22,894	22,161
Georgia	6,439	5,769	4,664	4,372	2,863	2,847	15	15	13,980	13,002
Maryland	2,730	2,541	2,853	2,873	341	342	44	46	5,968	5,802
North Carolina	6,303	5,718	4,716	4,431	2,326	2,240	1	1	13,346	12,390
South Carolina	3,470	3,152	2,229	2,140	2,551	2,483	0	0	8,250	7,775
Virginia	4,535	4,329	4,494	4,361	1,555	1,496	16	17	10,601	10,202
West Virginia	906	910	687	693	1,111	1,032	0	0	2,705	2,636
East South Central	12,503	11,336	8,777	8,323	8,908	9,095	0	0	30,189	28,754
Alabama	3,575	3,206	2,275	2,142	3,084	3,080	0	0	8,934	8,429
Kentucky	2,623	2,392	1,803	1,723	2,495	2,613	0	0	6,921	6,728
Mississippi	2,020	1,860	1,378	1,309	1,437	1,473	0	0	4,835	4,642
Tennessee	4,285	3,878	3,323	3,149	1,892	1,928	0	0	9,500	8,955
West South Central	24,607	22,411	19,248	18,413	15,062	14,382	17	15	58,933	55,221
Arkansas	1,959	1,715	1,215	1,124	1,476	1,501	0	0	4,650	4,340
Louisiana	3,452	3,191	2,412	2,313	2,818	2,789	1	1	8,683	8,293
Oklahoma	2,749	2,401	1,968	1,814	1,510	1,483	0	0	6,227	5,698
Texas	16,447	15,104	13,653	13,162	9,257	8,609	16	14	39,373	36,889
Mountain	10,765	11,023	8,868	9,145	7,841	8,084	11	12	27,485	28,263
Arizona	4,234	4,361	2,924	3,072	1,360	1,242	1	0	8,517	8,675
Colorado	1,819	1,832	1,811	1,871	1,386	1,414	5	5	5,021	5,122
Idaho	704	741	557	565	1,142	1,231	0	0	2,403	2,537
Montana	393	352	432	422	399	363	0	0	1,225	1,137
Nevada	1,676	1,782	949	907	1,252	1,279	1	1	3,877	3,969
New Mexico	707	710	852	877	651	659	0	0	2,210	2,246
Utah	1,038	1,053	1,036	1,096	814	918	5	5	2,893	3,071
Wyoming	194	191	307	336	836	979	0	0	1,336	1,506
Pacific Contiguous	13,315	13,010	15,941	15,978	7,170	7,601	75	77	36,502	36,665
California	9,164	9,120	11,891	12,009	3,861	4,026	73	74	24,989	25,229
Oregon	1,584	1,489	1,442	1,491	1,114	1,143	2	2	4,143	4,125
Washington	2,567	2,401	2,608	2,477	2,194	2,433	0	0	7,370	7,311
Pacific Noncontiguous	385	363	511	498	436	439	0	0	1,333	1,300
Alaska	143	144	223	219	109	111	0	0	475	474
Hawaii	242	219	288	279	327	328	0	0	858	826
U.S. Total	145,414	136,278	129,387	126,282	84,087	84,208	673	643	359,562	347,411

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 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2015 and 2014 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	28,167	28,397	30,893	30,800	10,619	10,527	335	360	70,013	70,084
Connecticut	7,758	7,761	7,593	7,546	1,932	1,937	102	120	17,385	17,365
Maine	2,735	2,777	2,293	2,311	2,017	1,892	0	0	7,044	6,980
Massachusetts	11,898	12,040	15,051	15,000	4,268	4,223	215	224	31,432	31,487
New Hampshire	2,699	2,720	2,625	2,617	1,121	1,131	0	0	6,444	6,467
Rhode Island	1,823	1,829	2,157	2,144	465	539	17	17	4,461	4,529
Vermont	1,255	1,269	1,174	1,182	816	804	0	0	3,246	3,255
Middle Atlantic	80,485	79,364	92,549	92,060	42,105	42,342	2,319	2,364	217,457	216,130
New Jersey	17,377	16,662	22,612	22,429	4,206	4,314	207	188	44,402	43,593
New York	29,472	29,258	44,229	44,035	10,108	10,057	1,666	1,700	85,474	85,051
Pennsylvania	33,636	33,443	25,708	25,596	27,791	27,971	446	476	87,581	87,486
East North Central	110,065	112,453	107,661	106,979	110,989	112,323	358	399	329,074	332,155
Illinois	26,548	27,349	29,451	29,576	24,758	25,192	317	356	81,073	82,473
Indiana	19,885	20,320	14,189	14,128	26,550	26,907	13	12	60,637	61,368
Michigan	19,619	19,903	22,576	21,994	17,503	18,329	3	3	59,701	60,230
Ohio	31,616	31,944	27,723	27,542	28,461	28,212	26	27	87,826	87,726
Wisconsin	12,397	12,937	13,722	13,739	13,717	13,683	0	0	39,837	40,358
West North Central	60,829	63,525	59,492	59,828	51,094	50,529	27	27	171,442	173,910
Iowa	8,196	8,613	7,032	7,288	12,134	11,680	0	0	27,362	27,581
Kansas	7,933	8,091	9,002	9,013	6,505	6,439	0	0	23,440	23,543
Minnesota	12,716	13,442	13,621	13,729	11,989	12,173	15	13	38,340	39,358
Missouri	20,683	21,331	18,026	18,021	9,209	9,390	13	14	47,931	48,755
Nebraska	5,667	5,982	5,482	5,527	5,882	6,043	0	0	17,032	17,552
North Dakota	2,910	3,165	3,548	3,469	3,848	3,284	0	0	10,307	9,918
South Dakota	2,723	2,901	2,781	2,781	1,528	1,520	0	0	7,032	7,202
South Atlantic	215,131	210,377	180,262	177,720	83,309	81,695	775	794	479,477	470,586
Delaware	2,905	2,868	2,377	2,482	1,471	1,320	0	0	6,752	6,669
District of Columbia	1,447	1,274	4,875	5,045	185	138	185	192	6,691	6,648
Florida	69,215	66,274	53,864	52,898	9,773	9,808	56	56	132,908	129,036
Georgia	34,188	33,675	27,410	26,947	18,652	18,439	101	95	80,351	79,156
Maryland	17,042	16,848	17,742	17,700	2,193	2,211	308	327	37,286	37,087
North Carolina	35,719	35,256	27,991	27,551	15,864	15,492	5	5	79,580	78,304
South Carolina	18,454	18,424	12,778	12,708	17,117	16,868	0	0	48,350	48,000
Virginia	28,867	28,309	28,577	27,745	10,301	10,164	118	116	67,864	66,335
West Virginia	7,294	7,449	4,646	4,645	7,753	7,256	2	2	19,695	19,352
East South Central	72,722	72,942	51,651	51,439	60,148	60,354	0	1	184,523	184,735
Alabama	19,527	19,387	13,207	13,097	20,063	20,214	0	0	52,798	52,698
Kentucky	16,482	16,628	11,017	11,077	17,722	17,701	0	0	45,221	45,406
Mississippi	10,939	11,089	7,847	7,803	9,447	9,759	0	0	28,233	28,651
Tennessee	25,774	25,838	19,580	19,462	12,917	12,680	0	1	58,271	57,981
West South Central	124,561	123,502	112,019	110,219	95,177	95,426	108	106	331,866	329,253
Arkansas	10,919	10,963	6,892	6,783	9,150	9,563	0	NM	26,962	27,309
Louisiana	18,137	18,137	14,154	13,937	18,418	18,206	7	6	50,716	50,286
Oklahoma	13,570	13,667	11,570	11,356	9,866	9,675	0	0	35,005	34,697
Texas	81,935	80,735	79,404	78,144	57,743	57,982	101	100	219,183	216,960
Mountain	53,657	54,487	53,640	54,186	48,757	48,371	78	78	156,131	157,122
Arizona	18,255	18,404	16,674	17,234	8,251	7,728	4	0	43,184	43,366
Colorado	10,454	10,503	11,441	11,469	8,808	8,732	37	37	30,740	30,742
Idaho	4,663	4,842	3,576	3,547	5,345	5,568	0	0	13,584	13,956
Montana	2,863	2,988	2,877	2,876	2,502	2,367	0	0	8,242	8,232
Nevada	6,910	6,993	5,326	5,164	8,026	7,872	5	5	20,267	20,033
New Mexico	3,815	3,882	5,078	5,190	4,237	4,222	0	0	13,131	13,294
Utah	5,098	5,198	6,363	6,360	5,630	5,849	32	36	17,123	17,443
Wyoming	1,599	1,677	2,304	2,346	5,958	6,033	0	0	9,861	10,057
Pacific Contiguous	79,314	82,248	96,693	97,890	47,182	47,530	518	494	223,707	228,162
California	48,164	49,189	70,089	71,184	24,974	24,521	501	477	143,728	145,371
Oregon	10,753	11,166	9,296	9,359	7,096	6,909	14	14	27,159	27,448
Washington	20,397	21,893	17,308	17,347	15,112	16,100	3	3	52,820	55,343
Pacific Noncontiguous	2,614	2,651	3,417	3,431	2,818	2,879	0	0	8,849	8,961
Alaska	1,186	1,206	1,620	1,618	765	786	0	0	3,572	3,610
Hawaii	1,428	1,445	1,796	1,813	2,053	2,092	0	0	5,277	5,351
U.S. Total	827,546	829,946	788,276	784,554	552,199	551,976	4,518	4,624	2,172,539	2,171,099

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

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2015 and 2014 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	796	776	709	707	182	188	4	NM	1,691	1,675
Connecticut	246	240	183	182	37	37	2	2	469	461
Maine	59	63	45	45	21	22	0	0	125	130
Massachusetts	338	321	347	347	82	86	2	NM	770	756
New Hampshire	66	69	57	57	20	20	0	0	143	145
Rhode Island	56	52	50	49	8	10	0	0	115	112
Vermont	30	32	26	27	12	13	0	0	69	72
Middle Atlantic	2,175	2,144	2,026	2,051	472	463	42	41	4,715	4,698
New Jersey	585	560	508	505	73	75	6	3	1,172	1,143
New York	910	931	1,146	1,172	93	96	31	33	2,180	2,233
Pennsylvania	680	652	371	373	306	293	5	5	1,363	1,323
East North Central	2,406	2,148	1,737	1,642	1,181	1,174	3	3	5,327	4,967
Illinois	597	490	422	390	241	239	3	2	1,263	1,122
Indiana	351	336	216	217	265	276	0	0	833	828
Michigan	510	441	407	378	195	208	0	0	1,112	1,027
Ohio	650	621	446	421	308	281	0	0	1,405	1,324
Wisconsin	298	259	246	237	170	169	0	0	714	665
West North Central	1,317	1,178	983	922	597	578	0	0	2,897	2,678
Iowa	192	156	119	104	125	109	0	0	437	369
Kansas	201	191	157	158	71	76	0	0	429	425
Minnesota	265	246	220	208	137	140	0	0	622	594
Missouri	453	400	315	292	107	104	0	0	875	797
Nebraska	122	109	87	82	90	90	0	0	299	281
North Dakota	38	34	46	42	49	41	0	0	133	117
South Dakota	45	41	40	37	18	17	0	0	103	95
South Atlantic	4,629	4,248	2,886	2,803	902	864	10	11	8,428	7,926
Delaware	64	65	38	42	17	17	0	0	120	124
District of Columbia	37	27	95	97	2	2	3	NM	136	129
Florida	1,510	1,436	837	851	127	122	1	1	2,475	2,409
Georgia	855	724	528	456	227	208	1	1	1,612	1,390
Maryland	380	350	312	317	27	29	4	4	722	700
North Carolina	723	646	422	399	164	155	0	0	1,309	1,200
South Carolina	433	396	227	219	161	162	0	0	821	777
Virginia	529	519	368	369	109	109	1	1	1,007	998
West Virginia	97	85	60	54	69	61	0	0	225	200
East South Central	1,354	1,262	898	880	592	629	0	0	2,845	2,772
Alabama	426	381	250	235	210	213	0	0	885	830
Kentucky	261	248	165	163	142	157	0	0	568	568
Mississippi	226	216	143	143	102	109	0	0	470	469
Tennessee	442	417	341	339	138	149	0	0	921	905
West South Central	2,701	2,561	1,521	1,552	857	937	1	1	5,079	5,051
Arkansas	203	174	105	95	101	97	0	0	408	366
Louisiana	319	322	201	217	147	189	0	0	667	728
Oklahoma	274	252	160	161	86	92	0	0	521	505
Texas	1,904	1,813	1,055	1,079	523	560	1	1	3,483	3,452
Mountain	1,334	1,370	913	941	575	612	1	1	2,824	2,924
Arizona	543	547	336	331	95	93	0	0	973	971
Colorado	229	240	186	201	103	110	1	1	518	551
Idaho	75	79	45	47	82	89	0	0	202	214
Montana	45	38	44	41	23	21	0	0	112	100
Nevada	201	225	83	93	116	127	0	0	401	445
New Mexico	94	97	96	101	43	46	0	0	234	244
Utah	124	122	94	98	57	62	0	1	276	282
Wyoming	23	22	28	30	56	65	0	0	107	117
Pacific Contiguous	2,065	1,989	2,520	2,478	686	739	7	7	5,278	5,213
California	1,650	1,613	2,178	2,150	513	560	7	7	4,348	4,330
Oregon	175	161	129	132	71	72	0	0	376	365
Washington	240	215	213	196	101	107	0	0	554	518
Pacific Noncontiguous	103	114	120	136	94	119	0	0	317	369
Alaska	30	30	42	39	17	19	0	0	89	88
Hawaii	73	84	79	97	77	100	0	0	228	281
U.S. Total	18,881	17,790	14,312	14,112	6,137	6,304	70	68	39,400	38,274

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

Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2015 and 2014 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	5,648	5,013	4,881	4,586	1,303	1,276	39	31	11,871	10,907
Connecticut	1,687	1,510	1,248	1,184	255	256	11	14	3,201	2,964
Maine	434	418	309	300	186	184	0	0	928	903
Massachusetts	2,452	2,066	2,395	2,227	569	543	24	NM	5,441	4,851
New Hampshire	517	471	404	385	144	139	0	0	1,065	996
Rhode Island	346	324	355	317	67	70	3	2	771	714
Vermont	212	223	170	173	83	83	0	0	465	480
Middle Atlantic	12,878	13,085	12,208	12,749	3,158	3,367	276	290	28,519	29,492
New Jersey	2,770	2,638	2,957	3,044	469	529	22	20	6,217	6,232
New York	5,559	5,995	6,770	7,173	658	672	219	233	13,205	14,073
Pennsylvania	4,549	4,452	2,481	2,532	2,031	2,166	35	38	9,097	9,187
East North Central	14,013	13,814	10,643	10,539	7,637	7,792	25	23	32,319	32,168
Illinois	3,283	3,018	2,615	2,578	1,566	1,605	22	19	7,485	7,220
Indiana	2,202	2,253	1,364	1,377	1,782	1,836	1	1	5,350	5,468
Michigan	2,788	2,881	2,395	2,406	1,264	1,425	0	0	6,448	6,712
Ohio	3,963	3,876	2,758	2,682	1,957	1,879	2	2	8,680	8,439
Wisconsin	1,778	1,786	1,512	1,496	1,067	1,048	0	0	4,356	4,330
West North Central	6,889	7,006	5,485	5,473	3,496	3,396	2	2	15,873	15,876
Iowa	966	967	637	635	721	669	0	0	2,324	2,271
Kansas	971	972	903	900	482	478	0	0	2,355	2,350
Minnesota	1,551	1,622	1,295	1,328	849	865	1	1	3,696	3,816
Missouri	2,230	2,248	1,608	1,593	567	580	1	1	4,406	4,422
Nebraska	600	609	488	480	446	446	0	0	1,533	1,536
North Dakota	279	288	309	295	321	250	0	0	909	832
South Dakota	293	299	246	242	111	107	0	0	650	648
South Atlantic	25,249	24,587	17,284	17,335	5,482	5,549	65	69	48,080	47,540
Delaware	394	374	251	271	123	118	0	0	769	764
District of Columbia	191	164	598	627	16	12	18	19	823	822
Florida	8,166	7,892	5,245	5,259	816	791	5	5	14,232	13,947
Georgia	3,948	3,915	2,728	2,807	1,095	1,215	5	6	7,776	7,943
Maryland	2,325	2,299	1,975	2,028	194	209	27	29	4,520	4,565
North Carolina	3,982	3,910	2,425	2,434	1,015	1,005	0	0	7,422	7,349
South Carolina	2,278	2,252	1,293	1,294	1,027	1,067	0	0	4,597	4,613
Virginia	3,255	3,090	2,378	2,243	726	698	10	10	6,368	6,040
West Virginia	710	693	391	372	470	433	0	0	1,573	1,497
East South Central	7,787	7,836	5,307	5,359	3,599	3,805	0	0	16,692	17,001
Alabama	2,287	2,231	1,452	1,424	1,232	1,264	0	0	4,971	4,919
Kentucky	1,629	1,670	1,016	1,040	942	1,032	0	0	3,587	3,742
Mississippi	1,249	1,249	852	848	629	659	0	0	2,730	2,756
Tennessee	2,622	2,686	1,988	2,048	795	849	0	0	5,405	5,583
West South Central	13,678	13,547	8,915	9,114	5,322	5,766	6	6	27,921	28,433
Arkansas	1,051	1,019	564	541	552	562	0	NM	2,167	2,121
Louisiana	1,651	1,722	1,219	1,291	989	1,127	1	1	3,859	4,140
Oklahoma	1,340	1,347	865	906	522	544	0	0	2,727	2,797
Texas	9,636	9,460	6,267	6,376	3,259	3,534	5	5	19,168	19,375
Mountain	6,381	6,361	5,247	5,231	3,205	3,215	8	8	14,840	14,815
Arizona	2,236	2,211	1,745	1,728	527	519	0	0	4,509	4,458
Colorado	1,253	1,284	1,119	1,171	623	641	4	4	2,999	3,100
Idaho	468	466	283	275	358	358	0	0	1,109	1,099
Montana	313	303	297	273	133	129	0	0	743	705
Nevada	895	897	505	497	540	541	0	0	1,940	1,935
New Mexico	482	473	534	533	271	277	0	0	1,286	1,283
Utah	560	554	555	547	350	353	3	4	1,468	1,457
Wyoming	173	173	210	207	404	397	0	0	787	778
Pacific Contiguous	11,026	10,893	12,910	12,708	3,912	3,899	45	43	27,893	27,543
California	8,092	7,819	10,690	10,505	2,817	2,793	43	41	21,642	21,159
Oregon	1,145	1,160	826	826	430	419	1	1	2,402	2,406
Washington	1,790	1,914	1,393	1,377	665	686	0	0	3,849	3,978
Pacific Noncontiguous	679	781	786	910	602	767	0	0	2,066	2,457
Alaska	237	231	288	277	114	124	0	0	639	633
Hawaii	442	550	498	632	488	643	0	0	1,428	1,824
U.S. Total	104,227	102,924	83,666	84,003	37,716	38,833	466	473	226,075	226,232

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

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, July 2015 and 2014 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	18.30	17.18	14.38	14.36	11.41	11.65	9.64	NM	15.49	15.09
Connecticut	20.40	19.46	14.92	14.95	12.19	12.92	10.62	10.06	16.99	16.73
Maine	15.42	15.31	12.32	11.82	7.50	8.13	--	--	12.13	12.23
Massachusetts	17.87	16.29	14.50	14.64	12.87	12.73	8.50	NM	15.54	14.98
New Hampshire	17.76	17.23	14.20	13.95	11.74	11.52	--	--	15.16	14.86
Rhode Island	17.59	15.85	14.00	13.54	11.96	12.12	18.15	15.08	15.37	14.36
Vermont	17.07	17.93	14.41	14.73	10.25	10.28	--	--	14.34	14.79
Middle Atlantic	16.56	16.95	13.78	13.99	7.34	7.38	11.97	12.70	13.62	13.86
New Jersey	16.74	16.52	13.89	13.59	11.38	11.62	11.06	10.62	14.94	14.69
New York	18.76	20.31	16.15	16.73	6.15	6.37	13.45	14.33	15.92	16.75
Pennsylvania	14.21	13.96	9.41	9.49	7.15	7.10	7.56	7.44	10.42	10.34
East North Central	13.24	13.08	10.12	10.02	7.19	7.03	6.99	5.32	10.28	10.02
Illinois	12.56	11.62	9.00	8.77	6.44	6.25	6.74	4.98	9.55	8.95
Indiana	11.15	11.67	9.50	9.88	6.72	6.95	9.98	9.82	8.88	9.17
Michigan	15.30	15.11	11.22	11.06	8.06	7.73	11.33	--	11.85	11.37
Ohio	13.28	13.44	10.14	9.96	7.29	6.83	8.81	8.56	10.39	10.21
Wisconsin	14.62	14.53	11.29	11.27	8.18	8.07	--	--	11.34	11.12
West North Central	12.66	12.51	10.17	10.03	7.70	7.34	10.89	10.62	10.42	10.11
Iowa	13.57	12.70	10.61	9.71	7.29	6.29	--	--	10.25	9.16
Kansas	12.33	12.74	10.22	10.59	7.65	7.81	--	--	10.48	10.72
Minnesota	13.07	13.06	10.16	10.10	7.69	7.32	10.07	10.11	10.41	10.15
Missouri	12.59	12.34	10.43	10.26	7.51	7.37	11.88	11.30	10.88	10.62
Nebraska	12.20	12.25	9.66	9.57	8.34	8.19	--	--	10.03	9.88
North Dakota	11.16	10.96	9.27	8.90	8.40	8.10	--	--	9.38	9.08
South Dakota	11.76	11.58	9.30	9.10	7.56	7.36	--	--	9.79	9.57
South Atlantic	12.25	12.09	9.76	9.74	7.23	7.12	8.84	8.90	10.54	10.41
Delaware	13.23	13.63	10.07	10.35	7.62	8.66	--	--	10.97	11.50
District of Columbia	13.47	12.17	11.85	11.63	8.83	8.15	8.97	NM	12.11	11.63
Florida	11.94	11.96	9.56	9.81	8.58	8.21	8.66	8.77	10.81	10.87
Georgia	13.28	12.55	11.31	10.44	7.94	7.32	9.94	7.95	11.53	10.69
Maryland	13.92	13.77	10.92	11.04	7.91	8.37	8.73	8.81	12.11	12.06
North Carolina	11.47	11.29	8.95	9.00	7.05	6.92	7.92	7.70	9.81	9.68
South Carolina	12.49	12.55	10.18	10.23	6.29	6.53	--	--	9.95	9.99
Virginia	11.66	11.98	8.19	8.47	7.00	7.28	8.06	8.22	9.50	9.79
West Virginia	10.71	9.38	8.67	7.72	6.18	5.91	9.75	6.70	8.33	7.58
East South Central	10.83	11.14	10.23	10.58	6.65	6.92	8.32	9.15	9.42	9.64
Alabama	11.90	11.88	10.98	10.98	6.82	6.93	--	--	9.91	9.84
Kentucky	9.96	10.35	9.14	9.47	5.68	6.02	--	--	8.20	8.44
Mississippi	11.16	11.63	10.37	10.95	7.10	7.43	--	--	9.73	10.10
Tennessee	10.32	10.76	10.25	10.76	7.31	7.74	8.32	9.15	9.70	10.11
West South Central	10.98	11.43	7.90	8.43	5.69	6.52	5.53	5.44	8.62	9.15
Arkansas	10.38	10.17	8.60	8.42	6.81	6.45	10.80	10.25	8.78	8.43
Louisiana	9.24	10.10	8.34	9.38	5.20	6.78	8.22	9.92	7.68	8.78
Oklahoma	9.98	10.50	8.14	8.87	5.72	6.20	--	--	8.36	8.86
Texas	11.58	12.00	7.73	8.20	5.65	6.50	5.33	5.12	8.85	9.36
Mountain	12.39	12.42	10.30	10.29	7.34	7.57	10.12	10.69	10.27	10.34
Arizona	12.83	12.54	11.48	10.78	6.97	7.48	11.21	--	11.43	11.19
Colorado	12.60	13.09	10.26	10.75	7.42	7.75	10.05	10.73	10.32	10.76
Idaho	10.67	10.63	8.08	8.26	7.17	7.19	--	--	8.41	8.43
Montana	11.42	10.82	10.16	9.63	5.85	5.75	--	--	9.16	8.76
Nevada	12.01	12.65	8.80	10.22	9.28	9.91	9.84	10.81	10.35	11.21
New Mexico	13.32	13.63	11.30	11.51	6.62	7.04	--	--	10.57	10.87
Utah	11.94	11.61	9.11	8.91	7.02	6.72	10.11	10.64	9.54	9.18
Wyoming	11.62	11.27	9.25	9.01	6.70	6.67	--	--	8.00	7.77
Pacific Contiguous	15.51	15.29	15.81	15.51	9.57	9.72	9.79	9.52	14.46	14.22
California	18.00	17.68	18.31	17.90	13.30	13.91	9.82	9.54	17.40	17.16
Oregon	11.06	10.83	8.94	8.83	6.41	6.30	9.12	9.24	9.07	8.85
Washington	9.34	8.96	8.16	7.93	4.61	4.40	8.58	7.81	7.52	7.09
Pacific Noncontiguous	26.79	31.35	23.53	27.38	21.47	27.12	--	--	23.80	28.40
Alaska	21.27	20.59	18.66	17.95	15.48	16.97	--	--	18.72	18.52
Hawaii	30.04	38.42	27.30	34.79	23.46	30.57	--	--	26.61	34.07
U.S. Total	12.98	13.05	11.06	11.17	7.30	7.49	10.47	10.51	10.96	11.02

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

Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2015 and 2014 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD	July 2015 YTD	July 2014 YTD
New England	20.05	17.65	15.80	14.89	12.27	12.12	11.52	8.75	16.96	15.56
Connecticut	21.74	19.46	16.44	15.69	13.19	13.23	10.78	11.58	18.41	17.07
Maine	15.87	15.07	13.47	12.98	9.20	9.74	--	--	13.18	12.93
Massachusetts	20.61	17.16	15.91	14.85	13.34	12.87	11.37	NM	17.31	15.41
New Hampshire	19.14	17.33	15.40	14.71	12.82	12.31	--	--	16.52	15.39
Rhode Island	18.98	17.72	16.47	14.79	14.40	13.03	17.92	14.62	17.29	15.76
Vermont	16.92	17.60	14.46	14.67	10.14	10.29	--	--	14.32	14.73
Middle Atlantic	16.00	16.49	13.19	13.85	7.50	7.95	11.89	12.28	13.11	13.65
New Jersey	15.94	15.83	13.08	13.57	11.15	12.26	10.52	10.79	14.00	14.29
New York	18.86	20.49	15.31	16.29	6.51	6.69	13.12	13.67	15.45	16.55
Pennsylvania	13.52	13.31	9.65	9.89	7.31	7.74	7.92	7.91	10.39	10.50
East North Central	12.73	12.28	9.89	9.85	6.88	6.94	7.07	5.79	9.82	9.68
Illinois	12.37	11.04	8.88	8.71	6.32	6.37	6.84	5.44	9.23	8.75
Indiana	11.07	11.09	9.62	9.75	6.71	6.82	10.09	9.97	8.82	8.91
Michigan	14.21	14.48	10.61	10.94	7.22	7.77	11.36	13.50	10.80	11.14
Ohio	12.53	12.13	9.95	9.74	6.88	6.66	8.07	7.60	9.88	9.62
Wisconsin	14.34	13.81	11.02	10.89	7.78	7.66	--	--	10.93	10.73
West North Central	11.33	11.03	9.22	9.15	6.84	6.72	8.77	8.47	9.26	9.13
Iowa	11.79	11.23	9.06	8.71	5.94	5.73	--	--	8.49	8.23
Kansas	12.24	12.02	10.03	9.98	7.41	7.42	--	--	10.05	9.98
Minnesota	12.20	12.06	9.51	9.67	7.08	7.11	9.49	9.91	9.64	9.70
Missouri	10.78	10.54	8.92	8.84	6.16	6.18	7.92	7.09	9.19	9.07
Nebraska	10.58	10.19	8.89	8.69	7.58	7.39	--	--	9.00	8.75
North Dakota	9.58	9.10	8.72	8.50	8.34	7.60	--	--	8.82	8.39
South Dakota	10.75	10.30	8.85	8.71	7.26	7.06	--	--	9.24	9.00
South Atlantic	11.74	11.69	9.59	9.75	6.58	6.79	8.44	8.64	10.03	10.10
Delaware	13.56	13.05	10.57	10.93	8.39	8.98	--	--	11.38	11.46
District of Columbia	13.20	12.88	12.27	12.44	8.71	8.42	9.56	9.83	12.30	12.36
Florida	11.80	11.91	9.74	9.94	8.35	8.07	8.90	9.15	10.71	10.81
Georgia	11.55	11.63	9.95	10.42	5.87	6.59	5.32	6.32	9.68	10.03
Maryland	13.64	13.65	11.13	11.46	8.84	9.47	8.76	8.71	12.12	12.31
North Carolina	11.15	11.09	8.66	8.83	6.40	6.49	7.89	7.95	9.33	9.39
South Carolina	12.34	12.22	10.12	10.19	6.00	6.33	--	--	9.51	9.61
Virginia	11.28	10.91	8.32	8.08	7.04	6.87	8.33	8.16	9.38	9.10
West Virginia	9.74	9.30	8.43	8.00	6.07	5.97	8.83	9.41	7.98	7.74
East South Central	10.71	10.74	10.27	10.42	5.98	6.30	8.34	13.19	9.05	9.20
Alabama	11.71	11.51	10.99	10.87	6.14	6.25	--	--	9.42	9.33
Kentucky	9.88	10.04	9.22	9.39	5.32	5.83	--	--	7.93	8.24
Mississippi	11.42	11.27	10.85	10.87	6.66	6.75	--	--	9.67	9.62
Tennessee	10.17	10.40	10.15	10.52	6.16	6.70	8.34	13.19	9.28	9.63
West South Central	10.98	10.97	7.96	8.27	5.59	6.04	5.55	5.39	8.41	8.64
Arkansas	9.63	9.29	8.18	7.97	6.04	5.88	10.83	NM	8.04	7.77
Louisiana	9.10	9.49	8.61	9.26	5.37	6.19	8.43	9.57	7.61	8.23
Oklahoma	9.88	9.85	7.48	7.98	5.29	5.62	--	--	7.79	8.06
Texas	11.76	11.72	7.89	8.16	5.64	6.09	5.34	5.10	8.75	8.93
Mountain	11.89	11.67	9.78	9.65	6.57	6.65	10.00	10.41	9.50	9.43
Arizona	12.25	12.01	10.47	10.03	6.38	6.72	9.03	--	10.44	10.28
Colorado	11.99	12.23	9.78	10.21	7.07	7.34	10.17	10.85	9.75	10.08
Idaho	10.05	9.62	7.91	7.75	6.69	6.43	--	--	8.16	7.87
Montana	10.93	10.13	10.32	9.49	5.32	5.47	--	--	9.02	8.56
Nevada	12.96	12.82	9.47	9.63	6.72	6.87	9.08	9.00	9.57	9.66
New Mexico	12.62	12.20	10.51	10.27	6.39	6.55	--	--	9.79	9.65
Utah	10.98	10.66	8.72	8.59	6.22	6.03	10.05	10.14	8.57	8.35
Wyoming	10.84	10.31	9.10	8.84	6.78	6.59	--	--	7.98	7.73
Pacific Contiguous	13.90	13.24	13.35	12.98	8.29	8.20	8.59	8.64	12.47	12.07
California	16.80	15.90	15.25	14.76	11.28	11.39	8.58	8.62	15.06	14.55
Oregon	10.65	10.39	8.89	8.83	6.06	6.06	9.18	9.17	8.85	8.77
Washington	8.78	8.74	8.05	7.94	4.40	4.26	8.65	8.40	7.29	7.19
Pacific Noncontiguous	25.96	29.46	23.01	26.51	21.35	26.64	--	--	23.35	27.42
Alaska	19.97	19.19	17.76	17.14	14.91	15.78	--	--	17.88	17.53
Hawaii	30.93	38.03	27.75	34.87	23.75	30.72	--	--	27.05	34.10
U.S. Total	12.59	12.40	10.61	10.71	6.83	7.04	10.31	10.22	10.41	10.42

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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 6.1. Electric Generating Summer Capacity Changes (MW) for Utility Scale Units, June 2015 to July 2015

	As of End of June 2015	Activity During July 2015 as Reported to EIA		As of End of July 2015	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		Planned Total Net Summer	
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)	66,428.7	302.6	22.3	66,709.0	280.3	1,858.9	5,551.3	743.5	7,080.4	0.0	25.3	743.5	7,055.1	67,452.5	73,764.1
..... *Solar Photovoltaic*	*9,558.7*	*111.3*	*1.0*	*9,669.0*	*110.3*	*1,300.3*	*3,075.5*	*288.7*	*4,882.0*	*0.0*	*0.0*	*288.7*	*4,882.0*	*9,957.7*	*14,551.0*
..... *Solar Thermal without Energy Storage*	*1,371.3*	*0.0*	*0.0*	*1,371.3*	*0.0*	*8.8*	*255.3*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,371.3*	*1,371.3*
..... *Solar Thermal with Energy Storage*	*295.4*	*0.0*	*0.0*	*295.4*	*0.0*	*0.0*	*0.0*	*0.0*	*113.0*	*0.0*	*0.0*	*0.0*	*113.0*	*295.4*	*408.4*
..... Solar Subtotal	11,225.4	111.3	1.0	11,335.7	110.3	1,309.1	3,330.8	288.7	4,995.0	0.0	0.0	288.7	4,995.0	11,624.4	16,330.7
..... Conventional Hydroelectric	79,802.1	7.0	0.0	79,809.1	7.0	576.5	472.5	29.3	417.4	103.8	115.4	-74.5	302.0	79,734.6	80,111.1
..... *Wood/Wood Waste Biomass*	*8,393.1*	*0.0*	*0.0*	*8,393.1*	*0.0*	*62.8*	*109.3*	*0.0*	*133.8*	*0.0*	*26.0*	*0.0*	*107.8*	*8,393.1*	*8,500.9*
..... *Landfill Gas*	*2,120.4*	*0.0*	*9.9*	*2,110.5*	*-9.9*	*41.4*	*79.0*	*0.0*	*41.6*	*0.0*	*10.0*	*0.0*	*31.6*	*2,110.5*	*2,142.1*
..... *Municipal Solid Waste*	*2,228.6*	*86.5*	*8.4*	*2,306.7*	*78.1*	*76.0*	*79.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,306.7*	*2,306.7*
..... *Other Waste Biomass*	*834.0*	*3.3*	*1.6*	*835.7*	*1.7*	*18.7*	*23.5*	*2.8*	*26.3*	*0.0*	*1.2*	*2.8*	*25.1*	*838.5*	*860.8*
..... Biomass Sources Subtotal	13,576.1	89.8	19.9	13,646.0	69.9	198.9	290.8	2.8	201.7	0.0	37.2	2.8	164.5	13,648.8	13,810.5
..... Geothermal	2,544.3	0.0	0.0	2,544.3	0.0	-62.7	-62.7	1.8	1.8	0.0	0.0	1.8	1.8	2,546.1	2,546.1
... Renewable Sources Subtotal	***173,576.6***	***510.7***	***43.2***	***174,044.1***	***467.5***	***3,880.7***	***9,582.7***	***1,066.1***	***12,696.3***	***103.8***	***177.9***	***962.3***	***12,518.4***	***175,006.4***	***186,562.5***
..... *Natural Gas Fired Combined Cycle*	*231,003.9*	*108.6*	*188.3*	*230,924.2*	*-79.7*	*1,373.2*	*6,114.4*	*0.0*	*7,446.7*	*0.0*	*0.0*	*0.0*	*7,446.7*	*230,924.2*	*238,370.9*
..... *Natural Gas Fired Combustion Turbine*	*124,586.1*	*13.3*	*22.6*	*124,576.8*	*-9.3*	*-73.7*	*4.3*	*407.0*	*2,119.9*	*40.5*	*103.7*	*366.5*	*2,016.2*	*124,943.3*	*126,593.0*
..... *Natural Gas Steam Turbine*	*75,700.6*	*178.0*	*152.0*	*75,726.6*	*26.0*	*75,726.6*	*75,726.6*	*0.0*	*0.0*	*0.0*	*1,084.7*	*0.0*	*-1,084.7*	*75,726.6*	*74,641.9*
..... *Natural Gas Internal Combustion Engine*	*3,534.5*	*14.9*	*0.0*	*3,549.4*	*14.9*	*3,549.4*	*3,549.4*	*1.5*	*635.3*	*0.9*	*4.2*	*0.6*	*631.1*	*3,550.0*	*4,180.5*
..... *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*	*98.3*	*1.2*	*0.0*	*99.5*	*1.2*	*-77,715.1*	*-77,555.7*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*99.5*	*99.5*
..... Natural Gas Subtotal	435,033.4	316.0	362.9	434,986.5	-46.9	2,860.4	7,839.0	408.5	10,201.9	41.4	1,192.6	367.1	9,009.3	435,353.6	443,995.8
..... *Conventional Steam Coal*	*287,967.7*	*15.4*	*411.3*	*287,571.8*	*-395.9*	*-11,621.9*	*-13,120.7*	*0.0*	*51.2*	*1,535.0*	*8,812.4*	*-1,535.0*	*-8,761.2*	*286,036.8*	*278,810.6*
..... *Coal Integrated Gasification Combined Cycle*	*791.0*	*0.0*	*0.0*	*791.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*791.0*	*791.0*
..... Coal Subtotal	288,758.7	15.4	411.3	288,362.8	-395.9	-11,621.9	-13,120.7	0.0	51.2	1,535.0	8,812.4	-1,535.0	-8,761.2	286,827.8	279,601.6
..... Petroleum Coke	2,190.2	0.0	0.0	2,190.2	0.0	-129.5	-146.5	0.0	0.0	0.0	0.0	0.0	0.0	2,190.2	2,190.2
..... Petroleum Liquids	38,290.8	16.0	189.0	38,117.8	-173.0	-2,359.9	-2,352.3	0.6	12.1	4.7	134.5	-4.1	-122.4	38,113.7	37,995.4
..... Other Gases	1,914.3	0.0	0.0	1,914.3	0.0	-153.5	-193.5	0.0	0.0	0.0	3.2	0.0	-3.2	1,914.3	1,911.1
... Fossil Fuels Subtotal	***766,187.4***	***347.4***	***963.2***	***765,571.6***	***-615.8***	***-11,404.4***	***-7,974.0***	***409.1***	***10,265.2***	***1,581.1***	***10,142.7***	***-1,172.0***	***122.5***	***764,399.6***	***765,694.1***
..... Hydroelectric Pumped Storage	22,558.1	0.0	0.0	22,558.1	0.0	146.8	146.8	0.0	152.0	0.0	0.0	0.0	152.0	22,558.1	22,710.1
..... 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	154.1	35.5	0.0	189.6	35.5	40.0	40.0	2.5	81.1	0.0	0.0	2.5	81.1	192.1	270.7
... Energy Storage Subtotal	***22,755.2***	***35.5***	***0.0***	***22,790.7***	***35.5***	***186.8***	***186.8***	***2.5***	***233.1***	***0.0***	***0.0***	***2.5***	***233.1***	***22,793.2***	***23,023.8***
... Nuclear	***98,708.1***	***0.0***	***0.0***	***98,708.1***	***0.0***	***87.2***	***-517.1***	***0.0***	***1,122.0***	***0.0***	***0.0***	***0.0***	***1,122.0***	***98,708.1***	***99,830.1***
... All Other	***2,661.1***	***11.0***	***64.6***	***2,607.5***	***-53.6***	***499.4***	***489.1***	***0.0***	***16.0***	***0.0***	***1.0***	***0.0***	***15.0***	***2,607.5***	***2,622.5***
TOTAL	**1,063,888.4**	**904.6**	**1,071.0**	**1,063,722.0**	**-166.4**	**-6,750.3**	**1,767.5**	**1,477.7**	**24,332.6**	**1,684.9**	**10,321.6**	**-207.2**	**14,011.0**	**1,063,514.8**	**1,077,733.0**

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, July 2015 and 2014 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	4,590.3	4,469.3	22,873.9	22,974.0	1,775.4	1,775.4	3.0	3.0	4,046.3	4,630.3	52.9	52.9	33,341.8	33,904.9
Connecticut	328.2	331.6	6,313.9	6,274.5	29.4	29.4	0.0	0.0	2,122.5	2,102.5	30.9	30.9	8,824.9	8,768.9
Maine	1,795.4	1,809.6	2,645.0	2,663.3	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,462.4	4,494.9
Massachusetts	930.0	816.1	9,787.0	9,940.2	1,746.0	1,746.0	3.0	3.0	677.6	677.3	0.0	0.0	13,143.6	13,182.6
New Hampshire	935.4	930.5	2,266.7	2,236.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,448.3	4,413.4
Rhode Island	51.3	49.5	1,761.8	1,759.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,813.1	1,809.3
Vermont	550.0	532.0	99.5	99.5	0.0	0.0	0.0	0.0	0.0	604.3	0.0	0.0	649.5	1,235.8
Middle Atlantic	10,576.9	10,099.0	67,496.2	68,588.9	3,409.1	3,341.0	40.0	40.0	19,321.4	19,234.3	11.2	11.2	100,854.8	101,314.4
New Jersey	670.3	595.9	12,511.4	13,613.8	420.0	420.0	0.0	0.0	4,110.1	4,107.5	11.2	11.2	17,723.0	18,748.4
New York	7,047.0	6,649.2	26,490.5	26,428.0	1,406.1	1,400.0	20.0	20.0	5,431.5	5,421.0	0.0	0.0	40,395.1	39,918.2
Pennsylvania	2,859.6	2,853.9	28,494.3	28,547.1	1,583.0	1,521.0	20.0	20.0	9,779.8	9,705.8	0.0	0.0	42,736.7	42,647.8
East North Central	9,795.2	9,244.4	116,965.6	121,884.5	1,945.0	1,872.0	59.0	24.0	18,873.3	18,838.1	111.0	109.1	147,749.1	151,972.1
Illinois	3,806.0	3,718.2	30,012.3	29,654.6	0.0	0.0	33.0	0.0	11,564.1	11,577.5	1.0	0.0	45,416.4	44,950.3
Indiana	1,968.0	1,731.4	24,245.0	25,396.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	26,301.0	27,216.0
Michigan	2,146.7	1,985.1	22,114.4	22,318.6	1,945.0	1,872.0	0.0	0.0	3,982.0	3,929.1	0.9	0.0	30,189.0	30,104.8
Ohio	717.0	705.4	25,971.2	29,486.1	0.0	0.0	26.0	24.0	2,134.0	2,134.0	0.0	0.0	28,848.2	32,349.5
Wisconsin	1,157.5	1,104.3	14,622.7	15,028.6	0.0	0.0	0.0	0.0	1,193.2	1,197.5	21.1	21.1	16,994.5	17,351.5
West North Central	19,253.2	18,468.2	61,804.0	62,159.0	657.0	657.0	2.0	1.0	5,806.0	5,888.0	44.5	24.5	87,566.7	87,197.7
Iowa	5,856.4	5,212.3	10,043.6	10,125.3	0.0	0.0	0.0	0.0	601.4	601.4	20.0	0.0	16,521.4	15,939.0
Kansas	2,991.9	2,990.9	9,943.9	10,104.3	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.8	14,111.6	14,271.0
Minnesota	3,273.9	3,517.9	10,239.3	10,625.3	0.0	0.0	1.0	1.0	1,594.0	1,673.0	18.4	18.4	15,126.6	15,835.6
Missouri	1,053.6	1,049.2	18,916.9	18,859.1	657.0	657.0	1.0	0.0	1,193.0	1,194.0	0.0	0.0	21,821.5	21,759.3
Nebraska	1,105.4	1,030.4	6,384.4	6,384.9	0.0	0.0	0.0	0.0	1,242.6	1,244.6	0.0	0.0	8,732.4	8,659.9
North Dakota	2,484.0	2,279.0	4,585.6	4,361.4	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,074.9	6,645.7
South Dakota	2,488.0	2,388.5	1,690.3	1,698.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,178.3	4,087.2
South Atlantic	13,079.3	12,435.0	159,686.3	161,924.5	7,905.2	7,905.2	34.0	32.0	24,559.1	24,562.6	970.7	930.0	206,234.6	207,789.3
Delaware	45.0	38.3	3,351.4	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,396.4	3,080.7
District of Columbia	9.9	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	9.0
Florida	1,404.3	1,302.4	53,587.8	54,337.5	0.0	0.0	0.0	0.0	3,572.0	3,572.0	776.7	780.0	59,340.8	59,991.9
Georgia	2,888.4	2,813.6	27,454.1	29,473.5	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	44.0	0.0	36,309.7	38,210.3
Maryland	958.7	910.3	9,693.2	9,627.2	0.0	0.0	0.0	0.0	1,707.8	1,716.0	0.0	0.0	12,359.7	12,253.5
North Carolina	3,357.3	2,967.4	22,005.4	21,939.5	86.0	86.0	0.0	0.0	5,094.1	5,076.1	54.0	54.0	30,596.8	30,123.0
South Carolina	1,779.5	1,769.5	11,772.3	11,974.9	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,824.0	23,016.6
Virginia	1,750.2	1,747.5	17,057.2	16,162.0	3,241.0	3,241.0	0.0	0.0	3,568.0	3,581.3	96.0	96.0	25,712.4	24,827.8
West Virginia	886.0	886.0	14,755.9	15,358.5	0.0	0.0	34.0	32.0	0.0	0.0	0.0	0.0	15,675.9	16,276.5
East South Central	7,956.3	7,929.2	69,179.0	69,817.2	1,616.3	1,616.3	0.0	0.0	9,875.6	9,857.5	159.7	151.4	88,786.9	89,371.6
Alabama	3,886.9	3,889.6	22,793.0	22,917.1	0.0	0.0	0.0	0.0	5,066.4	5,043.4	0.0	0.0	31,746.3	31,850.1
Kentucky	905.6	903.4	19,196.2	20,102.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,101.8	21,005.6
Mississippi	274.7	278.2	14,095.4	13,699.3	0.0	0.0	0.0	0.0	1,408.5	1,413.4	159.7	151.4	15,938.3	15,542.3
Tennessee	2,889.1	2,858.0	13,094.4	13,098.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,000.5	20,973.6
West South Central	24,105.1	20,318.8	147,897.0	145,255.2	288.0	288.0	36.0	36.0	8,912.4	8,904.4	513.2	425.9	181,751.7	175,228.3
Arkansas	1,632.0	1,632.6	11,270.5	11,306.3	28.0	28.0	0.0	0.0	1,819.6	1,819.0	0.0	0.0	14,750.1	14,785.9
Louisiana	642.1	642.9	23,605.8	23,257.3	0.0	0.0	0.0	0.0	2,132.8	2,125.4	275.8	202.3	26,656.5	26,227.9
Oklahoma	4,869.3	4,084.3	19,234.1	18,963.9	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	24,363.4	23,308.2
Texas	16,961.7	13,959.0	93,786.6	91,727.7	0.0	0.0	36.0	36.0	4,960.0	4,960.0	237.4	223.6	115,981.7	110,906.3
Mountain	20,933.5	20,153.6	63,932.2	64,522.7	778.8	778.8	2.6	2.6	3,937.0	3,937.0	111.4	111.4	89,695.5	89,506.1
Arizona	4,406.6	4,275.5	19,674.4	19,599.1	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,234.3	28,027.9
Colorado	3,403.2	3,130.0	10,986.2	11,070.2	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	14,961.2	14,772.0
Idaho	3,776.1	3,775.1	1,152.9	1,137.4	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,943.8	4,927.3
Montana	3,397.8	3,393.2	2,758.7	2,911.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,200.5	6,348.9
Nevada	2,386.4	2,066.5	8,258.7	8,684.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,645.1	10,751.1
New Mexico	1,173.0	1,131.7	6,914.8	6,881.1	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,090.4	8,015.4
Utah	676.0	666.0	7,454.4	7,629.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,162.2	8,327.1
Wyoming	1,714.4	1,715.6	6,732.1	6,609.3	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,458.0	8,336.4
Pacific Contiguous	62,693.9	60,317.9	51,601.0	52,427.0	4,183.3	4,177.6	8.0	6.0	3,377.0	3,373.0	566.3	275.4	122,429.5	120,576.9
California	25,880.3	23,806.8	43,004.4	43,998.7	3,869.3	3,863.6	8.0	6.0	2,240.0	2,240.0	453.6	218.6	75,455.6	74,133.7
Oregon	12,040.0	12,029.5	3,859.6	3,635.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,899.6	15,664.9
Washington	24,773.6	24,481.6	4,737.0	4,792.9	314.0	314.0	0.0	0.0	1,137.0	1,133.0	112.7	56.8	31,074.3	30,778.3
Pacific Noncontiguous	1,060.4	1,026.0	4,136.4	3,992.6	0.0	0.0	48.0	48.0	0.0	0.0	66.6	26.6	5,311.4	5,093.2
Alaska	507.5	482.6	2,064.4	1,920.6	0.0	0.0	27.0	27.0	0.0	0.0	40.0	0.0	2,638.9	2,430.2
Hawaii	552.9	543.4	2,072.0	2,072.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,672.5	2,663.0
U.S. Total	174,044.1	164,461.4	765,571.6	773,545.6	22,558.1	22,411.3	232.6	192.6	98,708.1	99,225.2	2,607.5	2,118.4	1,063,722.0	1,061,954.5

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'

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

Table 6.2.B. Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State, July 2015 and 2014 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	808.2	800.9	349.2	221.0	0.0	0.0	1,965.8	1,952.6	1,467.1	1,494.8	0.0	0.0	4,590.3	4,469.3
Connecticut	0.0	0.0	10.0	5.0	0.0	0.0	122.2	122.2	196.0	204.4	0.0	0.0	328.2	331.6
Maine	430.6	430.6	0.0	0.0	0.0	0.0	733.0	726.7	631.8	652.3	0.0	0.0	1,795.4	1,809.6
Massachusetts	82.6	76.1	301.1	196.9	0.0	0.0	263.0	263.0	283.3	280.1	0.0	0.0	930.0	816.1
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	521.3	514.4	243.1	245.1	0.0	0.0	935.4	930.5
Rhode Island	3.8	3.0	7.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	51.3	49.5
Vermont	120.2	120.2	30.2	12.2	0.0	0.0	323.6	323.6	76.0	76.0	0.0	0.0	550.0	532.0
Middle Atlantic	3,098.5	3,082.2	515.4	445.3	0.0	0.0	5,618.8	5,226.8	1,344.2	1,344.7	0.0	0.0	10,576.9	10,099.0
New Jersey	7.6	7.5	420.6	358.3	0.0	0.0	12.3	3.3	229.8	226.8	0.0	0.0	670.3	595.9
New York	1,747.0	1,730.8	52.7	46.2	0.0	0.0	4,713.1	4,332.3	534.2	539.9	0.0	0.0	7,047.0	6,649.2
Pennsylvania	1,343.9	1,343.9	42.1	40.8	0.0	0.0	893.4	891.2	580.2	578.0	0.0	0.0	2,859.6	2,853.9
East North Central	7,480.4	7,033.4	163.6	132.8	0.0	0.0	918.2	920.3	1,233.0	1,157.9	0.0	0.0	9,795.2	9,244.4
Illinois	3,624.8	3,525.1	31.9	31.6	0.0	0.0	34.1	34.1	115.2	127.4	0.0	0.0	3,806.0	3,718.2
Indiana	1,739.7	1,539.7	93.1	69.1	0.0	0.0	60.4	60.4	74.8	62.2	0.0	0.0	1,968.0	1,731.4
Michigan	1,360.1	1,215.9	0.0	0.0	0.0	0.0	333.1	331.4	453.5	437.8	0.0	0.0	2,146.7	1,985.1
Ohio	424.1	424.1	37.6	32.1	0.0	0.0	101.9	101.9	153.4	147.3	0.0	0.0	717.0	705.4
Wisconsin	331.7	328.6	1.0	0.0	0.0	0.0	388.7	392.5	436.1	383.2	0.0	0.0	1,157.5	1,104.3
West North Central	15,422.4	14,654.7	13.2	9.4	0.0	0.0	3,300.8	3,292.6	516.8	511.5	0.0	0.0	19,253.2	18,468.2
Iowa	5,691.1	5,047.0	0.0	0.0	0.0	0.0	144.9	144.9	20.4	20.4	0.0	0.0	5,856.4	5,212.3
Kansas	2,968.9	2,968.9	1.0	0.0	0.0	0.0	7.0	7.0	15.0	15.0	0.0	0.0	2,991.9	2,990.9
Minnesota	2,637.8	2,893.7	1.7	1.7	0.0	0.0	195.0	184.6	439.4	437.9	0.0	0.0	3,273.9	3,517.9
Missouri	458.5	458.5	10.5	7.7	0.0	0.0	568.1	570.3	16.5	12.7	0.0	0.0	1,053.6	1,049.2
Nebraska	811.9	736.9	0.0	0.0	0.0	0.0	277.8	277.8	15.7	15.7	0.0	0.0	1,105.4	1,030.4
North Dakota	1,964.2	1,759.2	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	2,484.0	2,279.0
South Dakota	890.0	790.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,488.0	2,388.5
South Atlantic	745.3	705.3	1,009.5	609.6	0.0	0.0	7,198.0	7,193.2	4,126.5	3,926.9	0.0	0.0	13,079.3	12,435.0
Delaware	2.0	2.0	30.8	28.3	0.0	0.0	0.0	0.0	12.2	8.0	0.0	0.0	45.0	38.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0
Florida	0.0	0.0	72.9	66.4	0.0	0.0	54.5	54.5	1,276.9	1,181.5	0.0	0.0	1,404.3	1,302.4
Georgia	0.0	0.0	68.6	61.1	0.0	0.0	2,047.6	2,044.9	772.2	707.6	0.0	0.0	2,888.4	2,813.6
Maryland	160.0	120.0	63.6	55.2	0.0	0.0	590.0	590.0	145.1	145.1	0.0	0.0	958.7	910.3
North Carolina	0.0	0.0	771.1	396.1	0.0	0.0	1,999.1	1,997.0	587.1	574.3	0.0	0.0	3,357.3	2,967.4
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,340.3	1,340.3	436.7	426.7	0.0	0.0	1,779.5	1,769.5
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	884.2	881.5	0.0	0.0	1,750.2	1,747.5
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	300.5	300.5	2.2	2.2	0.0	0.0	886.0	886.0
East South Central	29.1	29.1	45.2	13.6	0.0	0.0	6,724.9	6,721.4	1,157.1	1,165.1	0.0	0.0	7,956.3	7,929.2
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,271.0	3,272.2	615.9	617.4	0.0	0.0	3,886.9	3,889.6
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	835.3	833.1	70.3	70.3	0.0	0.0	905.6	903.4
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.7	278.2	0.0	0.0	274.7	278.2
Tennessee	29.1	29.1	45.2	13.6	0.0	0.0	2,618.6	2,616.1	196.2	199.2	0.0	0.0	2,889.1	2,858.0
West South Central	19,519.0	15,845.3	215.9	130.3	0.0	0.0	3,043.6	3,062.2	1,326.6	1,281.0	0.0	0.0	24,105.1	20,318.8
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,323.6	1,324.2	308.4	308.4	0.0	0.0	1,632.0	1,632.6
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.1	450.9	0.0	0.0	642.1	642.9
Oklahoma	3,929.9	3,132.9	0.0	0.0	0.0	0.0	863.2	875.2	76.2	76.2	0.0	0.0	4,869.3	4,084.3
Texas	15,589.1	12,712.4	215.9	130.3	0.0	0.0	664.8	670.8	491.9	445.5	0.0	0.0	16,961.7	13,959.0
Mountain	7,096.8	6,815.2	2,205.4	1,740.0	363.9	363.9	10,560.8	10,562.8	178.2	184.8	528.4	486.9	20,933.5	20,153.6
Arizona	237.3	237.3	1,118.3	983.9	295.4	295.4	2,720.9	2,720.4	34.7	38.5	0.0	0.0	4,406.6	4,275.5
Colorado	2,566.1	2,302.9	133.4	120.2	0.0	0.0	676.3	679.5	27.4	27.4	0.0	0.0	3,403.2	3,130.0
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,707.7	2,708.1	95.7	94.3	10.0	10.0	3,776.1	3,775.1
Montana	636.7	632.1	0.0	0.0	0.0	0.0	2,758.1	2,758.1	3.0	3.0	0.0	0.0	3,397.8	3,393.2
Nevada	150.0	150.0	669.5	391.1	68.5	68.5	1,051.4	1,051.4	3.2	3.2	443.8	402.3	2,386.4	2,066.5
New Mexico	812.3	797.3	274.0	243.5	0.0	0.0	82.9	82.9	2.2	6.4	1.6	1.6	1,173.0	1,131.7
Utah	324.4	324.4	10.2	1.3	0.0	0.0	256.4	255.3	12.0	12.0	73.0	73.0	676.0	666.0
Wyoming	1,407.3	1,408.5	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,715.6
Pacific Contiguous	12,243.7	11,926.0	5,119.4	3,271.3	1,302.8	1,047.5	40,012.7	39,964.1	2,042.4	2,031.9	1,972.9	2,077.1	62,693.9	60,317.9
California	6,013.2	5,958.8	5,105.0	3,258.1	1,302.8	1,047.5	10,182.9	10,175.4	1,321.2	1,307.6	1,955.2	2,059.4	25,880.3	23,806.8
Oregon	3,157.4	3,160.9	13.9	12.7	0.0	0.0	8,519.8	8,517.1	331.2	321.1	17.7	17.7	12,040.0	12,029.5
Washington	3,073.1	2,806.3	0.5	0.5	0.0	0.0	21,310.0	21,271.6	390.0	403.2	0.0	0.0	24,773.6	24,481.6
Pacific Noncontiguous	265.6	265.6	32.2	20.2	0.0	0.0	465.5	440.6	254.1	256.6	43.0	43.0	1,060.4	1,026.0
Alaska	60.0	60.0	0.0	0.0	0.0	0.0	440.5	415.6	7.0	7.0	0.0	0.0	507.5	482.6
Hawaii	205.6	205.6	32.2	20.2	0.0	0.0	25.0	25.0	247.1	249.6	43.0	43.0	552.9	543.4
U.S. Total	66,709.0	61,157.7	9,669.0	6,593.5	1,666.7	1,411.4	79,809.1	79,336.6	13,646.0	13,355.2	2,544.3	2,607.0	174,044.1	164,461.4

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 existing or planned capacity for some technologies such as solar photovoltaic generation.

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

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, July 2015 and 2014 (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	
	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014	July 2015	July 2014
New England	11,772.0	11,720.9	1,110.1	1,111.3	20.3	886.3	2,076.8	2,232.9	0.0	0.0	6,953.8	7,022.6	0.0	0.0	22,873.9	22,974.0
Connecticut	2,504.6	2,504.6	482.2	482.2	20.3	77.3	383.4	383.4	0.0	0.0	2,879.0	2,827.0	0.0	0.0	6,313.9	6,274.5
Maine	1,250.0	1,250.0	297.2	297.2	0.0	119.0	85.0	85.0	0.0	0.0	893.8	912.1	0.0	0.0	2,645.0	2,663.3
Massachusetts	5,054.2	5,033.1	326.9	328.1	0.0	679.6	1,074.5	1,230.6	0.0	0.0	2,566.3	2,668.8	0.0	0.0	9,787.0	9,940.2
New Hampshire	1,231.0	1,201.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,266.7	2,236.7
Rhode Island	1,732.2	1,732.2	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	1,761.8	1,759.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	99.5	0.0	0.0	99.5	99.5
Middle Atlantic	23,368.4	22,426.7	7,731.6	8,791.8	0.0	10,148.3	18,426.5	18,600.8	11.6	11.6	6,790.7	8,509.3	100.4	100.4	67,496.2	68,588.9
New Jersey	6,645.2	5,852.0	3,004.5	4,093.8	0.0	670.4	1,870.0	1,875.8	11.6	11.6	467.5	1,110.2	0.0	0.0	12,511.4	13,613.8
New York	8,250.0	8,236.0	3,048.1	3,017.0	0.0	7,679.3	2,490.1	2,507.3	0.0	0.0	3,943.5	4,988.4	0.0	0.0	26,490.5	26,428.0
Pennsylvania	8,473.2	8,338.7	1,679.0	1,681.0	0.0	1,798.6	14,066.4	14,217.7	0.0	0.0	2,379.7	2,410.7	100.4	100.4	28,494.3	28,547.1
East North Central	16,954.6	16,267.1	25,652.9	25,677.7	0.0	3,514.7	66,706.8	71,988.7	521.6	570.1	2,730.8	2,924.9	934.7	941.3	116,965.6	121,884.5
Illinois	3,543.0	2,957.7	10,183.3	10,169.6	0.0	228.0	15,254.1	15,498.4	0.0	0.0	682.2	683.2	117.7	117.7	30,012.3	29,654.6
Indiana	2,480.2	2,471.2	3,142.6	3,119.6	0.0	8.7	17,399.0	18,648.2	274.0	274.0	273.3	268.4	599.9	606.5	24,245.0	25,396.6
Michigan	4,291.6	4,210.1	3,543.8	3,590.4	0.0	3,007.1	10,848.4	10,946.5	47.2	47.2	525.0	517.3	0.0	0.0	22,114.4	22,318.6
Ohio	3,974.6	3,965.2	5,427.7	5,426.7	0.0	131.4	15,425.5	18,744.8	142.0	142.0	652.9	858.9	217.1	217.1	25,971.2	29,486.1
Wisconsin	2,665.2	2,662.9	3,355.5	3,371.4	0.0	139.5	7,779.8	8,150.8	58.4	106.9	597.4	597.1	0.0	0.0	14,622.7	15,028.6
West North Central	5,731.8	5,730.6	11,517.8	11,364.4	0.0	3,230.2	36,930.2	37,679.0	32.0	32.0	4,083.3	4,114.4	8.4	8.4	61,804.0	62,159.0
Iowa	1,111.0	1,112.8	1,104.4	1,105.6	0.0	299.1	6,240.0	6,562.3	32.0	32.0	1,007.9	1,013.5	0.0	0.0	10,043.6	10,125.3
Kansas	0.0	0.0	2,324.8	2,350.7	0.0	2,023.2	5,047.1	5,188.1	0.0	0.0	538.0	542.3	0.0	0.0	9,943.9	10,104.3
Minnesota	2,158.2	2,158.2	2,533.7	2,580.4	0.0	257.2	4,478.0	4,822.3	0.0	0.0	798.0	807.2	0.0	0.0	10,239.3	10,625.3
Missouri	1,830.0	1,830.0	3,379.4	3,320.9	0.0	230.8	12,337.6	12,332.4	0.0	0.0	1,139.1	1,145.0	0.0	0.0	18,916.9	18,859.1
Nebraska	342.6	339.6	1,152.9	1,152.2	0.0	407.3	4,167.9	4,170.5	0.0	0.0	313.7	315.3	0.0	0.0	6,384.4	6,384.9
North Dakota	0.0	0.0	328.0	160.0	0.0	0.0	4,184.6	4,128.4	0.0	0.0	64.6	64.6	8.4	8.4	4,585.6	4,361.4
South Dakota	290.0	290.0	694.6	694.6	0.0	12.6	475.0	475.0	0.0	0.0	222.0	226.5	0.0	0.0	1,690.3	1,698.7
South Atlantic	47,440.3	46,216.5	31,977.0	31,702.8	31.6	4,661.8	60,010.2	64,264.1	669.8	669.8	13,865.6	14,144.5	135.0	265.0	159,686.3	161,924.5
Delaware	1,505.0	1,196.0	311.0	181.0	30.0	876.0	410.0	410.0	0.0	0.0	114.4	114.4	135.0	265.0	3,351.4	3,042.4
District of Columbia	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
Florida	25,257.6	25,879.9	8,400.0	8,405.4	0.0	2,647.3	10,085.0	10,117.0	586.0	586.0	6,522.9	6,701.9	0.0	0.0	53,587.8	54,337.5
Georgia	7,961.8	7,921.8	7,823.4	7,799.1	0.0	155.0	9,764.4	12,412.1	83.8	83.8	998.7	1,101.7	0.0	0.0	27,454.1	29,473.5
Maryland	250.0	250.0	1,580.9	1,479.9	1.6	325.8	4,722.0	4,757.0	0.0	0.0	2,814.5	2,814.5	0.0	0.0	9,693.2	9,627.2
North Carolina	4,738.5	4,706.6	6,031.7	6,035.7	0.0	0.0	10,832.8	10,794.8	0.0	0.0	402.4	402.4	0.0	0.0	22,005.4	21,939.5
South Carolina	2,409.0	2,416.0	2,855.6	2,841.2	0.0	110.8	5,575.5	5,945.5	0.0	0.0	661.4	661.4	0.0	0.0	11,772.3	11,974.9
Virginia	5,318.4	3,846.2	3,894.1	3,877.6	0.0	546.9	4,946.9	5,554.1	0.0	0.0	2,340.3	2,337.2	0.0	0.0	17,057.2	16,162.0
West Virginia	0.0	0.0	1,071.3	1,073.9	0.0	0.0	13,673.6	14,273.6	0.0	0.0	11.0	11.0	0.0	0.0	14,755.9	15,358.5
East South Central	18,864.1	17,642.3	12,887.5	12,829.5	110.0	2,725.5	34,584.7	36,315.0	0.0	0.0	150.8	205.1	99.8	99.8	69,179.0	69,817.2
Alabama	9,391.3	9,373.1	2,530.6	2,530.6	110.0	178.3	10,539.4	10,692.7	0.0	0.0	42.6	42.6	99.8	99.8	22,793.0	22,917.1
Kentucky	642.0	0.0	4,870.6	4,812.6	0.0	0.0	13,671.7	15,219.7	0.0	0.0	11.9	69.9	0.0	0.0	19,196.2	20,102.2
Mississippi	7,427.8	6,866.2	1,716.9	1,716.9	0.0	2,547.2	2,526.0	2,526.0	0.0	0.0	43.1	43.0	0.0	0.0	14,095.4	13,699.3
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	7,847.6	7,876.6	0.0	0.0	53.2	49.6	0.0	0.0	13,094.4	13,098.6
West South Central	59,478.0	56,788.5	12,774.8	12,299.6	6.0	36,647.5	37,929.9	37,956.7	903.2	984.2	185.4	198.8	330.8	379.9	147,897.0	145,255.2
Arkansas	4,597.3	4,630.5	725.8	727.6	0.0	813.7	5,124.5	5,122.3	0.0	0.0	12.2	12.2	0.0	0.0	11,270.5	11,306.3
Louisiana	7,548.1	7,053.4	2,649.8	2,640.4	6.0	9,068.5	3,418.6	3,437.8	892.6	973.6	49.1	49.3	25.2	34.3	23,605.8	23,257.3
Oklahoma	7,216.1	7,097.5	1,316.7	1,189.9	0.0	5,297.0	5,257.3	5,305.1	0.0	0.0	74.4	74.4	0.0	0.0	19,234.1	18,963.9
Texas	40,116.5	38,007.1	8,082.5	7,741.7	0.0	21,468.3	24,129.5	24,091.5	10.6	10.6	49.7	62.9	305.6	345.6	93,786.6	91,727.7
Mountain	21,919.4	21,802.5	8,921.5	8,876.0	6.0	3,392.0	29,368.0	29,978.0	52.0	52.0	370.8	327.3	87.1	94.9	63,932.2	64,522.7
Arizona	9,868.7	9,806.4	2,367.6	2,367.6	0.0	1,177.6	6,170.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	19,674.4	19,599.1
Colorado	2,651.7	2,731.7	2,535.3	2,539.3	0.0	349.0	5,281.8	5,281.8	0.0	0.0	168.4	168.4	0.0	0.0	10,986.2	11,070.2
Idaho	568.5	567.5	557.5	543.0	0.0	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,152.9	1,137.4
Montana	0.0	0.0	362.1	362.1	0.0	54.0	2,289.1	2,442.1	52.0	52.0	0.0	0.0	1.5	1.5	2,758.7	2,911.7
Nevada	5,418.6	5,410.5	1,385.6	1,385.6	0.0	587.1	997.4	1,295.4	0.0	0.0	6.0	6.0	0.0	0.0	8,258.7	8,684.6
New Mexico	1,487.9	1,456.4	1,039.6	1,041.6	0.0	888.7	3,471.0	3,471.0	0.0	0.0	66.9	23.4	0.0	0.0	6,914.8	6,881.1
Utah	1,830.0	1,830.0	520.2	520.2	6.0	325.3	4,754.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,454.4	7,629.3
Wyoming	94.0	0.0	153.6	116.6	0.0	6.0	6,387.5	6,387.5	0.0	0.0	5.8	5.8	85.6	93.4	6,732.1	6,609.3
Pacific Contiguous	24,830.4	25,609.5	11,475.8	11,399.2	35.6	12,545.1	2,043.6	2,177.8	0.0	17.0	410.7	466.7	211.7	211.7	51,601.0	52,427.0
California	19,200.8	19,924.0	10,700.8	10,624.2	35.6	12,517.5	118.6	252.8	0.0	17.0	395.5	451.5	211.7	211.7	43,004.4	43,998.7
Oregon	2,916.6	2,916.6	133.8	133.8	0.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,859.6	3,635.4
Washington	2,713.0	2,768.9	641.2	641.2	0.0	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,737.0	4,792.9
Pacific Noncontiguous	565.2	605.2	527.8	520.2	0.0	13.8	286.1	290.5	0.0	0.0	2,575.9	2,556.5	6.4	6.4	4,136.4	3,992.6
Alaska	565.2	605.2	527.8	520.2	0.0	13.8	106.1	110.5	0.0	0.0	690.3	670.9	0.0	0.0	2,064.4	1,920.6
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,885.6	1,885.6	6.4	6.4	2,072.0	2,072.0
U.S. Total	230,924.2	224,809.8	124,576.8	124,572.5	209.5	77,765.2	288,362.8	301,483.5	2,190.2	2,336.7	38,117.8	40,470.1	1,914.3	2,107.8	765,571.6	773,545.6

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.

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

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

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	1	12647	ALLETE, Inc.	Electric Utility	Bison 4 Wind Energy Center	ND	58872	BISO4	205.0	Onshore Wind Turbine	WND	WT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 1	CA	59536	AW1	1.5	Solar Photovoltaic	SUN	PV
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 2	CA	59537	AW2	1.5	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee Granby Road Solar	MA	59626	PV1	1.6	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee River Solar	MA	59625	PV1	2.0	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Twiss Street Solar	MA	59624	PV1	1.5	Solar Photovoltaic	SUN	PV
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	9	24.0	Solar Photovoltaic	SUN	PV
2015	1	59176	Diamond Valley Solar LLC	IPP	Diamond Valley Solar Project	CA	59405	PV11	1.3	Solar Photovoltaic	SUN	PV
2015	1	58720	Enbridge	IPP	Keechi Wind	TX	58838	KW1	110.0	Onshore Wind Turbine	WND	WT
2015	1	56615	First Solar Project Development	Electric Utility	Meadow Lake Solar Energy Center	NM	59618	MLK	9.1	Solar Photovoltaic	SUN	PV
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-2	0.9	Conventional Hydroelectric	WAT	HY
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	Carroll Area Wind Farm	IA	59071	WT 1	20.0	Onshore Wind Turbine	WND	WT
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	North Run	NJ	59318	NRUN1	5.0	Solar Photovoltaic	SUN	PV
2015	1	58489	OCI Solar Power	IPP	OCI Alamo 3 LLC	TX	59204	OCIA3	5.5	Solar Photovoltaic	SUN	PV
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Natural Gas Internal Combustion Engine	NG	IC
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Kinsley Landfill Solar	NJ	58877	KINS	8.6	Solar Photovoltaic	SUN	PV
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Parkland Landfill Solar	NJ	59001	PARK	7.8	Solar Photovoltaic	SUN	PV
2015	1	59121	Pumpjack Solar I, LLC	IPP	Pumpjack Solar I	CA	59322	GEN1	20.0	Solar Photovoltaic	SUN	PV
2015	1	59040	Rising Tree Wind Farm II LLC	IPP	Rising Tree Wind Farm II	CA	59235	GEN1	19.8	Onshore Wind Turbine	WND	WT
2015	1	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	79.2	Onshore Wind Turbine	WND	WT
2015	1	58820	Shankle Solar Center LLC	IPP	Shankle Solar Center LLC	NC	58956	SHAN	4.8	Solar Photovoltaic	SUN	PV
2015	1	59454	Solscient Energy, LLC	Industrial	GM Lordstown Assembly Solar Array	OH	59683	12345	1.7	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic	SUN	PV
2015	1	58258	SunRay Power LLC	IPP	Leicester One MA Solar LLC	MA	58282	1	6.0	Solar Photovoltaic	SUN	PV
2015	2	58519	Clean Energy Collective LLC	IPP	Midwest Energy Community Solar Array	KS	59632	1036	1.0	Solar Photovoltaic	SUN	PV
2015	2	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0	Solar Photovoltaic	SUN	PV
2015	2	56615	First Solar Project Development	Electric Utility	Cibola	NM	59619	CBLA	7.6	Solar Photovoltaic	SUN	PV
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF1	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF2	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF3	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF4	1.6	Landfill Gas	LFG	IC
2015	2	11208	Los Angeles Department of Water & Power	IPP	Forever 21 Retail, Inc.	CA	59651	W4161	4.6	Solar Photovoltaic	SUN	PV
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS07	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS08	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS09	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS10	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS12	52.6	Solar Photovoltaic	SUN	PV
2015	2	59208	NRG Solar Las Vegas MB-1	Commercial	NRG Solar Las Vegas MB-1	NV	59430	MB-1	5.0	Solar Photovoltaic	SUN	PV
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC21	12.0	Geothermal	GEO	BT
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC22	12.0	Geothermal	GEO	BT
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC23	6.0	Geothermal	GEO	BT
2015	2	59424	SSA Solar of NM 4, LLC	IPP	City of Truth or Consequences PV	NM	59653	COTC	1.9	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

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	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV
2015	2	59158	Wildwood Solar I, LLC	IPP	Wildwood Solar I, LLC	CA	59380	WLD1	19.5	Solar Photovoltaic	SUN	PV
2015	3	59307	Ashley Solar Farm, LLC	IPP	Ashley Solar Farm	NC	59566	PV1	4.0	Solar Photovoltaic	SUN	PV
2015	3	58748	Clean Energy LLC	Electric CHP	Reventure Park	NC	58865	RNG	1.6	Landfill Gas	LFG	IC
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
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
2015	3	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG H	CA	58913	1	1.5	Solar Photovoltaic	SUN	PV
2015	3	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG M	CA	58912	1	1.8	Solar Photovoltaic	SUN	PV
2015	3	58865	Hoopeston Wind LLC	IPP	Hoopeston Wind LLC	IL	59021	HOO1	98.0	Onshore Wind Turbine	WND	WT
2015	3	59284	Kona Solar, LLC	IPP	Park Meridian #1	CA	59539	1	1.5	Solar Photovoltaic	SUN	PV
2015	3	59284	Kona Solar, LLC	IPP	Terra Francesco	CA	59541	3	1.5	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Braley Road 2	MA	58680	PV1	2.7	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV
2015	3	59358	REUT Origination, LLC	IPP	South Milford Solar Plant	UT	59620	SMS1	2.9	Solar Photovoltaic	SUN	PV
2015	3	58920	Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1	2.0	Solar Photovoltaic	SUN	PV
2015	3	58749	Rentech Nitrogen Pasadena LLC	Electric CHP	Rentech Nitrogen Pasadena Cogeneration	TX	58870	MG202	14.0	All Other	WH	ST
2015	3	59519	TerraForm Solar XVII, LLC	IPP	BlueWave Capital - Grafton (SREC II)	MA	59752	1	1.3	Solar Photovoltaic	SUN	PV
2015	3	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	5	0.4	Natural Gas Internal Combustion Engine	NG	IC
2015	3	59298	Vega Solar, LLC	IPP	Vega Solar	CA	59555	VEGA1	20.0	Solar Photovoltaic	SUN	PV
2015	4	59359	BHE Renewables, LLC	IPP	TX Jumbo Road Wind	TX	59621	JRWND	299.7	Onshore Wind Turbine	WND	WT
2015	4	59503	Capital Dynamics	IPP	Green Pastures Wind I	TX	59732	GPI	150.0	Onshore Wind Turbine	WND	WT
2015	4	19454	City of Unalaska - (AK)	Electric Utility	Dutch Harbor	AK	7502	12	3.7	Petroleum Liquids	DFO	IC
2015	4	58519	Clean Energy Collective LLC	IPP	Sunnyside Ranch Community Solar Array	CO	59742	HCE	2.0	Solar Photovoltaic	SUN	PV
2015	4	59346	Colton Solar Two, LLC	IPP	Colton Solar Two, LLC	CA	59598	CS002	1.0	Solar Photovoltaic	SUN	PV
2015	4	59289	Everetts Wildcat Solar, LLC	IPP	Everetts Wildcat Solar, LLC	NC	59549	EVER1	5.0	Solar Photovoltaic	SUN	PV
2015	4	56615	First Solar Project Development	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV
2015	4	56615	First Solar Project Development	IPP	Lost Hills	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV
2015	4	59284	Kona Solar, LLC	IPP	Rancho Cucamonga Dist #1	CA	59540	2	1.8	Solar Photovoltaic	SUN	PV
2015	4	59119	Los Vientos Windpower III, LLC	IPP	Los Vientos Windpower III	TX	59320	GEN1	2.0	Onshore Wind Turbine	WND	WT
2015	4	58863	Main Street Power	IPP	Arizona Western College PV	AZ	57765	SOLEG	1.0	Solar Photovoltaic	SUN	PV
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS01	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS02	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS03	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS04	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS05	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS06	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	59600	Mohave Sunrise Solar I, LLC	IPP	Mohave Electric at Fort Mohave	AZ	59819	PV1	4.4	Solar Photovoltaic	SUN	PV
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
2015	4	5624	RED-Rochester, LLC	Industrial	RED-Rochester, LLC	NY	10025	75TG	2.2	Conventional Steam Coal	BIT	ST
2015	4	59529	Robeson County Landfill	Commercial	Robeson County LFG to Energy	NC	59763	GEN02	1.0	Landfill Gas	LFG	IC
2015	4	59352	Soul City Solar	IPP	Soul City Solar	NC	59606	FLS1	3.5	Solar Photovoltaic	SUN	PV
2015	4	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	2	165.0	Onshore Wind Turbine	WND	WT
2015	4	59131	Sumitomo Corporation of the Americas	IPP	Mesquite Creek Wind	TX	59332	MSCRK	211.2	Onshore Wind Turbine	WND	WT
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 1	CA	58289	VNPV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 2	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59156	Wapsie Valley Creamery	Industrial	Wapsie Valley Creamery Back Up Generator	IA	59379	1	1.1	Petroleum Liquids	DFO	IC
2015	4	20542	Weyerhaeuser Co	Industrial	Flint River Operations	GA	50465	GEN2	25.0	Wood/Wood Waste Biomass	WDS	ST
2015	4	58919	Yanceyville Farm 2 LLC	IPP	Yanceyville Farm 2 LLC	NC	59113	1	5.0	Solar Photovoltaic	SUN	PV
2015	5	59486		IPP	Dublin Plant	GA	59718	TG1	29.0	Wood/Wood Waste Biomass	WDS	ST
2015	5	59236	Alamo Solar, LLC	IPP	Alamo Solar	CA	59469	ALAMO	18.7	Solar Photovoltaic	SUN	PV
2015	5	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	4	0.7	Petroleum Liquids	JF	IC
2015	5	59050	Algonquin Power Co	IPP	Algonquin SKIC20 Solar LLC	CA	59412	SKI20	20.0	Solar Photovoltaic	SUN	PV
2015	5	57369	Apple, Inc	Commercial	Ft. Churchill PV	NV	59472	NVC7	19.9	Solar Photovoltaic	SUN	PV
2015	5	57421	BayWa r.e Wind LLC	IPP	Beethoven Wind	SD	59187	B&H80	80.0	Onshore Wind Turbine	WND	WT
2015	5	56769	Consolidated Edison Development Inc.	IPP	Atwell Island West Solar	CA	59414	AWCA	20.0	Solar Photovoltaic	SUN	PV
2015	5	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 2	CA	59413	C2CA	19.8	Solar Photovoltaic	SUN	PV
2015	5	59393	Coronal Lost Hills, LLC	IPP	Coronal Lost Hills	CA	59638	CLH	20.0	Solar Photovoltaic	SUN	PV
2015	5	59288	Creswell Alligood Solar, LLC	IPP	Creswell Alligood Solar, LLC	NC	59548	CRES1	14.0	Solar Photovoltaic	SUN	PV
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY
2015	5	5906	EDF Renewable Services Inc	IPP	City of Corcoran Solar	CA	59087	GEN 1	11.0	Solar Photovoltaic	SUN	PV
2015	5	5906	EDF Renewable Services Inc	IPP	Goose Lake Solar	CA	59086	GEN1	12.0	Solar Photovoltaic	SUN	PV
2015	5	5906	EDF Renewable Services Inc	IPP	Longhorn Wind	TX	58772	GEN1	200.0	Onshore Wind Turbine	WND	WT
2015	5	59407	FLS Solar 230 (Warren)	IPP	FLS Solar 230 (Warren)	NC	59646	FLS1	4.8	Solar Photovoltaic	SUN	PV
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST1	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST2	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59287	Laurel Capital Partners	IPP	DD Hay Road Solar 23 LLC	DE	59715	PV1	1.2	Solar Photovoltaic	SUN	PV
2015	5	59406	Mt. Olive Solar 1	IPP	Mt Olive Solar 1	NC	59645	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-3	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-4	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-2	309.0	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59183	Shafter Solar LLC	IPP	Shafter Solar LLC	CA	59408	1	20.0	Solar Photovoltaic	SUN	PV
2015	5	59638	SolNCPower5, LLC	IPP	SolNCPower5, LLC	NC	59857	BAT1	5.0	Solar Photovoltaic	SUN	PV
2015	5	17826	Springer Electric Coop, Inc	Electric Utility	Springer Solar 1	NM	59560	SPRG1	0.8	Solar Photovoltaic	SUN	PV
2015	5	59350	Stagecoach Solar	IPP	Stagecoach Solar	NC	59604	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	5	59457	Sun Harvest Solar, LLC	IPP	Sun Harvest Solar NDP1	CA	59687	NDP1	1.5	Solar Photovoltaic	SUN	PV
2015	5	59351	Vicksburg Solar	IPP	Vicksburg Solar	NC	59605	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Noatak	AK	57051	5A	0.5	Petroleum Liquids	JF	IC
2015	6	59345	Colton Solar One, LLC	IPP	Colton Solar One, LLC	CA	59597	CS001	2.5	Solar Photovoltaic	SUN	PV
2015	6	4161	Constellation Power Source Gen	IPP	Perryman	MD	1556	GT6	109.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB1	3.3	Other Waste Biomass	OBG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB2	3.3	Other Waste Biomass	OBG	GT
2015	6	59380	Enel Green Power NA, Inc.	IPP	Osage Wind, LLC	OK	58683	1	150.4	Onshore Wind Turbine	WND	WT
2015	6	56615	First Solar Project Development	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV
2015	6	59612	GES MegaOne LLC	IPP	Indy Grocers	IN	59834	INGRO	1.0	Solar Photovoltaic	SUN	PV
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK1	189.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

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	59636	HP Hood LLC	Industrial	HP Hood CT	VA	59860	HHOOD	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	7	642.0	Natural Gas Fired Combined Cycle	NG	CC
2015	6	58822	MC Power Companies Inc	IPP	Macon Solar Power Project	MO	59729	MSF1	2.8	Solar Photovoltaic	SUN	PV
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	5	1.2	Other Waste Biomass	OBG	IC
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	6	1.2	Other Waste Biomass	OBG	IC
2015	6	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF	15.5	Onshore Wind Turbine	WND	WT
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS11	52.6	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS14	32.2	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	44.0	Solar Photovoltaic	SUN	PV
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	56990	NJR Clean Energy Ventures Corporation	IPP	Harmony	NJ	59627	HRMNY	3.0	Solar Photovoltaic	SUN	PV
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY
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
2015	6	59202	SolNCPower1, LLC	IPP	Two Mile Solar	NC	59427	TMS1	5.0	Solar Photovoltaic	SUN	PV
2015	6	17650	Southern Power Co	IPP	North Star Solar	CA	58713	NSTR	62.5	Solar Photovoltaic	SUN	PV
2015	6	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic	SUN	PV
2015	6	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic	SUN	PV
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	17	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	18	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	19	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	20	1.8	Petroleum Liquids	DFO	IC
2015	6	59332	Yadkin 601 Farm, LLC	IPP	Yadkin 601 Farm	NC	59587	PV1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59652	Adams Community Solar Garden III LLC	IPP	Adams Community Solar Garden III LLC	CO	59850	23376	1.2	Solar Photovoltaic	SUN	PV
2015	7	59651	Adams Community Solar Garden LLC	IPP	Adams Community Solar Garden LLC	CO	59849	23377	1.2	Solar Photovoltaic	SUN	PV
2015	7	59212	Adelanto Solar II, LLC	IPP	Adelanto Solar II, LLC	CA	59440	SAS	7.0	Solar Photovoltaic	SUN	PV
2015	7	59674	Albertson Solar LLC	IPP	Albertson Solar LLC	NC	59901	ALBRT	5.0	Solar Photovoltaic	SUN	PV
2015	7	59711	Bakersfield 111 LLC	IPP	Bakersfield 111	CA	59948	BF111	1.4	Solar Photovoltaic	SUN	PV
2015	7	57365	Consolidated Edison Solutions Inc	IPP	Port Richmond WWT Solar	NY	58647	1	1.0	Solar Photovoltaic	SUN	PV
2015	7	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB3	3.3	Other Waste Biomass	OBG	GT
2015	7	57170	EDF Renewable Asset Holdings, Inc.	IPP	Catalina Solar 2, LLC	CA	59334	INV-1	18.0	Solar Photovoltaic	SUN	PV
2015	7	59381	EE Kettleman California LLC	IPP	Kettleman Solar -Centaurus	CA	59633	KS	20.0	Solar Photovoltaic	SUN	PV
2015	7	59276	ESA Four Oaks NC 1, LLC	IPP	4Oaks	NC	59534	4OAKS	5.0	Solar Photovoltaic	SUN	PV
2015	7	59277	ESA Princeton NC, LLC	IPP	Princeton	NC	59533	PRCTN	5.0	Solar Photovoltaic	SUN	PV
2015	7	59132	Faison Solar LLC	IPP	Faison Solar	NC	59333	FAIS1	2.0	Solar Photovoltaic	SUN	PV
2015	7	59155	First Wind O&M, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59155	First Wind O&M, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59209	Half Moon Ventures, LLC	IPP	Johnston Solar	RI	59858	JSI01	1.0	Solar Photovoltaic	SUN	PV
2015	7	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Tell City Solar Park	IN	59482	STELL	1.0	Solar Photovoltaic	SUN	PV
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN1	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN2	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN3	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF2	95.4	Onshore Wind Turbine	WND	WT
2015	7	59279	Nitro Solar, LLC	IPP	Nitro Solar	NC	59501	NITRO	5.0	Solar Photovoltaic	SUN	PV
2015	7	59650	Pikes Peak Solar Garden 1 LLC	IPP	Pikes Peak Solar Garden 1 LLC	CO	59848	PPSG1	2.0	Solar Photovoltaic	SUN	PV
2015	7	59706	Rattlesnake Den	IPP	Rattlesnake Den	TX	59943	1	207.2	Onshore Wind Turbine	WND	WT
2015	7	22142	Santa Cruz Cogeneration Assoc	Commercial	Univ of Calif Santa Cruz Cogeneration	CA	50064	003	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	7	59278	Sarah Solar, LLC	IPP	Sarah Solar	NC	59500	SARAH	5.0	Solar Photovoltaic	SUN	PV
2015	7	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

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, 2015

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	1	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	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	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC1	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC2	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC3	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC4	2.0	Petroleum Liquids	DFO	IC
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	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2015	3	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
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	15298	Talen Montana LLC	IPP	J E Corette Plant	MT	2187	1	153.0	Conventional Steam Coal	SUB	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	3	1.8	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	6	2.7	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	IC4	0.8	Petroleum Liquids	DFO	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	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	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2015	4	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	3	251.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	3	79.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	4	153.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
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	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN2	18.0	Natural Gas Steam Turbine	NG	ST
2015	4	21148	Zapco Energy Tactics Corp	IPP	Oceanside Energy	NY	50348	OS3	0.6	Landfill Gas	LFG	IC
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN2	32.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN3	114.0	Conventional Steam Coal	BIT	ST
2015	5	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED1	42.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED2	22.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID1	19.2	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID2	19.4	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID3	34.8	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISB	18.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISC	20.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISD	20.5	Petroleum Liquids	KER	GT
2015	5	19804	City of Vero Beach - (FL)	Electric Utility	Vero Beach Municipal Power Plant	FL	693	4	56.0	Natural Gas Steam Turbine	NG	ST
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	1	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	2	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	3	0.5	Petroleum Liquids	DFO	IC
2015	5	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN7	0.8	Conventional Steam Coal	BIT	ST
2015	5	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
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	2647	City of Butler - (MO)	Electric Utility	Butler	MO	2115	3	0.6	Petroleum Liquids	DFO	IC
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	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2015	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	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

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

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	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	57427	RockTenn-Battle Creek Mill	Industrial	Battle Creek Mill	MI	58052	2TG	0.8	Natural Gas Steam Turbine	NG	ST
2015	6	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	1	11.5	Natural Gas Steam Turbine	NG	ST
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	7	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P3	53.0	Petroleum Liquids	DFO	GT
2015	7	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Natural Gas Steam Turbine	NG	ST
2015	7	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Natural Gas Steam Turbine	NG	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)
2015	8	59353	AP North Lake I, LP	IPP	AP North Lake I, LP	CA	59610	APNL1	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2015	8	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	8	803	Arizona Public Service Co	Electric Utility	SRB5	AZ	59444	PV1	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2015	8	58770	Balko Wind LLC	IPP	Balko Wind LLC	OK	58900	BAL1	299.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	299.7
2015	8	59251	Brigham Young Univ Idaho	Commercial	BYU\I Central Energy Facility	ID	59496	ST601	4.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	5.6
2015	8	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58239	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	73.0
2015	8	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
2015	8	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
2015	8	57170	EDF Renewable Asset Holdings, Inc.	IPP	Pilot Hill Wind Farm	IL	58898	K4-1	175.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	175.0
2015	8	59155	First Wind O&M, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	8	59155	First Wind O&M, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.2
2015	8	59155	First Wind O&M, LLC	IPP	Route 66 Wind Plant	TX	58681	RT661	150.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	150.0
2015	8	6915	Galena Electric Utility	Electric Utility	Galena Electric Utility	AK	7437	2A	0.4	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.5
2015	8	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Peru Solar Park	IN	59481	SPERU	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	173.0
2015	8	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	8	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
2015	8	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
2015	8	59354	LKL BLBD, LLC	IPP	LKL BLBD, LLC	FL	59611	LKLBB	6.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.0
2015	8	58638	Lenape Solar II, LLC	IPP	Lenape II	IN	58703	1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2015	8	59648	Lockheed Martin Solar System	IPP	Lockheed Martin Solar System	FL	59867	LMSOL	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2015	8	59533	Loy Farm Solar LLC	IPP	Loy Farm Solar	NC	59406	SYS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2015	8	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK8	36.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	36.5
2015	8	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN4	0.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.3
2015	8	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF3	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	8	14395	Palm Springs City of	Commercial	Municipal Cogen Plant	CA	50674	GEN1A	1.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.2
2015	8	59222	Qualcomm Incorporated	Commercial	P Plant	CA	59456	P-TG5	4.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	4.6
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2S	51.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	51.0
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2W	30.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	30.0
2015	8	59589	Rockfish Solar LLC	IPP	Rockfish Solar LLC	MD	59811	GEN1	10.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.3
2015	8	59611	Royal Solar	IPP	Royal Solar	NC	59831	FLS1	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2015	8	59199	SolNCPower2, LLC	IPP	GKS Solar	NC	59426	GKS1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	8	59637	SolNCPower6, LLC	IPP	SolNCPower6, LLC	NC	59856	SUN1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	8	59340	Stilleleather Farm, LLC	IPP	Stilleleather Farm	NC	59595	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	8	59560	SunE Solar XVII Project 1, LLC	IPP	Fiddler's Canyon #1	UT	59787	FID1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2015	8	59561	SunE Solar XVII Project 2, LLC	IPP	Fiddler's Canyon #2	UT	59786	FID2	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2015	8	59695	SunE Solar XVII Project 3, LLC	IPP	Fiddler's Canyon 3	UT	59932	FID3	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	8	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	8	58658	Sunlight Partners	IPP	Melinda Solar	NC	59502	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	8	58658	Sunlight Partners	IPP	Porter Solar	NC	59504	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	8	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	8	58661	Sustainable Power Group, LLC	IPP	Hayworth Solar	CA	59009	PV1	27.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	27.0
2015	8	58661	Sustainable Power Group, LLC	IPP	Redorest Solar Farm	CA	58831	PV-1	16.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	16.8
2015	8	58661	Sustainable Power Group, LLC	IPP	SEPV Palmdale East	CA	59273	PALME	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2015	8	58661	Sustainable Power Group, LLC	IPP	Sterlington Greenworks LLC	NY	59275	STERG	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2015	8	58661	Sustainable Power Group, LLC	IPP	Suter Greenworks LLC	NY	59274	SUTTG	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	8	59609	TWE Kinston Solar	IPP	Kinston Solar	NC	59832	FLS1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	8	59610	TWE Laurinburg Solar	IPP	Laurinburg Solar	NC	59833	FLS1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	8	59519	TerraForm Solar VII, LLC	IPP	RGS-Rutland VMM SREC II Project (MA)	MA	59777	1	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2015	8	56918	University of California San Diego	Commercial	University of California San Diego	CA	57584	BS1	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2015	8	19876	Virginia Electric & Power Co	Electric Utility	Philip Morris	VA	59911	1	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2015	8	58716	Windsor Cooper Hill Solar, LLC	IPP	Windsor Cooper Hill Solar, LLC	NC	58847	1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	9	59712	AES Tait LLC	IPP	AES Warrior Run Energy Storage Project	MD	59949	BES51	11.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	11.0
2015	9	59211	Adelanto Solar, LLC	IPP	Adelanto Solar, LLC	CA	59441	SAS	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	9	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	9	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG1	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Selma	NC	59956	GEN02	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Smithfield	NC	59955	GEN01	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	Morgan Lancaster 1	CA	59943	ML1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	9	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC8	1.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.8
2015	9	59604	Bulldog Energy Airport LLC	IPP	INDV III	IN	59823	INDY3	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2015	9	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	3.2
2015	9	57365	Consolidated Edison Solutions Inc	IPP	Future Generation Wind	MA	59622	FGMA	7.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	8.0
2015	9	59155	First Wind O&M, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	9	59155	First Wind O&M, LLC	IPP	Cedar Valley Solar Plant	UT	58599	CVSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	9	59304	Foxline Farm, LLC	IPP	Foxline Solar Farm	NC	59563	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	9	57389	IKEA Property Inc	Commercial	IKEA St. Louis 410	MO	59714	IK410	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2015	9	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Crawfordsville Solar Park	IN	59483	SCRAW	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2015	9	59717	Joliet Battery Storage LLC	IPP	Jake Energy Storage Center	IL	59960	JBS	19.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	19.8
2015	9	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK4	31.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	31.4
2015	9	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN3	1.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.0
2015	9	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF4	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	9	56993	NJR Clean Energy Ventures Corporation	IPP	Hanover	NJ	58629	HNOVR	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	9	57457	Newark Energy Center, 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	9	57457	Newark Energy Center, 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	9	57457	Newark Energy Center, 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	9	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	SLR1	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2015	9	56856	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	9	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	34.2
2015	9	17164	Sierra Pacific Industries Inc	Industrial	SPI Anderson 2	CA	59658	GEN1	27.2	Wood/Wood Waste Biomass	WDS	ST	(V) Under construction, more than 50 percent complete	30.2
2015	9	17609	Southern California Edison Co	Electric Utility	Tehachapi Energy Storage Project	CA	59661	TSP1	8.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	8.0
2015	9	59139	SunEdison LLC	IPP	SunE- E Philadelphia Ontario	CA	59916	12307	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2015	9	58661	Sustainable Power Group, LLC	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	9	58661	Sustainable Power Group, LLC	IPP	Spring Hill Road	MA	59839	SHRD1	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2015	9	58661	Sustainable Power Group, LLC	IPP	Woodmere Solar Farm	CA	59008	PV1	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
2015	9	59598	Tooele Army Depot	IPP	Tooele Wind Turbine	UT	59817	GEN03	1.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	1.7
2015	10	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5A	0.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.8
2015	10	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0
2015	10	59694	BG Stewart Solar Farm LLC	IPP	BG Stewart Solar Farm, LLC	NC	59930	NB005	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	10	59476	BRE NC Solar, LLC	IPP	BRE	NC	59706	NB005	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	10	59613	BayWa r.e. Solar Projects LLC	IPP	Newton Grove	NC	59835	GEN1	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 1	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 2	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 5	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 6	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 8	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 9	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN11	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN12	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN4	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN10	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN11	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN2	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN3	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN5	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN6	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	10	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
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	59382	Border Winds Energy, LLC	IPP	Border Winds Wind Farm	ND	59200	1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	10	59503	Capital Dynamics	IPP	Briscoe Wind Farm	TX	59734	BFW	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2015	10	59503	Capital Dynamics	IPP	Green Pastures Wind II	TX	59733	GPII	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0

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	10	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	10	59736	Columbia Solar Energy LLC	IPP	Columbia Solar Energy, LLC	CA	59979	GEN1	19.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.2
2015	10	58468	Dominion Renewable Energy	IPP	Pavant Solar, LLC	UT	59702	1	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2015	10	59206	Downs Farm Solar, LLC	IPP	Downs Farm Solar	NC	59429	DOWN1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	58970	Ecoplexus, Inc	IPP	Shawboro PV1	NC	59155	SHAW1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	10	59155	First Wind O&M, LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	148.0
2015	10	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Pendleton Solar Park	IN	59770	SPEND	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2015	10	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	1	205.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	205.7
2015	10	11208	Los Angeles Department of Water & Power	IPP	Colon PV	CA	59798	W4172	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2015	10	58985	Marion Solar LLC	IPP	Belmont	IN	59172	PV1	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2015	10	58985	Marion Solar LLC	IPP	Marion Solar LNG	IN	59180	PV1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	10	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF5	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	10	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	2	9.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	9.3
2015	10	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	3	9.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	9.3
2015	10	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	10	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	5.2	Other Waste Biomass	OBG	ST	(U) Under construction, less than or equal to 50 percent complete	5.2
2015	10	56545	Pattern Operators LP	IPP	Logans Gap Wind LLC	TX	59442	1	200.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.1
2015	10	59383	Pleasant Valley Wind, LLC	IPP	Pleasant Valley Wind Farm	MN	59201	1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2015	10	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	185.3
2015	10	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	185.3
2015	10	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	255.0
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	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	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	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK1	26.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.4
2015	10	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK2	27.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	27.9
2015	10	58658	Sunlight Partners	IPP	Ellaina Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
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	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	10	59349	Walters Solar (FLS 260)	IPP	Walters Solar (FLS 260)	NC	59603	FLS1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59718	West Chicago Battery Storage LLC	IPP	Elwood Energy Storage Center	IL	59959	WCBS	19.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	19.8
2015	10	58917	West Salisbury Farm LLC	IPP	West Salisbury Farm LLC	NC	59111	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	11	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
2015	11	57369	Apple, Inc	Commercial	Apple Data Center PV3	NC	59474	DCPV3	17.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	17.5
2015	11	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.1	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.1
2015	11	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	11	3046	Duke Energy Progress - (NC)	Electric Utility	DD Fayetteville Solar NC LLC	NC	59117	PV1	23.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	23.1
2015	11	57170	EDF Renewable Asset Holdings, Inc.	IPP	Roosevelt County	NM	58771	GEN1	250.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.0
2015	11	58970	Ecoplexus, Inc	IPP	Bradley PV1	NC	59154	BRAD1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	11	58970	Ecoplexus, Inc	IPP	Old Catawba PV 1	NC	59519	OLDC	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2015	11	58970	Ecoplexus, Inc	IPP	Thornton PV1	NC	59152	THOR1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	11	59380	Enel Green Power NA, Inc.	IPP	Goodwell Wind Project LLC	OK	58998	GWWP	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	58962	Fair Wind Power Partners	IPP	Fair Wind Power	MD	59147	1	30.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	30.0
2015	11	59155	First Wind O&M, LLC	IPP	South Plains Wind Phase I	TX	59384	1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	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	11	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	11	59227	Kay Wind, LLC	IPP	Kay Wind, LLC	OK	59460	KNG1	299.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	299.0
2015	11	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	59.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	64.0
2015	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK5	31.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	31.4
2015	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK6	26.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.9
2015	11	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF5	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	11	56990	NJR Clean Energy Ventures Corporation	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	11	59394	NextEra Energy Resources Breckinridge	IPP	Breckinridge Wind Project LLC	OK	58994	BWP	98.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	98.8
2015	11	59274	SR Hazlehurst, LLC	IPP	SR Hazlehurst	GA	59535	HAZLE	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	11	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK3	37.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	37.2
2015	11	59716	SunE DB24 LLC	IPP	Milford 2	UT	59958	MIL2	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	11	58661	Sustainable Power Group, LLC	IPP	Leavenworth Greenworks LLC	NY	59276	LEAV1	9.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.5
2015	11	58661	Sustainable Power Group, LLC	IPP	SEPV 18	CA	59730	SPV18	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2015	11	56694	Thermo No 1 BE 01 LLC	IPP	Thermo Solar PV-01	UT	59883	SOLAR	2.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.9
2015	12	58703	Apple One LLC	IPP	Apple One	NC	58828	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59029	Arbuckle Mountain Wind Farm LLC	IPP	Arbuckle Mountain Wind Farm LLC	OK	59234	GEN1	100.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	100.0
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV1	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV2	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV3	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV4	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2015	12	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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	165.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	165.0
2015	12	59365	Capital Power Corporation	IPP	Beaufort Solar, LLC	NC	59887	GEN	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.0
2015	12	58508	Carolina Solar Energy III LLC	IPP	Green Farm	NC	59148	GREEN	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58508	Carolina Solar Energy III LLC	IPP	Simons Farm	NC	59149	SIMON	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59730	Carousel Wind Farm, LLC	IPP	Carousel Wind Farm LLC	CO	59975	CW1	150.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	150.0
2015	12	59693	Cline Solar Farm LLC	IPP	Cline Solar Farm, LLC	NC	59929	NB007	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	59692	Coats Solar Farm LLC	IPP	Coats Solar Farm, LLC	NC	59937	NB006	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Kelford	NC	59527	KELF1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Whitakers	NC	59526	WHIT1	12.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.0
2015	12	59707	Conetoe II Solar, LLC	IPP	Conetoe II Solar, LLC	NC	59944	CONE1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2015	12	56769	Consolidated Edison Development Inc.	IPP	Campbell County Wind Farm	SD	59655	CCWF1	97.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	97.8
2015	12	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 3	CA	59900	C3CA	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	58695	Coronal Development Services	IPP	Cornwall Solar Center, LLC	NC	59663	CSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Crestwood Solar Center LLC	NC	59914	CREST	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Freemont Solar Center LLC	NC	59912	FREE	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Hamilts Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	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	Coronal Development Services	IPP	Holdrege Solar Center	NE	59713	HDSC	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58695	Coronal Development Services	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	Coronal Development Services	IPP	Littlefield Solar Center LLC	NC	58809	LSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	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	Coronal Development Services	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	59464	Current Energy Group	IPP	Aspen Solar, LLC	NC	59694	GEN1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59464	Current Energy Group	IPP	Balsam	NC	59828	S375	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	59464	Current Energy Group	IPP	Hickory	NC	59829	S515	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	59464	Current Energy Group	IPP	Sweetgum Solar	NC	59824	S732	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58468	Dominion Renewable Energy	IPP	Marin Carport	CA	59703	1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2015	12	58468	Dominion Renewable Energy	IPP	Richland Solar Center	GA	59874	PV1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Camp Lejeune Solar	NC	59966	PV1	12.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	12.8
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Elm City Solar Facility	NC	59164	NSC 1	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Warsaw Farm	NC	58848	1	65.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	65.0
2015	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Milo Wind Project LLC	NM	59838	GEN1	50.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	50.0
2015	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Slate Creek Wind Project LLC	KS	59837	GEN1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2015	12	58970	Ecoplexus, Inc	IPP	American Legion PV 1	NC	59516	AMLEG	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2015	12	58970	Ecoplexus, Inc	IPP	Little River PV 1	NC	59521	LTLRV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Ouchchy PV1	NC	59999	OUCH1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	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
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	59380	Enel Green Power NA, Inc.	IPP	Little Elk Wind Project LLC	OK	58999	LEWP	74.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	74.0
2015	12	59380	Enel Green Power NA, Inc.	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	12	59735	Enerparc CA2, LLC	IPP	Enerparc CA2, LLC	CA	59979	ECA22	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5
2015	12	59745	First Solar Asset Management	IPP	Kingbird Solar LLC	CA	59868	GEN01	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2015	12	56625	Flat Water Wind Farm LLC	IPP	Flat Water 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	6452	Florida Power & Light Co	Electric Utility	Daytona International Speedway Solar	FL	60006	1	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	6452	Florida Power & Light Co	Electric Utility	FIU Solar	FL	60006	1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	59742	GASNA 31P LLC	IPP	Moretos del Sol	CA	60007	MORLS	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
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	7353	Golden Valley Elec Assn Inc	Electric Utility	Healy	AK	6288	2	50.0	Conventional Steam Coal	LIG	ST	(TS) Construction complete, but not yet in commercial operation	50.0
2015	12	59729	Golden West Power Partners, LLC	IPP	Golden West Power Partners LLC	CO	59974	GW1	250.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	250.0

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	12	59008	Guernsey 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	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	12	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	12	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	12	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	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	9267	Hoosier Energy R E C, Inc	Electric Utility	Ellettsville Solar RES	IN	59985	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Lanesville Solar RES	IN	59984	PV1	1.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.1
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	New Castle Solar RES	IN	59981	PV1	1.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.1
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	New Haven Solar RES	IN	59983	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.1
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Scotland Solar RES	IN	59982	PV1	1.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.1
2015	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2015	12	9324	Indiana Michigan Power Co	Electric Utility	Deer Creek PV	IN	59855	DCPV1	2.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.5
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	58679	Kirkwall Holdings, LLC	IPP	Kirkwall Holdings	NC	58791	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59355	LKL Kingfisher, LLC	IPP	LKL Kingfisher, LLC	FL	59612	LKLKF	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2015	12	59245	Lanier Solar	IPP	Lanier Solar	NC	59486	LANIE	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
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	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	212.2	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	212.2
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5	118.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	118.9
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	89.0
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	89.0
2015	12	59341	Maricopa West Solar PV, LLC	IPP	Maricopa West Solar	CA	59607	MWS	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	59691	Meadowbrook Solar Farm LLC	IPP	Meadowbrook Solar Farm	NC	59936	NB008	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	12341	MidAmerican Energy Co	Electric Utility	Adams Wind	IA	59637	ADWF	150.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	153.4
2015	12	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF7	8.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	9.4
2015	12	59668	Mount Olive Solar LLC	IPP	Mount Olive Solar	NC	59908	2MWPV	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2015	12	59262	NRG Solar Oasis, LLC	IPP	NRG Solar Oasis LLC	CA	59528	OASIS	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58833	WT1	25.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	25.0
2015	12	13407	Nevada Power Co	Electric Utility	Nellis Solar PV II	NV	59919	NSPV2	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.0
2015	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
2015	12	58477	O2energies, Inc.	IPP	Gates Solar LLC	NC	58673	GATES	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58477	O2energies, Inc.	IPP	Yadkinville Solar	NC	59950	YAK	3.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.5
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG1	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG10	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG2	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG3	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG4	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG5	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG6	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG7	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG8	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG9	0.6	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0.6
2015	12	59143	Old Mill Solar	IPP	Old Mill Solar	OR	59374	OMSLR	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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	(V) Under construction, more than 50 percent complete	435.0
2015	12	59016	Passadumkeag Windpark LLC	IPP	Passadumkeag Windpark LLC	ME	59223	QS7	39.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	39.9
2015	12	56545	Pattern Operators LP	IPP	Fowler Ridge IV Wind Farm LLC	IN	59547	1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2015	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
2015	12	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0001	40.2	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	42.1
2015	12	15477	Public Service Elec & Gas Co	Electric Utility	L&D Landfill Solar	NJ	59601	L&D	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	12	59514	River Mountains Solar, LLC	IPP	River Mountains Solar	NV	59747	1	14.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.4
2015	12	59710	SR Camden, LLC	IPP	SR Camden	AR	59947	AERO	12.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.0
2015	12	59428	Sendero Wind Energy, LLC	IPP	Sendero Wind Energy	TX	59654	1	78.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	78.0
2015	12	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK4	35.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.7
2015	12	59744	Solar Star Colorado III, LLC	IPP	Hooper Solar	CO	60008	SCCO3	52.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	52.0
2015	12	58674	Sonne One, LLC	IPP	Sonne One	NC	58782	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	17650	Southern Power Co	IPP	Butler Solar Farm 20	GA	59891	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	17650	Southern Power Co	IPP	Decatur County Solar Project	GA	59449	DCSP1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	17650	Southern Power Co	IPP	Decatur Parkway Solar Project, LLC	GA	59450	DPSP1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2015	12	17650	Southern Power Co	IPP	Pawpaw Solar Plant	GA	59894	1	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2015	12	59318	Soy Solar LLC	IPP	Soy Solar	NC	59571	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Amethyst Solar	NC	58730	PV1	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Andrew Solar	NC	59497	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Angel Solar	NC	58731	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Beelle Solar	NC	59511	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58658	Sunlight Partners	IPP	Buddy Solar	NC	58735	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58658	Sunlight Partners	IPP	Candace Solar	NC	59499	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN 1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	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	12	58658	Sunlight Partners	IPP	Chei Solar	NC	59508	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Flash Solar	NC	58726	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Happy Solar	NC	59512	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58658	Sunlight Partners	IPP	Husky Solar	NC	59510	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Jacob Solar	NC	59503	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Kenneth Solar	NC	59507	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Murdock Solar	NC	59509	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58658	Sunlight Partners	IPP	Owen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Quincy Solar	NC	59506	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58658	Sunlight Partners	IPP	Shadow Solar	NC	58744	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015	12	58658	Sunlight Partners	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2015	12	58658	Sunlight Partners	IPP	Star Solar	NC	58746	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Sun Devil Solar	NC	59505	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58658	Sunlight Partners	IPP	Tracy Solar	NC	59498	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2015	12	58661	Sustainable Power Group, LLC	IPP	Citizen B	CA	59738	CSB	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58661	Sustainable Power Group, LLC	IPP	Latigo Wind Park	UT	59965	LTIGO	62.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.1
2015	12	58661	Sustainable Power Group, LLC	IPP	Sandstone Solar	AZ	59634	SNDST	45.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	45.0
2015	12	59576	TWE Kelford Solar Project, LLC	IPP	Kelford	NC	59796	FLS1	4.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	18454	Tampa Electric Co	Electric Utility	TIA Solar	FL	59769	1	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	59412	Tarboro Solar LLC	IPP	Tarboro Solar	NC	59648	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST	(V) Under construction, more than 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	54906	Tradewind Energy, Inc.	IPP	Drift Sand Wind Project LLC	OK	59065	WT1	109.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.8
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	(V) Under construction, more than 50 percent complete	80.0
2015	12	59690	Vance Solar Farm LLC	IPP	Vance Solar Farm, LLC	NC	59928	NB007	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	19876	Virginia Electric & Power Co	Electric Utility	Merck	VA	59905	1	2.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.1
2015	12	19876	Virginia Electric & Power Co	Electric Utility	Western Branch High School	VA	59904	1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
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	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	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	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2015	12	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2015	12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	199.0
2015	12	58984	Winton Solar LLC	IPP	Winton Solar	NC	59177	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	1	59725	Ariel Solar, LLC	IPP	Bloomsbury Solar, LLC	NC	59970	BLOOM	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	1	59474	BQ Energy LLC	IPP	Steel Sun	NY	59705	SSUN2	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN01	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN02	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN03	3.4	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.4

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	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN04	3.4	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.4
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN05	3.4	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.4
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN06	3.4	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.4
2016	1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN07	3.4	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.4
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	240.0
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	ST001	315.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	315.0
2016	1	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
2016	1	6455	Duke Energy Florida, Inc	Electric Utility	Central Florida Solar Facility	FL	59973	XXXXX	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2016	1	58865	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	59491	Seville Solar One LLC	IPP	Seville 1	CA	59722	SEV1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	1	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK5	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	1	59138	SunPower Corporation, Systems	IPP	Quinto Solar PV Project	CA	59339	SSC13	105.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	108.0
2016	1	57249	Suncook Energy LLC	IPP	Nashua Plant	NH	55006	UNT3	1.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2016	2	58981	Bethel Solar LLC	IPP	Bethel Solar	NC	59173	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	2	59259	Blackwell Solar Park, LLC	IPP	Blackwell Solar Park	CA	59524	FRBSP	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	2	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56B19	148.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	148.7
2016	2	6455	Duke Energy Florida, Inc	Electric Utility	Osceola Solar Facility	FL	59954	XXXXX	3.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.8
2016	2	58970	Ecoplexus, Inc	IPP	Meadows PV 1	NC	59513	MEAD1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	2	59759	Grant Wind, LLC	IPP	Grant Wind, LLC	OK	60013	GRANT	151.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	151.8
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	58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK	58902	KNG1	298.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	298.0
2016	2	58461	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK7	41.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	41.9
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	10	9.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	11	9.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	12	9.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	2	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	2	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	2	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	2	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	2	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	2	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58429	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2016	2	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK6	36.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	36.6
2016	2	58982	Woodland Solar LLC	IPP	Woodland Solar	NC	59175	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	3	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	3	59480	Aulander Solar LLC	IPP	Aulander Solar	NC	59707	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	59247	Bearford Solar II LLC	IPP	Bearford Solar II	NC	59488	BEARF	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2016	3	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58871	Citizens Enterprises Corporation	IPP	Hunt Road Solar	MA	59927	PV1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2016	3	58970	Ecoplexus, Inc	IPP	Baker PV 1	NC	59517	BAKE1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	59481	Franklinton Solar LLC	IPP	Franklinton Solar	NC	59708	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	59402	Garysburg Solar LLC	IPP	Garysburg Solar	NC	59641	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	3	59246	Highwater Solar I	IPP	Highwater Solar I	NC	59487	HIGHW	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2016	3	59285	Innovative Solar 6, LLC	IPP	Innovative Solar 6	NC	59542	IS6	3.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.6
2016	3	59980	Lillington Solar LLC	IPP	Lillington Solar	NC	59921	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	58461	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	41.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	41.9
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	3	59322	Misenheimer Farm, LLC	IPP	Misenheimer Farm	NC	59577	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	3	9436	Mosaic Phosphates Co.	Industrial	Mosaic Phosphates Uncle Sam	LA	10186	GEN3	15.0	All Other	OTH	ST	(U) Under construction, less than or equal to 50 percent complete	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	(V) Under construction, more than 50 percent complete	435.0
2016	3	59682	Pollocksville Solar LLC	IPP	Pollocksville Solar	NC	59917	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT1	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT2	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT3	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT4	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT5	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT6	8.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	8.5
2016	3	59681	Smithfield Solar LLC	IPP	Smithfield Solar LLC	NC	59920	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	59605	South Louisburg Solar LLC	IPP	South Louisburg Solar	NC	59825	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	3	24211	Tucson Electric Power Co	Electric Utility	Fort Huachuca Solar PV Project	AZ	58972	FHUA2	4.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.1
2016	3	58153	US Magnesium	Industrial	US Magnesium	UT	58191	GT4	24.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	30.0
2016	3	59347	W Power LLC	IPP	Nicolls Solar PV Plant	CA	59600	GEN1	19.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	3	59347	W Power LLC	IPP	Tropico Solar PV Plant	CA	59599	GEN1	13.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	14.0
2016	4	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	4	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	4	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	4	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	4	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	4	772	Archer Daniels Midland Co	Industrial	Archer Daniels Midland Cedar Rapids	IA	10864	GEN7	35.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	38.5
2016	4	59474	BQ Energy LLC	IPP	Kings Park Solar I	NY	59880	KIPS1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	4	59474	BQ Energy LLC	IPP	Kings Park Solar II	NY	59881	KIPS2	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	4	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	04	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2016	4	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	05	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2016	4	59429	Comanche LLC	IPP	Comanche Solar	CO	59656	COMCH	120.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	120.0
2016	4	56769	Consolidated Edison Development Inc.	IPP	OCI Alamo 5 LLC	TX	59205	OCIA5	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	1	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	2	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	3	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	4	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	5	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	6	2.3	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	2.7
2016	4	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
2016	4	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
2016	4	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
2016	4	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK2	21.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	21.0
2016	4	57193	Moapa Southern Paiute LLC	IPP	Moapa Southern Paiute	NV	57859	1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
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	2.9
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	2.2
2016	4	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK7	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	4	58961	Sustainable Power Group, LLC	IPP	Eden Solar LLC	NC	59779	EDEN5	47.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	47.7
2016	4	58961	Sustainable Power Group, LLC	IPP	SEPV Mojave West	CA	59740	SPVMW	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2016	4	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	4	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	4	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	4	59731	Windham Solar LLC	IPP	Lebanon Solar 1	CT	59991	LEB1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	4	59731	Windham Solar LLC	IPP	Lebanon Solar 2	CT	59992	LEB2	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
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	(U) Under construction, less than or equal to 50 percent complete	131.8
2016	5	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	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	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK2	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	202.0
2016	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK3	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	202.0
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Harding Street	IN	990	BAT1	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0

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	5	11208	Los Angeles Department of Water & Power	IPP	Foothill Solar Project	CA	59799	W4528	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	5	59120	Los Vientos Windpower IV, LLC	IPP	Los Vientos Windpower IV	TX	59321	GEN1	2.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	5	59669	Louisburg Solar LLC	IPP	Louisburg Solar	NC	59895	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2016	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2016	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2016	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
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	300.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	300.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN2	200.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	200.0
2016	5	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK8	16.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	16.2
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT01	263.9	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	263.9	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	263.9	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	579.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	579.7
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AU1	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	226.9
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AU2	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	226.9
2016	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Mountain Village	AK	6329	4A	0.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.8
2016	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	11	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	12	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	13	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	14	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	15	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	16	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	17	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	18	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	19	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	20	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	21	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	22	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	57421	BayWa r.e Wind LLC	IPP	Chopin Wind LLC	OR	59078	WT1	10.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	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
2016	6	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	71.0
2016	6	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	SEG	1.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.0
2016	6	58970	Ecoplexus, Inc	IPP	Berthall Bridge PV 1	NC	59515	BENT1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	58970	Ecoplexus, Inc	IPP	Flat Meeks PV 1	NC	59514	FLAT1	3.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
2016	6	58970	Ecoplexus, Inc	IPP	Grandy PV 1	NC	59518	GRAND	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	58970	Ecoplexus, Inc	IPP	Manning PV 1	NC	59520	MANN	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2	138.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	250.0
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. 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	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	464.0
2016	6	58905	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	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	6	59403	Gaston Solar LLC	IPP	Gaston Solar	NC	59642	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	7140	Georgia Power Co	Electric Utility	Fort Benning Solar Facility	GA	59862	1	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	6	7801	Gulf Power Co	Electric Utility	Perdido	FL	57602	3	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	6	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59440	Innovative Solar 23, LLC	IPP	Innovative Solar 23	NC	59670	IS023	1.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.9
2016	6	59442	Innovative Solar 33, LLC	IPP	Innovative Solar 33	NC	59672	IS033	30.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.5
2016	6	59443	Innovative Solar 34, LLC	IPP	Innovative Solar 34	NC	59673	IS034	47.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	47.7
2016	6	59435	Innovative Solar 37, LLC	IPP	Innovative Solar 37	NC	59665	IS037	78.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	78.7
2016	6	59444	Innovative Solar 38, LLC	IPP	Innovative Solar 38	NC	59674	IS038	34.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	34.0
2016	6	59445	Innovative Solar 44, LLC	IPP	Innovative Solar 44	NC	59675	IS044	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2016	6	59441	Innovative Solar 46, LLC	IPP	Innovative Solar 46	NC	59671	IS046	78.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	78.5
2016	6	59436	Innovative Solar 47, LLC	IPP	Innovative Solar 47	NC	59666	IS047	33.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2016	6	59437	Innovative Solar 48, LLC	IPP	Innovative Solar 48	NC	59667	IS048	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2016	6	59438	Innovative Solar 53, LLC	IPP	Innovative Solar 53	NC	59668	IS053	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	6	59439	Innovative Solar 54, LLC	IPP	Innovative Solar 54	NC	59669	IS054	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	6	59446	Innovative Solar 55, LLC	IPP	Innovative Solar 55	NC	59676	IS044	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	59447	Innovative Solar 64, LLC	IPP	Innovative Solar 64	NC	59677	IS064	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2016	6	59448	Innovative Solar 67, LLC	IPP	Innovative Solar 67	NC	59678	IS067	33.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.3
2016	6	59449	Innovative Solar 68, LLC	IPP	Innovative Solar 68	NC	59679	IS068	48.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.3
2016	6	59450	Innovative Solar 71, LLC	IPP	Innovative Solar 71	NC	59680	IS071	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	59451	Innovative Solar 72, LLC	IPP	Innovative Solar 72	NC	59681	IS072	33.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.5
2016	6	59401	Jamesville Solar LLC	IPP	Jamesville Solar	NC	59640	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59343	Maricopa East Solar PV, LLC	IPP	Maricopa East Solar	CA	59609	MES	18.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.0
2016	6	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK3	39.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	39.6
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR1	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR2	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR3	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR4	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR5	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR6	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	59099	New Dimension Energy Company, LLC	IPP	Westwind Trust	CA	54258	WTGS	15.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.6
2016	6	58109	President & Trustees of Williams College	Commercial	Williams College - Campus CHP	MA	58160	GEN3	1.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.2
2016	6	59404	Seaboard Solar LLC	IPP	Seaboard Solar LLC	NC	59643	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	59492	Seville Solar Two LLC	IPP	Seville 2	CA	59723	SEV2	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG01	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG02	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG03	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG04	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG05	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG06	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG07	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG08	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG09	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG10	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG11	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG12	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	1	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	2	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	3	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	58661	Sustainable Power Group, LLC	IPP	Lancaster WAD B	CA	59739	LWAD8	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	58661	Sustainable Power Group, LLC	IPP	Western Antelope Blue Sky B	CA	59961	WABSB	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	59569	TWE Ahoskie Solar Project, LLC	IPP	Ahoskie	NC	59795	FLS1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	11	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	12	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	7	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG3	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	7	56769	Consolidated Edison Development Inc.	IPP	Oro Loma	CA	59915	ORCA	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	7	56615	First Solar Project Development	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	59155	First Wind O&M, LLC	IPP	Escalante Solar I, LLC	UT	59387	ESC51	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	7	9324	Indiana Michigan Power Co	Electric Utility	Twin Branch PV	IN	59861	TBPV1	2.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.6
2016	7	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2016	7	59342	Maricopa West Solar PV 2, LLC	IPP	Maricopa West Solar 2	CA	59608	MWS2	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
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	59938	BEAC5	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Aspiration G	CA	59737	ASPRG	9.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Elevation Solar C	CA	59964	ELVSC	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0

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	7	58661	Sustainable Power Group, 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	58661	Sustainable Power Group, 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	58661	Sustainable Power Group, 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	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	7	19876	Virginia Electric & Power Co	Electric Utility	Remington Solar Facility	VA	59685	01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	7	59330	Wommack Farm, LLC	IPP	Wommack Farm	NC	59589	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	8	59273	825K 8me, LLC	IPP	Springbok Solar Farm 1	CA	59532	SB1	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2016	8	59616	635U 8me, LLC	IPP	Springbok Solar Farm 2	CA	59840	SB2	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2016	8	58997	705M 8me LLC	IPP	Calipatria Solar Farm	CA	59088	GEN 1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
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	59709	Granite Mountain Solar East LLC	IPP	Granite Mountain Solar East	UT	59946	GMSE	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2016	8	59708	Granite Mountain Solar West, LLC	IPP	Granite Mountain Solar West	UT	59945	GMSW	51.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	51.3
2016	8	59705	Iron Springs Solar, LLC	IPP	Iron Springs Solar	UT	59941	ISS	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
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	8	59253	Oregon Windfarms, LLC	IPP	Benson Creek Windfarm	OR	59491	BCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Durbin Creek Windfarm	OR	59492	DCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Jett Creek Windfarm	OR	59490	JCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Prospector Windfarm	OR	59493	PW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Willow Spring Windfarm	OR	59494	WSW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59728	RE Astoria 2 LLC	IPP	RE Astoria 2	CA	59977	ASTR2	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2016	8	59727	RE Astoria LLC	IPP	RE Astoria	CA	59976	ASTR1	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2016	8	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	9	55918	Acciona Wind Energy USA LLC	IPP	San Roman Wind I, LLC	TX	59712	SRWI	93.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	93.0
2016	9	213	Alaska Electric Light&Power Co	Electric Utility	Industrial Plant	AK	59793	15	25.0	Petroleum Liquids	DFO	GT	(L) Regulatory approvals pending. Not under construction	25.0
2016	9	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59520	BWC Origination 5, LLC	IPP	BlueWave Capital-Mattapoisett (SREC II)	MA	59753	1	0.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	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
2016	9	58970	Ecoplexus, Inc	IPP	Turkey Creek PV1	NC	60000	TRKCK	13.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	13.5
2016	9	58970	Ecoplexus, Inc	IPP	Vaughn Creek PV1	NC	60001	VNCRK	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 1, LLC	CA	59870	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 2, LLC	CA	59885	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	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	9	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	BES5	28.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	30.0
2016	9	59628	Infigen Energy US Development 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
2016	9	59628	Infigen Energy US Development LLC	IPP	Wildwood Solar LLC	CA	59253	PV1	14.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016	9	59755	Murphy Flat Power, LLC	IPP	Murphy Flat Solar	ID	60009	IPMF	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	107.0
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	1	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	2	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	3	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	4	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	5	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
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	9	59741	RE Roserock	IPP	RE Roserock	TX	59994	ROSEK	157.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	160.0
2016	9	59700	RE Tranquillity LLC	IPP	RE Tranquillity	CA	59939	TQ	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	205.3
2016	9	59662	Riverside Fuel Cell, LLC	Commercial	Riverside RWQCP Fuel Cell	CA	59877	MB20	1.4	Other Waste Biomass	OBG	FC	(P) Planned for installation, but regulatory approvals not initiated	1.4
2016	9	58845	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
2016	9	58836	Sunwind Energy Solutions, LLLP	IPP	Sunwind Doyle Wind	KS	58976	SNWND	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	9	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
2016	9	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
2016	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
2016	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
2016	10	59758	American Falls Solar II, LLC	IPP	American Falls Solar II	ID	60012	IPAF2	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	59757	American Falls Solar LLC	IPP	American Falls Solar	ID	60011	IPAF	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	57369	Apple, Inc	Industrial	Apple Campus 2 Fuel Cell	CA	59557	AC2FC	4.0	Other Waste Biomass	OBG	FC	(T) Regulatory approvals received. Not under construction	4.0
2016	10	57369	Apple, Inc	Industrial	Apple Campus 2 PV	CA	59473	AC2PV	14.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.4
2016	10	58660	Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58792	PV1	19.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.4
2016	10	59594	Black Oak Wind Farm LLC	IPP	Black Oak Wind Farm	NY	59813	NA	16.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	16.1
2016	10	57170	EDF Renewable Asset Holdings, 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	59155	First Wind O&M, LLC	IPP	Escalante Solar II, LLC	UT	59388	ESC52	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	ESC53	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59258	Five Points Solar Park, LLC	IPP	Five Points Solar Park	CA	59523	FRFSP	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2016	10	59257	Giffen Solar Park, LLC	IPP	Giffen Solar Park	CA	59522	FRGSP	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	10	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
2016	10	9324	Indiana Michigan Power Co	Electric Utility	OlivePV	IN	59854	OLPV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	10	9324	Indiana Michigan Power Co	Electric Utility	Watervliet PV	MI	59853	WVPV1	4.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.6
2016	10	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
2016	10	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
2016	10	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
2016	10	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
2016	10	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
2016	10	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 1	TX	59005	MAR1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
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	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
2016	10	58887	Michelangelo Wind 3 LLC	IPP	Michelangelo Wind 3 LLC	IA	59053	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	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
2016	10	59634	North Star Solar PV LLC	IPP	North Star Solar Project	MN	59852	NSSP1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	10	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
2016	10	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
2016	10	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
2016	10	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
2016	10	59019	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	3.0
2016	10	59756	Orchard Ranch Solar, LLC	IPP	Orchard Ranch Solar	ID	60010	IPOR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	58938	Parney, LLC	IPP	Henrietta Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	102.0
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	58661	Sustainable Power Group, LLC	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
2016	10	58661	Sustainable Power Group, LLC	IPP	Con Dios Solar 3	CA	59263	CON03	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	10	59056	Tri Global Energy, LLC	IPP	Bearkat	TX	59973	BRKAT	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
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	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
2016	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
2016	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
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	10	59260	Wright Solar Park, LLC	IPP	Wright Solar Park	CA	59525	FRWSP	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2016	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT	(OT) Other	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	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV01	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2016	11	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV02	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2016	11	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
2016	11	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	BECK2	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	11	6452	Florida Power & Light Co	Electric Utility	Babcock Solar Energy Center	FL	59993	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2016	11	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	12	59272	41MB 8me, LLC	IPP	Borden Solar Farm	CA	59531	BRDN	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	12	59482	Ameresco Tempe	IPP	St. Paul Intl Airport Red & Blue Parking	MN	59709	PV1	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind One LLC	IL	58925	SAN1	30.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	30.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind Two LLC	IL	58926	SAN2	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	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
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

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	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58625	Black Oak Wind, LLC	IPP	Black Oak Wind Farm	MN	58692	1	78.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	78.0
2016	12	59365	Capital Power Corporation	IPP	CP Bloom Wind LLC	KS	59888	GEN	180.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	180.0
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	59193	CHA1	236.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	236.0
2016	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
2016	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
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP1	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP2	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP3	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP4	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
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	58695	Coronal Development Services	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	58695	Coronal Development Services	IPP	Gulf Coast Solar Center I	FL	59689	GCSC1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center II	FL	59690	GCSC2	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center III	FL	59691	GCSC3	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2016	12	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
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	56215	E ON Climate Renewables N America LLC	IPP	Colbec's Corner, LLC	TX	59068	GVII	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016	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
2016	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
2016	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
2016	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
2016	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
2016	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
2016	12	58970	Ecoplexus, Inc	IPP	Boykin PV1	NC	59998	BOYK1	17.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	17.0
2016	12	58970	Ecoplexus, Inc	IPP	E Nash PV1	NC	60002	NASH1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2016	12	58970	Ecoplexus, Inc	IPP	Round Hill PV1	NC	59998	RNDHL	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Willoughby PV 1	NC	60003	WILL1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Lindahl Wind Project, LLC	ND	58684	LWP01	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	59380	Enel Green Power NA, 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
2016	12	59380	Enel Green Power NA, Inc.	IPP	South Fork Wind Farm	MN	58691	STFK1	13.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	13.0
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	Horse Thief Wind Project, LLC	MT	59758	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Mud Springs Wind Project, LLC	MT	59756	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Pryor Caves Wind Project, LLC	MT	59757	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
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	56615	First Solar Project Development	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	56615	First Solar Project Development	IPP	North Rosamond Solar LLC	CA	59879	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	56615	First Solar Project Development	IPP	Playa Solar	NV	59827	GEN01	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56615	First Solar Project Development	IPP	Sunshine Valley Solar	NV	59826	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar A LLC	CA	59878	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar B, LLC	CA	59969	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	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
2016	12	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	12	59155	First Wind O&M, LLC	IPP	Milford Wind Corridor Phase III	UT	57546	1	106.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	106.0
2016	12	59155	First Wind O&M, LLC	IPP	Millani South PV	HI	58281	1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	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	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWP1	131.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	131.1
2016	12	7140	Georgia Power Co	Electric Utility	Fort Gordon Solar Facility	GA	59863	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Fort Stewart Solar Facility	GA	59865	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	King's Bay Solar Facility	GA	59864	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Marine Corps Logistics Base Solar Facility	GA	59876	1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	46.0
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	59633	Great Bay Solar I LLC	IPP	Great Bay Solar 1	MD	59851	GBS01	57.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	9267	Hoosier Energy R E C, Inc	Electric Utility	Decatur Co. Solar RES (IN)	IN	59988	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Henryville Solar RES	IN	59986	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Jackson Co. Solar RES	IN	59989	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Johnson Co. Solar RES	IN	59990	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Spring Mill Solar RES	IN	59987	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
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	59628	Infigen Energy US Development 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	59628	Infigen Energy US Development LLC	IPP	Caprock Solar 1 LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2016	12	59628	Infigen Energy US Development LLC	IPP	Caprock Solar 2 LLC	NM	59849	PV1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2016	12	59628	Infigen Energy US Development 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	59678	KDC Solar PR1, LLC	IPP	KDC Solar PR1, LLC	NJ	59910	SF	22.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.0
2016	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
2016	12	58688	Kelly Energy LLC	IPP	Kelly	PA	58817	GEN1	3.0	Natural Gas Internal Combustion Engine	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	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	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	12	56910	Lanai Sustainability Research LLC	IPP	Millani South Solar Farm	HI	57243	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	59316	Laurinburg Industrial Solar LLC	IPP	Laurinburg Industrial Solar	SC	59569	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
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	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
2016	12	55983	Luminant Generation Company LLC	IPP	Horseshoe Bend	TX	59806	SOLAR	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2016	12	58850	Mariah South LLC	IPP	Mariah Renewable Energy Center Phase 2	TX	59007	MAR S	99.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	12	59469	Mountain Home Solar, LLC	IPP	Mountain Home Solar	ID	59695	MHPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	A	110.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	110.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	B	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2016	12	56622	NextEra Energy Resources	IPP	Marshall Solar Energy Project	MN	58675	PV1	62.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	62.3
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	58477	O2energies, Inc.	IPP	Five Forks Solar	NC	59951	5FRK	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	56676	Panoche Valley Solar LLC	IPP	Panoche Valley Solar Farm	CA	57340	1	247.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	247.7
2016	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
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	59470	Pocatello Solar 1, LLC	IPP	Pocatello Solar	ID	59696	PAPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59010	Rhubarb One LLC	IPP	Rhubarb One SC	SC	59596	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
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	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	59080	Soleil Energy Solutions, LLC	IPP	Westside Solar Farm	NC	59258	WEST1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2016	12	59696	Soluga Farms IV	IPP	Soluga Farms IV	NC	59934	SFIV	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2016	12	58960	Southbridge Recycling and Disposal Park, Inc	IPP	Southbridge Landfill Gas-to-Energy	MA	59011	CAT2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	12	17650	Southern Power Co	IPP	Butler Solar Project 103	GA	59896	1	103.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	103.0
2016	12	17650	Southern Power Co	IPP	Taylor County Solar	GA	59897	1	148.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	148.0
2016	12	58661	Sustainable Power Group, LLC	IPP	Central Antelope Dry Ranch C	CA	59963	CADRC	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58661	Sustainable Power Group, LLC	IPP	North Lancaster Ranch	CA	59962	NLR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59317	Toprak LLC	IPP	Toprak	NC	59570	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59056	Tri Global Energy, LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	288.0
2016	12	59056	Tri Global Energy, LLC	IPP	Fiber Winds	TX	59244	FIBE1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80.0
2016	12	59056	Tri Global Energy, LLC	IPP	Fluvanna	TX	59245	FLUV1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	12	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GOOD1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
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	58796	Trishe Wind Colorado	IPP	Trishe Wind Colorado	CO	58928	1	30.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	30.0
2016	12	56633	Trishe Wind Minnesota	IPP	Trishe Wind Minnesota	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0

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	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	49.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	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	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	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
2016	12	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
2017	1	59306	Bearford Power, LLC	IPP	Bearford Farm Solar Project	NC	59567	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
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	3892	City of Coffeyville - (KS)	Electric Utility	CM&AP Generating Facility No. 2	KS	59726	10	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CM&AP Generating Facility No. 2	KS	59726	8	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CM&AP Generating Facility No. 2	KS	59726	9	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
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	59306	Keen Farm, LLC	IPP	Keen Farm	NC	59565	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	59320	Manway Solar, LLC	IPP	Manway Solar Farm	NC	59575	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59323	Monroe Moore Farm, LLC	IPP	Monroe Moore Farm	NC	59578	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59333	Pit 64 Farm, LLC	IPP	Pit 64	NC	59588	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2017	1	59335	Sandy Ridge Solar Farm, LLC	IPP	Sandy Ridge Solar Farm	NC	59590	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59337	Sedberry Farm, LLC	IPP	Sedberry Farm	NC	59592	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59338	Spring Valley Farm 2, LLC	IPP	Spring Valley Farm 2, LLC	NC	59593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59339	Spring Valley Farm, LLC	IPP	Spring Valley Farm	NC	59594	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	59328	Tart Farm, LLC	IPP	Tart Farm	NC	59583	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	1	59329	Wellons Farm, LLC	IPP	Wellons Farm	NC	59584	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59331	Woodland Church Farm, LLC	IPP	Woodland Church Farm	NC	59586	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	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	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
2017	3	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
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	(T) Regulatory approvals received. 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	(T) Regulatory approvals received. 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)	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)	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)	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	CTG1	209.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CTG2	209.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	STG1	238.8	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	260.5
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	131.8
2017	5	58597	Environmission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	ST	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT4	318.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT5	318.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	STG6	485.2	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	501.3
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	230.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	285.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT1	310.3	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 Generation Facility	MD	59220	CT2	310.3	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 Generation Facility	MD	59220	ST1	493.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	493.0
2017	5	59336	Schell Solar Farm, LLC	IPP	Schell Solar Farm	NC	59591	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2017	6	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	CT08	37.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	40.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG5	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG6	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG2	414.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	414.0
2017	6	58959	Freeport LNG Development L.P	Industrial	Freeport LP Pretreatment Facility	TX	59145	6SGTG	77.5	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	97.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	1	1.9	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	2	1.9	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	5	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	6	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-2	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-3	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-1	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG11	256.5	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG12	256.5	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	STG10	334.6	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	404.0
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	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
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	59362	Jericho Rise Wind Farm LLC	IPP	Jericho Rise Wind Farm LLC	NY	59629	GEN1	77.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	77.7
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	9	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
2017	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
2017	9	19876	Virginia Electric & Power Co	Electric Utility	VA Offshore Wind Project (VOWTAP)	VA	56693	OSW1	12.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	12.0
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
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	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	59714	Antrim Wind Energy LLC	IPP	Antrim Wind	NH	59953	AWND1	28.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	28.8
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	59365	Capital Power Corporation	IPP	Black Fork Wind Energy Project	OH	59907	GEN	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	59365	Capital Power Corporation	IPP	EcoPoint Wind LLC	IL	59902	GEN	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2017	12	59365	Capital Power Corporation	IPP	Hopeful Solar LLC	GA	59892	GEN	29.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	29.0
2017	12	59365	Capital Power Corporation	IPP	Meadowlark Wind	ND	59903	GEN	99.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	99.0
2017	12	59365	Capital Power Corporation	IPP	Poplars Ranch Solar LLC	OR	59890	GEN	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	SGT1	288.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	361.3
2017	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

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	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
2017	12	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	12	15399	Iberdrola Renewables Inc	IPP	Desert Wind	NC	59968	1	208.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	208.0
2017	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
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	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
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
2017	12	59701	RE Tranquillity 8 LLC	IPP	RE Tranquillity 8	CA	59940	TQ8	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	205.3
2017	12	58943	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
2018	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2018	1	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.0
2018	1	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	305.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	350.0
2018	1	27119	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	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
2018	1	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
2018	1	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
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	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	460.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	475.0
2018	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC2	248.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	248.8
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT2	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT3	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT4	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT5	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT6	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT7	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H3	2.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.6
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	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	STG	289.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	289.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT11	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT12	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	STG11	436.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	436.0
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	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-1	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-2	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	STG-1	300.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	311.0
2018	3	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
2018	3	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
2018	3	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
2018	3	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	6-1	215.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	238.0
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	59663	Rockwood Energy Center LLC	IPP	Rockwood Energy Center LLC	TX	59918	ROCKW	1,068.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	1,068.0
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	59263	Gateway Energy Center, LLC	IPP	Gateway Energy Center, LLC	NJ	59538	CT001	442.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	440.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN1	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN2	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG1	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG2	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	6	59687	AltaGas Sonoran Energy Inc	IPP	Sonoran Energy Project	CA	59925	GEN1	510.7	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	553.0
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	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	4	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	5	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	GT1	232.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	ST1	108.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	108.0
2018	6	59588	Lake Creek 3 Power Company LLC	IPP	Lake Creek	TX	3503	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT5	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT6	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCA1	224.9	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	246.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT1	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT2	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	310.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC2	284.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	284.8
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	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT2	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT3	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT4	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	54866	Robinson Power Company LLC	IPP	Robinson Power Company LLC	PA	56453	CTG1	699.2	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	732.6
2018	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
2018	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
2018	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
2018	6	56863	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	235.5
2018	6	56863	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT2	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	235.5
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG6	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG7	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	7	58861	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	58861	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	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	8	56615	First Solar Project Development	IPP	Snow Mountain Solar, LLC	NV	59935	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2018	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
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	59432	Clear Creek Power	IPP	Highland Park Project	CO	59659	HPWT	198.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	198.0
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	227.7
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	(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-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	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2018	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	D	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2018	12	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
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	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1A	274.0	Other Gases	OG	CT	(P) Planned for installation, but regulatory approvals not initiated	274.0
2018	12	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1B	126.0	Other Gases	OG	CA	(P) Planned for installation, but regulatory approvals not initiated	126.0
2018	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
2018	12	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	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT01	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT02	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT03	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	ST01	611.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	663.9
2019	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

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)
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG3	225.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	235.0
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG4	225.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	235.0
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	STG2	250.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2019	2	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
2019	3	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
2019	3	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
2019	3	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
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	59677	Middlesex Energy Center LLC	IPP	Middlesex Energy Center LLC	NJ	59909	CT001	560.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	560.0
2019	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	4	268.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	321.0
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	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	48.0
2019	6	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
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT1	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT2	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	ST1	344.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
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	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
2019	6	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
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG01	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG02	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG03	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG04	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG05	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG06	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	12	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
2019	12	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
2019	12	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
2019	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
2019	12	56615	First Solar Project Development	IPP	Desert Quartzite	CA	59871	GEN01	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2019	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
2019	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
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
2019	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
2020	1	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
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	6	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
2020	6	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
2020	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
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	Telephone Flat	CA	55846	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
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	I-B	813.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	813.0
2021	1	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
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	5	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
2021	5	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
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS3	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2021	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	2	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS4	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS5	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS6	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	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
2022	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
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	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS7	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS8	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS9	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	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

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant 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
2015	8	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	8	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	8	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2015	8	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	8	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	1	2.0	Petroleum Liquids	DFO	IC
2015	8	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	2	2.0	Petroleum Liquids	DFO	IC
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6	103.8	Conventional Hydroelectric	WAT	HY
2015	8	56774	S Montana Elec Gen and Trans Coop Inc	Electric Utility	Highwood Generating Station	MT	57480	GTG1	40.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-1	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-2	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-1	0.5	All Other	OTH	ST
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-2	0.5	All Other	OTH	ST
2015	9	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1	5.0	Conventional Steam Coal	BIT	ST
2015	9	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	2	5.0	Conventional Steam Coal	BIT	ST
2015	10	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5	0.5	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	8198	City of Harrisonburg - (VA)	Electric Utility	Harrisonburg Power Plant	VA	56006	ST-1	2.7	Natural Gas Steam Turbine	NG	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Natural Gas Steam Turbine	NG	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2015	10	20838	Win-Sam Inc	Commercial	University of Texas at San Antonio	TX	54606	GEN1	3.3	Natural Gas Internal Combustion Engine	NG	IC
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	7175	General Mills Operations Inc	Industrial	General Mills Operations Lodi	CA	10031	1	3.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	12897	Moose Lake Water & Light Comm	Electric Utility	Moose Lake	MN	1996	2	1.1	Petroleum Liquids	DFO	IC
2015	12	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	4	335.0	Natural Gas Steam Turbine	NG	ST
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids	DFO	IC
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
2015	12	15466	Public Service Co of Colorado	Electric Utility	Ponnequin	CO	7937	30	9.9	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Ponnequin	CO	7937	8	15.4	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	60.0	Natural Gas Steam Turbine	NG	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	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	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	4	16.5	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	5	22.0	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	6	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN6	2.5	Conventional Steam Coal	BIT	ST
2016	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	ST
2016	1	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	3	445.0	Natural Gas Steam Turbine	NG	ST
2016	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	1	162.0	Conventional Steam Coal	BIT	ST
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	2	195.0	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	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2016	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2016	4	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2	260.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	4	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	5	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	7	152.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	8	151.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	1	102.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	2	95.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	3	122.0	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	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	3	74.0	Conventional Steam Coal	BIT	ST
2016	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	4	75.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2016	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	93.0	Conventional Steam Coal	BIT	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	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	26840	Port Townsend Paper Co	Industrial	Port Townsend Paper	WA	50544	GEN4	3.0	Wood/Wood Waste Biomass	BLQ	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	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	4	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST
2016	5	4161	Constellation Power Source Gen	IPP	Riverside (MD)	MD	1559	4	74.0	Natural Gas Steam Turbine	NG	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	G E Turner	FL	629	P4	59.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Rio Pinar	FL	637	P1	12.0	Petroleum Liquids	DFO	GT
2016	5	56217	Portsmouth Operating Services LLC	IPP	Portsmouth Genco LLC	VA	10071	GEN1	57.5	Conventional Steam Coal	BIT	ST
2016	5	56217	Portsmouth Operating Services LLC	IPP	Portsmouth Genco LLC	VA	10071	GEN2	57.5	Conventional Steam Coal	BIT	ST
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2016	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Mountain Village	AK	6329	4	0.6	Petroleum Liquids	DFO	IC
2016	6	1009	City of Austin - (MN)	Electric Utility	Austin Northeast	MN	1961	1	28.0	Natural Gas Steam Turbine	NG	ST
2016	6	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	Conventional Steam Coal	BIT	ST
2016	6	50128	Georgia-Pacific Consr Ops LLC-Palatka	Industrial	Georgia-Pacific Palatka Operations	FL	10611	GEN2	7.0	Natural Gas Steam Turbine	NG	ST
2016	6	12807	Michigan South Central Pwr Agy	Electric Utility	Endicott Station	MI	4259	1	55.0	Conventional Steam Coal	BIT	ST
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Natural Gas Steam Turbine	NG	ST
2016	6	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2016	7	7140	Georgia Power Co	Electric Utility	Mitchell (GA)	GA	727	3	155.0	Conventional Steam Coal	BIT	ST
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN1	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN2	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN3	0.4	Other Waste Biomass	OBG	IC
2016	8	14534	City of Pasadena - (CA)	Electric Utility	Broadway (CA)	CA	420	B3	71.0	Natural Gas Steam Turbine	NG	ST
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	1	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	2	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	3	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	4	1.2	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	5	1.2	Conventional Hydroelectric	WAT	HY
2016	9	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U2J02	1.0	Landfill Gas	LFG	IC
2016	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
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	4045	City of Columbia - (MO)	Electric Utility	Columbia (MO)	MO	2123	5	16.5	Conventional Steam Coal	BIT	ST
2016	12	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2016	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	3	7.5	Petroleum Liquids	RFO	ST
2016	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	4	7.5	Petroleum Liquids	RFO	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	Dubuque	IA	1046	3	31.1	Natural Gas Steam Turbine	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	37.3	Natural Gas Steam Turbine	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	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
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	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	1	482.0	Conventional Steam Coal	SUB	ST
2017	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Natural Gas Steam Turbine	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	16.9	Petroleum Liquids	KER	GT
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	1	236.1	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	2	238.6	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	3	596.3	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	4	434.0	Petroleum Liquids	RFO	ST
2017	6	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	1	17.0	Natural Gas Steam Turbine	NG	ST
2017	6	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	2	17.0	Natural Gas Steam Turbine	NG	ST
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	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY
2017	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	56730	Cedar Bay Operating Services LLC	Electric CHP	Cedar Bay Generating Company LP	FL	10672	GEN1	250.0	Conventional Steam Coal	BIT	ST
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	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	15.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	13.2	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	14.3	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	15.3	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	1.9	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	1.8	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.8	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	21.8	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.9	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	13.0	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	85.6	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.4	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.7	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	82.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Natural Gas Steam Turbine	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	Natural Gas Steam Turbine	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	Dyer Road	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

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	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	1	9.0	Municipal Solid Waste	MSW	ST
2017	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	2	9.0	Municipal Solid Waste	MSW	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	1	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	2	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	3	116.5	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	4	257.0	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Natural Gas Steam Turbine	NG	ST
2017	12	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
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	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2018	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	29.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Natural Gas Steam Turbine	NG	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	173.0	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	Natural Gas Steam Turbine	NG	ST
2018	12	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	1	420.0	Conventional Steam Coal	SUB	ST
2018	12	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	2	420.0	Conventional Steam Coal	SUB	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	294.9	Conventional Steam Coal	SUB	ST
2019	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8	103.8	Conventional Hydroelectric	WAT	HY
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	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	1	191.0	Conventional Steam Coal	BIT	ST
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	2	185.0	Conventional Steam Coal	BIT	ST
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	56706	Chevron Technology Ventures	IPP	Questa Solar Facility	NM	57369	QST	1.0	Solar Photovoltaic	SUN	PV
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Natural Gas Steam Turbine	NG	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Natural Gas Steam Turbine	NG	ST
2019	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	609.9	Nuclear	NUC	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	49.8	Conventional Steam Coal	SUB	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	47.1	Conventional Steam Coal	SUB	ST
2019	12	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
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Natural Gas Steam Turbine	NG	ST
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	3	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	4	14.2	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	5	41.5	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	6	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Sheepskin	WI	4059	1	28.4	Natural Gas Fired Combustion Turbine	NG	GT
2020	1	21622	The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1	3.5	Natural Gas Internal Combustion Engine	NG	IC
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	78.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	78.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P3	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	58177	Raven Power Holdings LLC	IPP	C P Crane	MD	1552	1	190.0	Conventional Steam Coal	SUB	ST
2020	6	58177	Raven Power Holdings LLC	IPP	C P Crane	MD	1552	2	195.0	Conventional Steam Coal	SUB	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	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL10	0.1	Other Waste Biomass	OBG	FC
2020	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Lake Road (MO)	MO	2098	4	96.3	Conventional Steam Coal	SUB	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	174.0	Natural Gas Steam Turbine	NG	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	177.0	Natural Gas Steam Turbine	NG	ST
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	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	5.8	Natural Gas Internal Combustion Engine	NG	IC
2021	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Natural Gas Steam Turbine	NG	ST
2021	1	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	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	Natural Gas Steam Turbine	NG	ST
2021	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	2	164.0	Conventional Steam Coal	SUB	ST
2021	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	176.0	Conventional Steam Coal	SUB	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Natural Gas Steam Turbine	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Natural Gas Steam Turbine	NG	ST
2021	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	BIT	ST
2022	1	59409	Eco Services Operations LLC	Industrial	Houston Plant	TX	52065	GEN2	1.5	All Other	OTH	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2022	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	BIT	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

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
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	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	4	0.4	Conventional Hydroelectric	WAT	HY
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	166.0	Natural Gas Steam Turbine	NG	ST
2024	7	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN1	18.0	Natural Gas Steam Turbine	NG	ST
2024	7	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN3	18.0	Natural Gas Steam Turbine	NG	ST
2034	3	58710	Lakeswind Power Partners	IPP	Lakeswind Power Partners	MN	58836	LW1	50.0	Onshore Wind Turbine	WND	WT
2034	6	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2045		195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY
2050	7	59381	EE Kettleman California LLC	IPP	Kettleman Solar -Centaurus	CA	59633	KS	20.0	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 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2013-July 2015

	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								
2013	59.7%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	60.9%	47.8%	4.8%	10.0%	NA	12.8%	1.1%	7.1%
Year 2013								
January	61.2%	46.3%	3.6%	7.3%	4.6%	10.0%	0.7%	2.7%
February	60.6%	46.7%	3.4%	6.7%	4.7%	9.7%	0.4%	2.0%
March	57.7%	44.1%	4.0%	6.8%	5.7%	9.6%	0.3%	1.9%
April	51.3%	40.4%	4.3%	7.3%	6.1%	11.6%	0.6%	2.4%
May	52.9%	41.5%	4.5%	9.5%	5.2%	13.0%	0.7%	2.1%
June	63.4%	50.9%	5.1%	14.7%	6.9%	15.4%	0.8%	1.7%
July	67.9%	58.3%	8.5%	18.6%	8.4%	17.5%	2.1%	2.3%
August	66.3%	60.2%	6.8%	17.6%	8.5%	14.4%	0.9%	2.2%
Sept	61.2%	52.6%	5.6%	14.0%	6.7%	14.1%	1.3%	2.0%
October	54.4%	45.4%	3.9%	8.5%	5.5%	12.7%	0.7%	2.0%
November	56.2%	44.9%	3.9%	7.1%	4.5%	7.3%	0.6%	2.2%
December	63.7%	47.1%	4.6%	8.5%	6.1%	10.2%	0.7%	2.7%
Year 2014								
January	70.9%	46.9%	6.4%	9.4%	NA	19.4%	3.7%	7.3%
February	71.6%	42.2%	4.2%	8.8%	NA	12.2%	0.8%	6.3%
March	61.4%	39.5%	4.4%	6.9%	NA	13.7%	1.1%	5.8%
April	50.9%	40.3%	3.4%	6.9%	NA	9.5%	0.5%	4.9%
May	53.8%	44.3%	4.8%	9.5%	NA	10.3%	0.7%	9.5%
June	64.5%	50.7%	5.1%	11.4%	NA	15.3%	1.0%	7.3%
July	68.0%	57.0%	5.8%	14.6%	NA	16.1%	1.1%	8.8%
August	67.5%	60.5%	6.1%	16.2%	NA	15.3%	1.5%	8.4%
Sept	59.2%	54.8%	5.2%	12.2%	NA	13.7%	0.8%	8.1%
October	50.8%	48.5%	4.7%	10.3%	NA	9.7%	0.8%	6.5%
November	56.1%	42.8%	4.1%	7.6%	NA	7.5%	0.9%	6.4%
December	56.8%	45.6%	3.3%	5.7%	NA	10.7%	0.5%	5.8%
Year 2015								
January	57.8%	51.1%	3.7%	6.4%	NA	12.3%	0.5%	8.0%
February	65.4%	51.7%	6.1%	8.4%	NA	21.9%	1.6%	6.7%
March	50.5%	50.5%	5.0%	8.4%	NA	8.8%	0.7%	8.1%
April	42.8%	47.5%	5.7%	9.9%	NA	12.5%	1.1%	6.9%
May	49.7%	49.4%	6.9%	9.6%	NA	13.7%	1.5%	7.1%
June	62.5%	61.4%	8.3%	14.0%	NA	13.7%	1.2%	6.5%
July	66.7%	67.3%	10.7%	20.0%	NA	18.4%	1.6%	9.2%

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. NA = Not Available

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 2013-July 2015

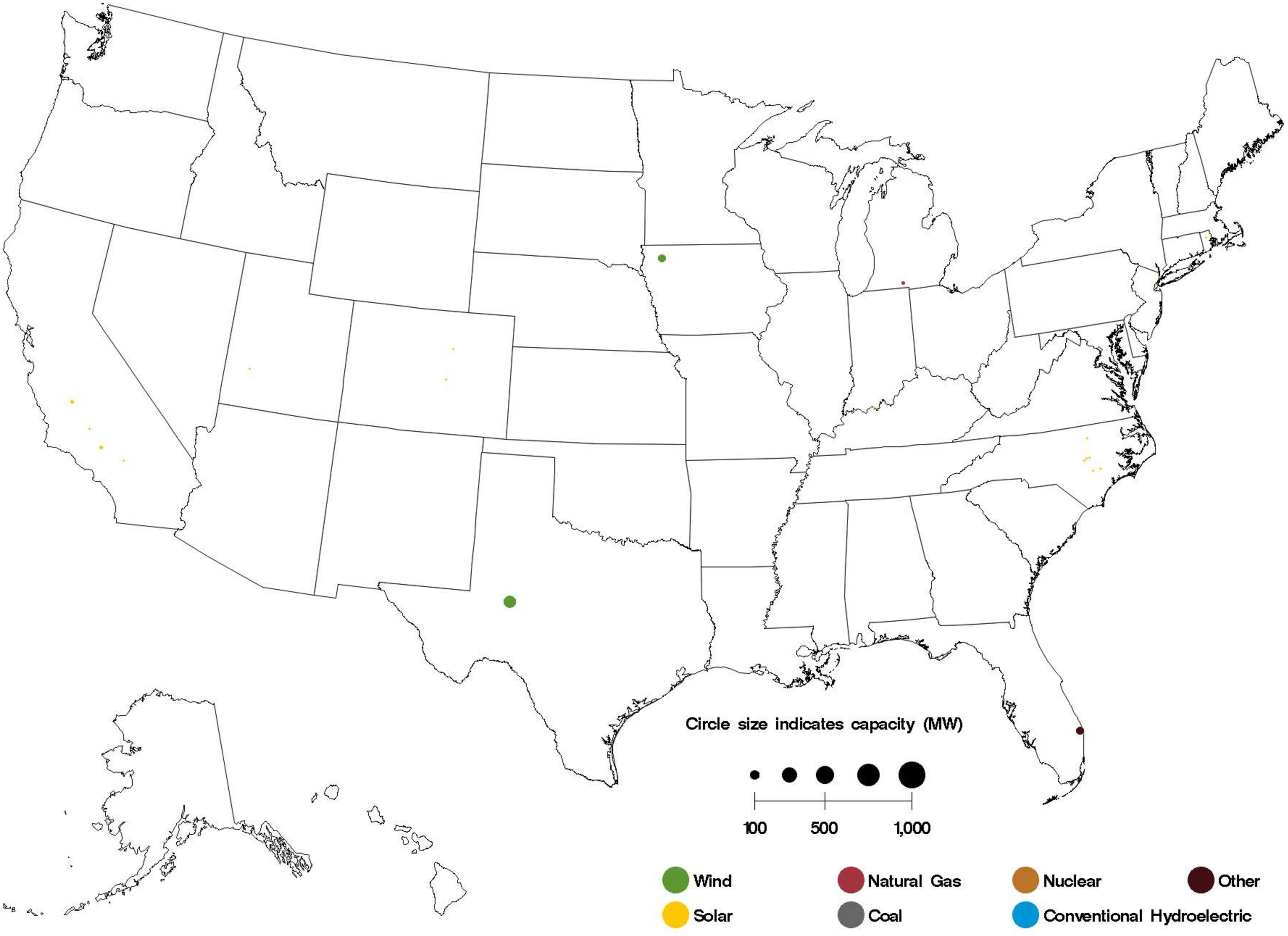
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	NA	NA	68.9%	56.7%	73.6%
2014	91.7%	37.5%	33.9%	27.8%	19.5%	68.9%	52.1%	68.8%
Year 2013								
January	93.9%	42.3%	33.5%	NA	NA	66.0%	56.5%	76.9%
February	90.3%	38.3%	35.4%	NA	NA	65.2%	56.0%	76.1%
March	83.4%	34.8%	35.9%	NA	NA	69.0%	55.4%	76.8%
April	77.6%	44.4%	41.1%	NA	NA	66.9%	44.8%	73.3%
May	83.3%	48.4%	37.0%	NA	NA	70.4%	50.5%	71.7%
June	93.1%	48.3%	32.4%	NA	NA	71.0%	54.8%	72.4%
July	95.6%	46.8%	25.3%	NA	NA	71.1%	58.2%	73.3%
August	96.7%	37.2%	22.0%	NA	NA	71.9%	64.8%	72.5%
Sept	92.2%	29.9%	27.4%	NA	NA	69.4%	61.1%	73.6%
October	85.7%	29.2%	31.0%	NA	NA	66.6%	57.9%	74.7%
November	91.0%	31.1%	37.0%	NA	NA	69.5%	61.0%	68.8%
December	96.6%	35.9%	31.3%	NA	NA	69.9%	59.0%	73.0%
Year 2014								
January	99.0%	36.3%	40.4%	NA	NA	63.6%	56.8%	67.9%
February	93.9%	32.5%	34.4%	NA	NA	61.4%	55.7%	67.3%
March	84.5%	41.3%	39.6%	NA	NA	69.2%	53.3%	67.6%
April	78.9%	44.6%	43.1%	NA	NA	68.9%	39.1%	68.7%
May	85.3%	45.3%	34.5%	NA	NA	70.9%	42.4%	68.4%
June	95.4%	45.8%	36.1%	NA	NA	70.5%	56.1%	68.7%
July	97.4%	41.9%	26.7%	NA	NA	72.4%	56.0%	67.8%
August	96.3%	33.9%	22.5%	31.9%	25.0%	72.0%	56.0%	68.0%
Sept	94.5%	28.0%	26.0%	32.0%	25.9%	69.7%	52.3%	69.3%
October	84.5%	29.0%	31.5%	26.7%	20.8%	68.5%	51.3%	69.1%
November	91.2%	33.0%	42.2%	23.4%	13.4%	71.4%	54.1%	72.2%
December	99.5%	38.4%	30.4%	15.6%	5.5%	68.4%	52.6%	70.4%
Year 2015								
January	101.2%	41.9%	31.4%	18.9%	4.6%	67.4%	46.0%	74.1%
February	95.8%	43.0%	34.2%	25.9%	15.5%	62.1%	55.6%	73.4%
March	87.9%	42.2%	31.5%	29.4%	23.6%	58.9%	49.0%	74.2%
April	84.1%	39.5%	37.6%	33.9%	31.8%	65.5%	40.8%	70.8%
May	89.7%	34.3%	35.0%	33.9%	31.1%	67.3%	46.4%	74.4%
June	96.4%	35.0%	28.2%	34.2%	34.5%	69.6%	52.2%	72.3%
July	97.2%	35.5%	27.6%	33.8%	35.1%	70.8%	58.5%	72.7%

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. NA = Not Available

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

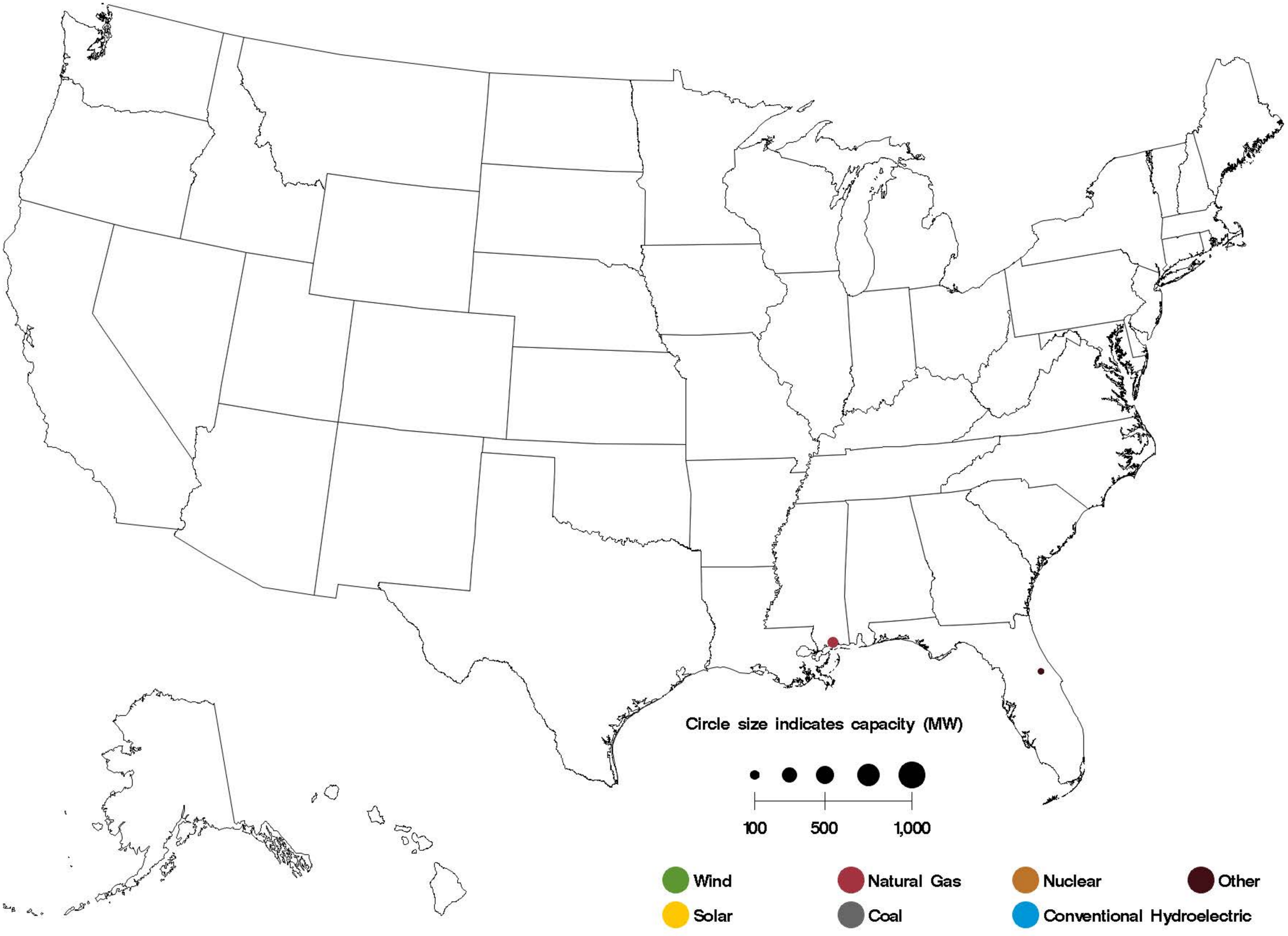
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility Scale Generating Units Added in July 2015



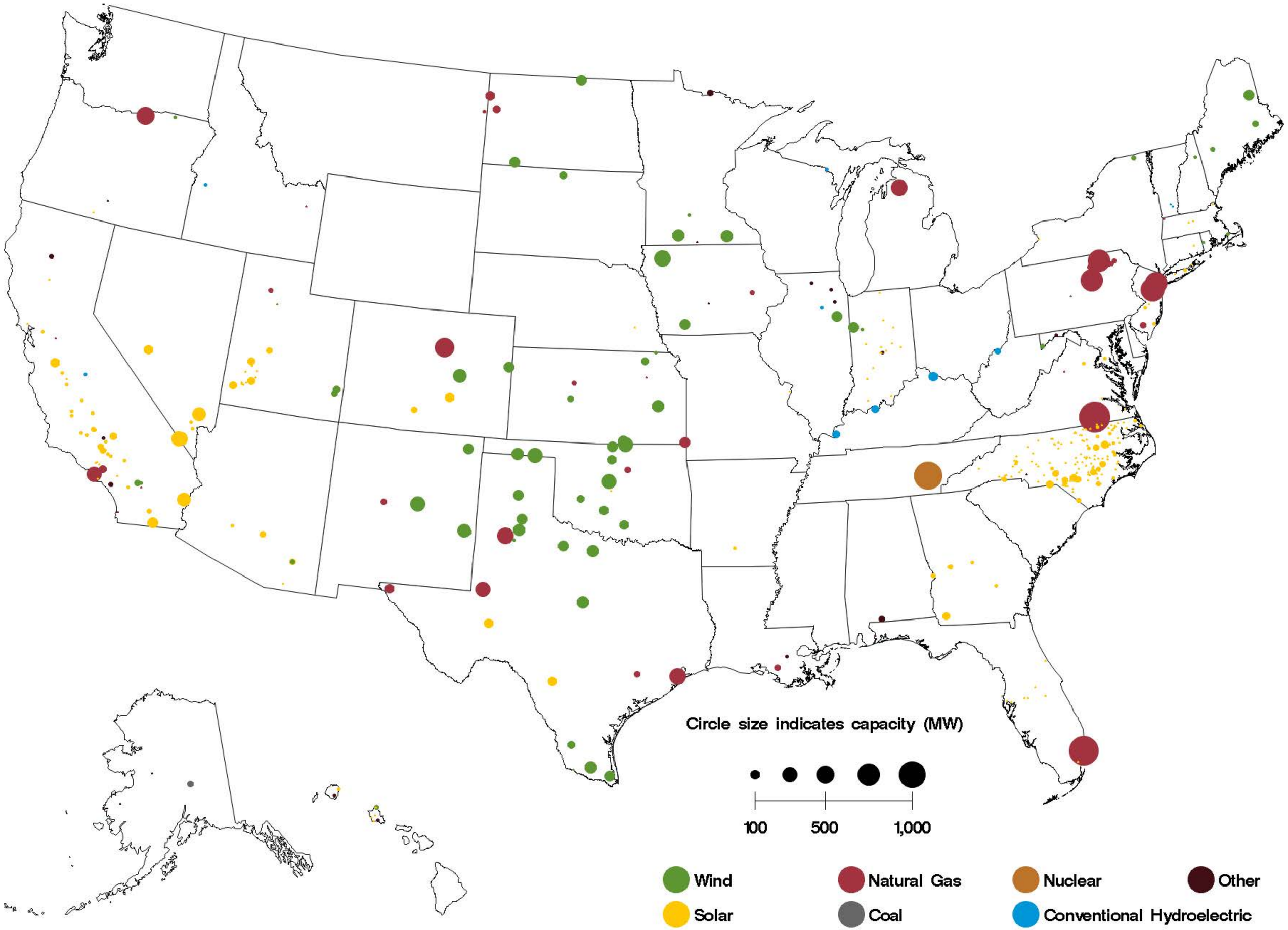
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in July 2015



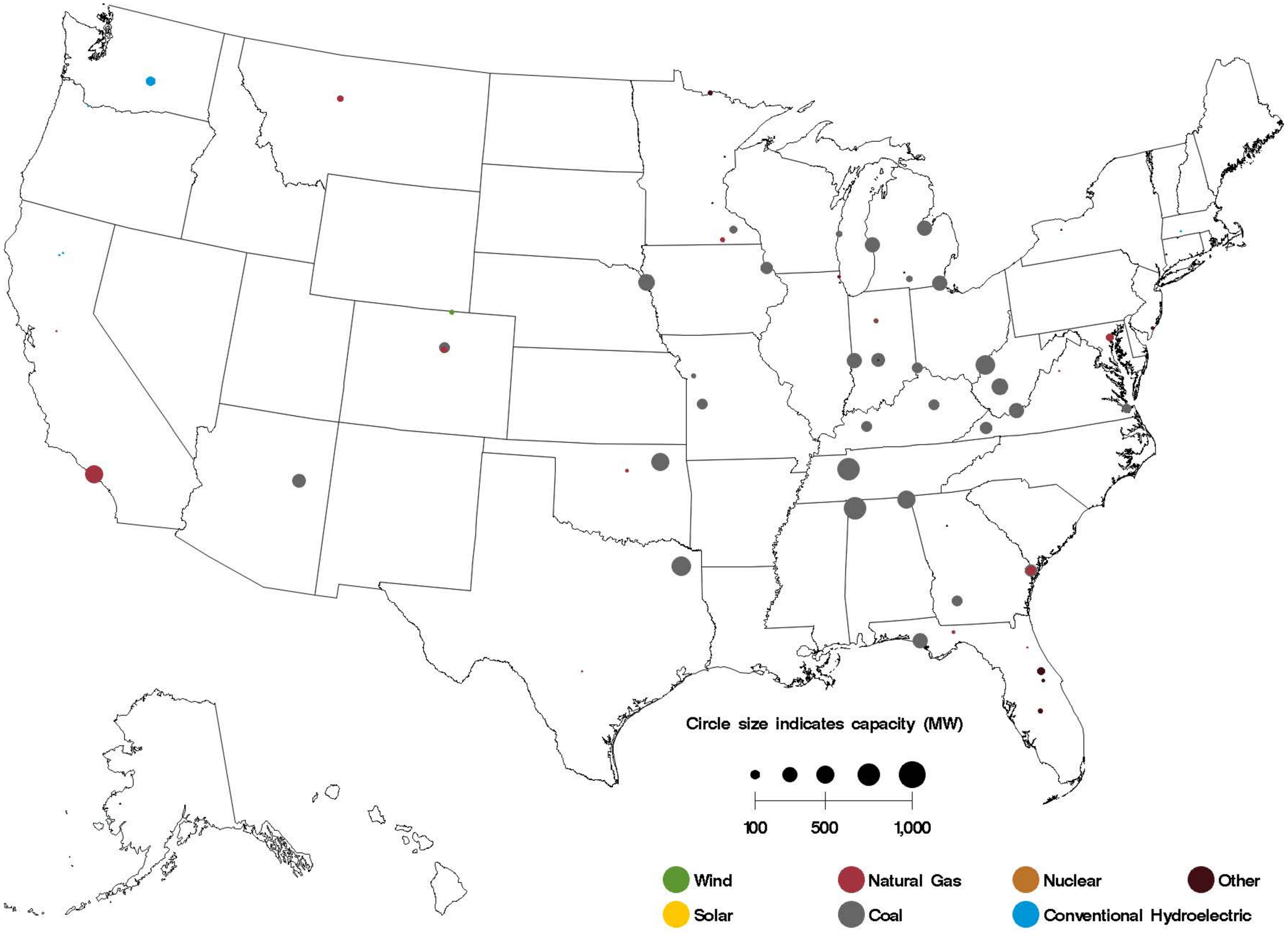
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from August 2015 to July 2016



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 August 2015 to July 2016



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, July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**9**	**0**	**3**	**0**	**0**	**14**
Connecticut	0	9	0	8	0	0	70
Maine	0	11	0	41	0	0	19
Massachusetts	2	17	0	3	0	0	38
New Hampshire	0	61	0	4	0	0	25
Rhode Island	0	103	0	3	0	0	651
Vermont	0	222	0	0	0	0	39
Middle Atlantic	**1**	**8**	**80**	**2**	**14**	**0**	**3**
New Jersey	0	26	161	4	33	0	269
New York	4	10	0	4	0	0	4
Pennsylvania	2	13	91	3	11	0	12
East North Central	**0**	**4**	**3**	**2**	**5**	**0**	**22**
Illinois	0	23	0	8	26	0	81
Indiana	0	9	0	7	6	0	40
Michigan	3	8	16	2	0	0	43
Ohio	1	4	4	3	16	0	48
Wisconsin	0	30	0	2	0	0	36
West North Central	**1**	**9**	**147**	**3**	**70**	**0**	**5**
Iowa	3	16	147	6	0	0	60
Kansas	0	43	0	17	0	0	347
Minnesota	5	48	0	2	0	0	64
Missouri	1	10	0	8	0	0	4
Nebraska	3	28	0	10	0	0	48
North Dakota	3	8	0	34	70	0	0
South Dakota	0	130	0	14	0	0	1
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**8**
Delaware	0	31	0	9	0	0	0
District of Columbia	0	0	0	469	0	0	0
Florida	0	14	0	1	0	0	89
Georgia	0	70	0	1	0	0	19
Maryland	0	13	0	14	0	0	3
North Carolina	1	24	0	1	0	0	17
South Carolina	0	45	0	2	0	0	25
Virginia	2	2	0	0	0	0	32
West Virginia	0	0	0	2	0	0	21
East South Central	**0**	**17**	**0**	**1**	**37**	**0**	**5**
Alabama	1	73	0	1	39	0	8
Kentucky	1	9	0	16	0	0	8
Mississippi	0	19	0	1	0	0	0
Tennessee	0	4	0	5	0	0	9
West South Central	**1**	**31**	**5**	**0**	**4**	**0**	**6**
Arkansas	0	30	0	2	0	0	10
Louisiana	0	4	5	1	5	0	0
Oklahoma	1	127	0	1	0	0	9
Texas	1	51	50	1	6	0	48
Mountain	**1**	**5**	**0**	**1**	**5**	**0**	**4**
Arizona	0	17	0	1	0	0	2
Colorado	0	54	0	3	0	0	33
Idaho	52	1,901	0	3	0	0	9
Montana	7	22	0	34	0	0	7
Nevada	0	4	0	1	0	0	5
New Mexico	0	6	0	4	0	0	145
Utah	1	21	0	5	1,413	0	68
Wyoming	3	4	0	22	4	0	7
Pacific Contiguous	**1**	**17**	**371**	**1**	**5**	**0**	**2**
California	22	21	371	1	6	0	4
Oregon	0	13	0	1	0	0	5
Washington	0	44	0	2	0	0	2
Pacific Noncontiguous	**5**	**2**	**0**	**13**	**149**	**0**	**30**
Alaska	12	12	0	13	0	0	30
Hawaii	4	1	0	0	149	0	167
U.S. Total	**0**	**2**	**3**	**1**	**3**	**0**	**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.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, July 2015 (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**	**13**	**3**	**0**	**6**	**2**
Connecticut	0	0	0	71	4	0	8	4
Maine	0	0	0	0	2	0	18	12
Massachusetts	0	0	0	14	7	0	7	3
New Hampshire	0	0	0	0	12	0	40	2
Rhode Island	0	0	0	80	11	0	0	3
Vermont	0	0	0	42	14	0	0	25
Middle Atlantic	**0**	**0**	**0**	**13**	**3**	**0**	**4**	**1**
New Jersey	0	0	0	14	8	0	7	2
New York	0	0	0	27	3	0	8	2
Pennsylvania	0	0	0	49	4	0	6	1
East North Central	**0**	**0**	**0**	**20**	**2**	**0**	**8**	**0**
Illinois	0	0	0	50	1	0	29	1
Indiana	0	0	0	24	3	0	4	1
Michigan	0	0	0	0	5	0	12	1
Ohio	0	0	0	47	7	0	0	1
Wisconsin	0	0	0	225	7	0	37	1
West North Central	**0**	**0**	**0**	**62**	**1**	**0**	**12**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	225	0	0	0	1
Minnesota	0	0	0	173	4	0	14	2
Missouri	0	0	0	69	5	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	55	2
South Dakota	0	0	0	0	2	0	0	3
South Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**4**	**0**
Delaware	0	0	0	45	29	0	0	8
District of Columbia	0	0	0	0	0	0	0	469
Florida	0	0	0	12	4	0	4	0
Georgia	0	0	0	23	5	0	25	0
Maryland	0	0	0	25	5	0	1	3
North Carolina	0	0	0	9	6	0	29	1
South Carolina	0	0	0	142	3	0	25	1
Virginia	0	0	0	0	3	0	8	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**37**	**5**	**0**	**17**	**0**
Alabama	0	0	0	0	8	0	0	1
Kentucky	0	0	0	0	7	0	0	1
Mississippi	0	0	0	0	5	0	228	1
Tennessee	0	0	0	37	13	0	0	1
West South Central	**0**	**0**	**0**	**10**	**1**	**0**	**10**	**0**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	9	0	10	1
Oklahoma	0	0	0	0	1	0	119	1
Texas	0	0	0	10	1	0	13	1
Mountain	**0**	**6**	**0**	**3**	**1**	**0**	**7**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	17	1	0	72	1
Idaho	0	71	0	0	7	0	0	5
Montana	0	0	0	0	4	0	0	5
Nevada	0	7	0	4	4	0	65	1
New Mexico	0	162	0	11	5	0	0	1
Utah	0	9	0	72	5	0	7	1
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**2**	**1**	**0**	**11**	**1**
California	0	4	0	2	1	0	12	1
Oregon	0	0	0	56	2	0	54	2
Washington	0	0	0	0	1	0	23	1
Pacific Noncontiguous	**0**	**0**	**0**	**49**	**7**	**0**	**0**	**3**
Alaska	0	0	0	0	43	0	0	9
Hawaii	0	0	0	49	6	0	0	2
U.S. Total	**0**	**4**	**0**	**2**	**1**	**0**	**3**	**0**

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

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**9**	**0**	**3**	**0**	**0**	**14**
Connecticut	0	9	0	8	0	0	70
Maine	0	11	0	41	0	0	19
Massachusetts	2	17	0	3	0	0	38
New Hampshire	0	61	0	4	0	0	25
Rhode Island	0	103	0	3	0	0	651
Vermont	0	222	0	0	0	0	39
Middle Atlantic	**1**	**8**	**80**	**2**	**14**	**0**	**3**
New Jersey	0	26	161	4	33	0	269
New York	4	10	0	4	0	0	4
Pennsylvania	2	13	91	3	11	0	12
East North Central	**0**	**4**	**3**	**2**	**5**	**0**	**22**
Illinois	0	23	0	8	26	0	81
Indiana	0	9	0	7	6	0	40
Michigan	3	8	16	2	0	0	43
Ohio	1	4	4	3	16	0	48
Wisconsin	0	30	0	2	0	0	36
West North Central	**1**	**9**	**147**	**3**	**70**	**0**	**5**
Iowa	3	16	147	6	0	0	60
Kansas	0	43	0	17	0	0	347
Minnesota	5	48	0	2	0	0	64
Missouri	1	10	0	8	0	0	4
Nebraska	3	28	0	10	0	0	48
North Dakota	3	8	0	34	70	0	0
South Dakota	0	130	0	14	0	0	1
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**8**
Delaware	0	31	0	9	0	0	0
District of Columbia	0	0	0	469	0	0	0
Florida	0	14	0	1	0	0	89
Georgia	0	70	0	1	0	0	19
Maryland	0	13	0	14	0	0	3
North Carolina	1	24	0	1	0	0	17
South Carolina	0	45	0	2	0	0	25
Virginia	2	2	0	0	0	0	32
West Virginia	0	0	0	2	0	0	21
East South Central	**0**	**17**	**0**	**1**	**37**	**0**	**5**
Alabama	1	73	0	1	39	0	8
Kentucky	1	9	0	16	0	0	8
Mississippi	0	19	0	1	0	0	0
Tennessee	0	4	0	5	0	0	9
West South Central	**1**	**31**	**5**	**0**	**4**	**0**	**6**
Arkansas	0	30	0	2	0	0	10
Louisiana	0	4	5	1	5	0	0
Oklahoma	1	127	0	1	0	0	9
Texas	1	51	50	1	6	0	48
Mountain	**1**	**5**	**0**	**1**	**5**	**0**	**4**
Arizona	0	17	0	1	0	0	2
Colorado	0	54	0	3	0	0	33
Idaho	52	1,901	0	3	0	0	9
Montana	7	22	0	34	0	0	7
Nevada	0	4	0	1	0	0	5
New Mexico	0	6	0	4	0	0	145
Utah	1	21	0	5	1,413	0	68
Wyoming	3	4	0	22	4	0	7
Pacific Contiguous	**1**	**17**	**371**	**1**	**5**	**0**	**2**
California	22	21	371	1	6	0	4
Oregon	0	13	0	1	0	0	5
Washington	0	44	0	2	0	0	2
Pacific Noncontiguous	**5**	**2**	**0**	**13**	**149**	**0**	**30**
Alaska	12	12	0	13	0	0	30
Hawaii	4	1	0	0	149	0	167
U.S. Total	**0**	**2**	**3**	**1**	**3**	**0**	**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.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through July 2015 (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**	**13**	**3**	**0**	**6**	**2**
Connecticut	0	0	0	71	4	0	8	4
Maine	0	0	0	0	2	0	18	12
Massachusetts	0	0	0	14	7	0	7	3
New Hampshire	0	0	0	0	12	0	40	2
Rhode Island	0	0	0	80	11	0	0	3
Vermont	0	0	0	42	14	0	0	25
Middle Atlantic	**0**	**0**	**0**	**13**	**3**	**0**	**4**	**1**
New Jersey	0	0	0	14	8	0	7	2
New York	0	0	0	27	3	0	8	2
Pennsylvania	0	0	0	49	4	0	6	1
East North Central	**0**	**0**	**0**	**20**	**2**	**0**	**8**	**0**
Illinois	0	0	0	50	1	0	29	1
Indiana	0	0	0	24	3	0	4	1
Michigan	0	0	0	0	5	0	12	1
Ohio	0	0	0	47	7	0	0	1
Wisconsin	0	0	0	225	7	0	37	1
West North Central	**0**	**0**	**0**	**62**	**1**	**0**	**12**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	225	0	0	0	1
Minnesota	0	0	0	173	4	0	14	2
Missouri	0	0	0	69	5	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	55	2
South Dakota	0	0	0	0	2	0	0	3
South Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**4**	**0**
Delaware	0	0	0	45	29	0	0	8
District of Columbia	0	0	0	0	0	0	0	469
Florida	0	0	0	12	4	0	4	0
Georgia	0	0	0	23	5	0	25	0
Maryland	0	0	0	25	5	0	1	3
North Carolina	0	0	0	9	6	0	29	1
South Carolina	0	0	0	142	3	0	25	1
Virginia	0	0	0	0	3	0	8	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**37**	**5**	**0**	**17**	**0**
Alabama	0	0	0	0	8	0	0	1
Kentucky	0	0	0	0	7	0	0	1
Mississippi	0	0	0	0	5	0	228	1
Tennessee	0	0	0	37	13	0	0	1
West South Central	**0**	**0**	**0**	**10**	**1**	**0**	**10**	**0**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	9	0	10	1
Oklahoma	0	0	0	0	1	0	119	1
Texas	0	0	0	10	1	0	13	1
Mountain	**0**	**6**	**0**	**3**	**1**	**0**	**7**	**1**
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	17	1	0	72	1
Idaho	0	71	0	0	7	0	0	5
Montana	0	0	0	0	4	0	0	5
Nevada	0	7	0	4	4	0	65	1
New Mexico	0	162	0	11	5	0	0	1
Utah	0	9	0	72	5	0	7	1
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**2**	**1**	**0**	**11**	**1**
California	0	4	0	2	1	0	12	1
Oregon	0	0	0	56	2	0	54	2
Washington	0	0	0	0	1	0	23	1
Pacific Noncontiguous	**0**	**0**	**0**	**49**	**7**	**0**	**0**	**3**
Alaska	0	0	0	0	43	0	0	9
Hawaii	0	0	0	49	6	0	0	2
U.S. Total	**0**	**4**	**0**	**2**	**1**	**0**	**3**	**0**

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

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**40**	**0**	**10**	**0**	**0**	**37**
Connecticut	0	155	0	0	0	0	234
Maine	0	776	0	0	0	0	0
Massachusetts	0	94	0	11	0	0	85
New Hampshire	0	20	0	0	0	0	37
Rhode Island	0	113	0	0	0	0	0
Vermont	0	226	0	0	0	0	62
Middle Atlantic	**471**	**11**	**0**	**6**	**0**	**0**	**2**
New Jersey	0	853	0	256	0	0	0
New York	471	11	0	6	0	0	2
Pennsylvania	0	588	0	611	0	0	147
East North Central	**1**	**4**	**0**	**2**	**0**	**0**	**25**
Illinois	0	50	0	29	0	0	207
Indiana	0	6	0	4	0	0	40
Michigan	3	8	0	6	0	0	45
Ohio	1	6	0	6	0	0	24
Wisconsin	0	30	0	2	0	0	38
West North Central	**1**	**8**	**0**	**4**	**0**	**0**	**5**
Iowa	3	15	0	6	0	0	61
Kansas	0	43	0	18	0	0	0
Minnesota	5	45	0	3	0	0	90
Missouri	1	10	0	11	0	0	4
Nebraska	3	28	0	10	0	0	48
North Dakota	3	6	0	0	0	0	0
South Dakota	0	120	0	14	0	0	1
South Atlantic	**0**	**1**	**0**	**0**	**0**	**0**	**11**
Delaware	0	994	0	280	0	0	0
Florida	0	3	0	0	0	0	89
Georgia	0	7	0	1	0	0	19
Maryland	0	78	0	0	0	0	0
North Carolina	0	5	0	1	0	0	17
South Carolina	0	17	0	2	0	0	25
Virginia	0	0	0	0	0	0	32
West Virginia	0	0	0	0	0	0	60
East South Central	**0**	**3**	**0**	**1**	**0**	**0**	**5**
Alabama	1	0	0	5	0	0	8
Kentucky	1	9	0	16	0	0	8
Mississippi	0	20	0	1	0	0	0
Tennessee	0	1	0	0	0	0	9
West South Central	**0**	**16**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	51	0	5	0	0	10
Louisiana	0	5	0	1	0	0	0
Oklahoma	0	38	0	1	0	0	9
Texas	0	3	0	1	0	0	49
Mountain	**1**	**5**	**0**	**1**	**0**	**0**	**4**
Arizona	0	15	0	1	0	0	2
Colorado	0	54	0	3	0	0	33
Idaho	0	1,901	0	5	0	0	9
Montana	184	141	0	35	0	0	7
Nevada	0	4	0	0	0	0	1
New Mexico	0	6	0	7	0	0	145
Utah	0	17	0	3	0	0	69
Wyoming	3	3	0	129	0	0	7
Pacific Contiguous	**0**	**6**	**0**	**2**	**0**	**0**	**2**
California	0	5	0	3	0	0	3
Oregon	0	0	0	0	0	0	5
Washington	0	118	0	3	0	0	2
Pacific Noncontiguous	**0**	**2**	**0**	**13**	**0**	**0**	**30**
Alaska	0	12	0	13	0	0	30
Hawaii	0	1	0	0	0	0	374
U.S. Total	**0**	**2**	**0**	**0**	**0**	**0**	**2**

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

Electric Utilities by Census Division and State, July 2015 (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**	**142**	**5**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	178
Maine	0	0	0	0	0	0	0	776
Massachusetts	0	0	0	142	75	0	0	23
New Hampshire	0	0	0	0	0	0	0	11
Rhode Island	0	0	0	0	0	0	0	113
Vermont	0	0	0	0	0	0	0	31
Middle Atlantic	**0**	**0**	**0**	**44**	**11**	**0**	**0**	**3**
New Jersey	0	0	0	44	44	0	0	27
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	158
East North Central	**0**	**0**	**0**	**100**	**3**	**0**	**13**	**1**
Illinois	0	0	0	411	182	0	0	4
Indiana	0	0	0	113	14	0	0	1
Michigan	0	0	0	0	3	0	152	2
Ohio	0	0	0	185	80	0	0	2
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**1**
Iowa	0	0	0	0	1	0	0	3
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	7	0	0	3
Missouri	0	0	0	0	35	0	0	1
Nebraska	0	0	0	0	15	0	0	2
North Dakota	0	0	0	0	2	0	55	2
South Dakota	0	0	0	0	3	0	0	3
South Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**0**	**0**
Delaware	0	0	0	113	113	0	0	244
Florida	0	0	0	0	2	0	0	0
Georgia	0	0	0	96	96	0	0	0
Maryland	0	0	0	124	124	0	0	66
North Carolina	0	0	0	147	147	0	0	0
South Carolina	0	0	0	0	6	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	24	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**11**	**4**	**0**	**65**	**1**
Arizona	0	0	0	11	11	0	0	0
Colorado	0	0	0	0	23	0	0	1
Idaho	0	0	0	0	6	0	0	7
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	65	0
New Mexico	0	0	0	30	30	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**14**	**1**	**0**	**0**	**1**
California	0	0	0	14	3	0	0	2
Oregon	0	0	0	133	1	0	0	3
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**65**	**30**	**0**	**0**	**5**
Alaska	0	0	0	0	65	0	0	10
Hawaii	0	0	0	65	20	0	0	2
U.S. Total	**0**	**0**	**0**	**8**	**1**	**0**	**4**	**0**

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

Electric Utilities by Census Division and State, Year-to-Date through July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**40**	**0**	**10**	**0**	**0**	**37**
Connecticut	0	155	0	0	0	0	234
Maine	0	776	0	0	0	0	0
Massachusetts	0	94	0	11	0	0	85
New Hampshire	0	20	0	0	0	0	37
Rhode Island	0	113	0	0	0	0	0
Vermont	0	226	0	0	0	0	62
Middle Atlantic	**471**	**11**	**0**	**6**	**0**	**0**	**2**
New Jersey	0	853	0	256	0	0	0
New York	471	11	0	6	0	0	2
Pennsylvania	0	588	0	611	0	0	147
East North Central	**1**	**4**	**0**	**2**	**0**	**0**	**25**
Illinois	0	50	0	29	0	0	207
Indiana	0	6	0	4	0	0	40
Michigan	3	8	0	6	0	0	45
Ohio	1	6	0	6	0	0	24
Wisconsin	0	30	0	2	0	0	38
West North Central	**1**	**8**	**0**	**4**	**0**	**0**	**5**
Iowa	3	15	0	6	0	0	61
Kansas	0	43	0	18	0	0	0
Minnesota	5	45	0	3	0	0	90
Missouri	1	10	0	11	0	0	4
Nebraska	3	28	0	10	0	0	48
North Dakota	3	6	0	0	0	0	0
South Dakota	0	120	0	14	0	0	1
South Atlantic	**0**	**1**	**0**	**0**	**0**	**0**	**11**
Delaware	0	994	0	280	0	0	0
Florida	0	3	0	0	0	0	89
Georgia	0	7	0	1	0	0	19
Maryland	0	78	0	0	0	0	0
North Carolina	0	5	0	1	0	0	17
South Carolina	0	17	0	2	0	0	25
Virginia	0	0	0	0	0	0	32
West Virginia	0	0	0	0	0	0	60
East South Central	**0**	**3**	**0**	**1**	**0**	**0**	**5**
Alabama	1	0	0	5	0	0	8
Kentucky	1	9	0	16	0	0	8
Mississippi	0	20	0	1	0	0	0
Tennessee	0	1	0	0	0	0	9
West South Central	**0**	**16**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	51	0	5	0	0	10
Louisiana	0	5	0	1	0	0	0
Oklahoma	0	38	0	1	0	0	9
Texas	0	3	0	1	0	0	49
Mountain	**1**	**5**	**0**	**1**	**0**	**0**	**4**
Arizona	0	15	0	1	0	0	2
Colorado	0	54	0	3	0	0	33
Idaho	0	1,901	0	5	0	0	9
Montana	184	141	0	35	0	0	7
Nevada	0	4	0	0	0	0	1
New Mexico	0	6	0	7	0	0	145
Utah	0	17	0	3	0	0	69
Wyoming	3	3	0	129	0	0	7
Pacific Contiguous	**0**	**6**	**0**	**2**	**0**	**0**	**2**
California	0	5	0	3	0	0	3
Oregon	0	0	0	0	0	0	5
Washington	0	118	0	3	0	0	2
Pacific Noncontiguous	**0**	**2**	**0**	**13**	**0**	**0**	**30**
Alaska	0	12	0	13	0	0	30
Hawaii	0	1	0	0	0	0	374
U.S. Total	**0**	**2**	**0**	**0**	**0**	**0**	**2**

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

Electric Utilities by Census Division and State, Year-to-Date through July 2015 (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**	**142**	**5**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	178
Maine	0	0	0	0	0	0	0	776
Massachusetts	0	0	0	142	75	0	0	23
New Hampshire	0	0	0	0	0	0	0	11
Rhode Island	0	0	0	0	0	0	0	113
Vermont	0	0	0	0	0	0	0	31
Middle Atlantic	**0**	**0**	**0**	**44**	**11**	**0**	**0**	**3**
New Jersey	0	0	0	44	44	0	0	27
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	158
East North Central	**0**	**0**	**0**	**100**	**3**	**0**	**13**	**1**
Illinois	0	0	0	411	182	0	0	4
Indiana	0	0	0	113	14	0	0	1
Michigan	0	0	0	0	3	0	152	2
Ohio	0	0	0	185	80	0	0	2
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**1**
Iowa	0	0	0	0	1	0	0	3
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	7	0	0	3
Missouri	0	0	0	0	35	0	0	1
Nebraska	0	0	0	0	15	0	0	2
North Dakota	0	0	0	0	2	0	55	2
South Dakota	0	0	0	0	3	0	0	3
South Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**0**	**0**
Delaware	0	0	0	113	113	0	0	244
Florida	0	0	0	0	2	0	0	0
Georgia	0	0	0	96	96	0	0	0
Maryland	0	0	0	124	124	0	0	66
North Carolina	0	0	0	147	147	0	0	0
South Carolina	0	0	0	0	6	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	24	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**11**	**4**	**0**	**65**	**1**
Arizona	0	0	0	11	11	0	0	0
Colorado	0	0	0	0	23	0	0	1
Idaho	0	0	0	0	6	0	0	7
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	65	0
New Mexico	0	0	0	30	30	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**14**	**1**	**0**	**0**	**1**
California	0	0	0	14	3	0	0	2
Oregon	0	0	0	133	1	0	0	3
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**65**	**30**	**0**	**0**	**5**
Alaska	0	0	0	0	65	0	0	10
Hawaii	0	0	0	65	20	0	0	2
U.S. Total	**0**	**0**	**0**	**8**	**1**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**5**	**0**	**2**	**0**	**0**	**16**
Connecticut	0	7	0	4	0	0	73
Maine	0	2	0	2	0	0	21
Massachusetts	0	12	0	3	0	0	42
New Hampshire	0	1,497	0	0	0	0	30
Rhode Island	0	0	0	1	0	0	651
Vermont	0	0	0	0	0	0	49
Middle Atlantic	**1**	**10**	**0**	**2**	**0**	**0**	**12**
New Jersey	0	13	0	3	0	0	269
New York	0	18	0	5	0	0	20
Pennsylvania	2	12	0	2	0	0	11
East North Central	**0**	**2**	**0**	**2**	**7**	**0**	**60**
Illinois	0	0	0	3	0	0	68
Indiana	0	0	0	42	0	0	0
Michigan	53	0	0	2	0	0	159
Ohio	0	2	0	2	18	0	97
Wisconsin	0	76	0	0	0	0	166
West North Central	**91**	**305**	**0**	**7**	**0**	**0**	**105**
Iowa	0	428	0	2,156	0	0	664
Kansas	0	0	0	0	0	0	347
Minnesota	0	603	0	2	0	0	112
Missouri	91	0	0	10	0	0	0
South Dakota	0	620	0	0	0	0	0
South Atlantic	**1**	**13**	**0**	**2**	**0**	**0**	**8**
Delaware	0	30	0	10	0	0	0
Florida	0	514	0	5	0	0	0
Georgia	0	737	0	1	0	0	365
Maryland	0	7	0	8	0	0	3
North Carolina	28	306	0	0	0	0	178
South Carolina	0	356	0	6	0	0	142
Virginia	24	27	0	1	0	0	160
West Virginia	1	0	0	2	0	0	12
East South Central	**0**	**424**	**0**	**0**	**0**	**0**	**466**
Alabama	0	424	0	0	0	0	0
Kentucky	0	0	0	0	0	0	466
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**2**	**73**	**0**	**0**	**0**	**0**	**8**
Arkansas	0	0	0	0	0	0	224
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	2	87	0	0	0	0	248
Mountain	**7**	**22**	**0**	**1**	**0**	**0**	**31**
Arizona	0	0	0	0	0	0	0
Colorado	98	0	0	10	0	0	116
Idaho	0	0	0	3	0	0	30
Montana	6	11	0	137	0	0	139
Nevada	0	0	0	9	0	0	223
New Mexico	0	0	0	2	0	0	0
Utah	39	433	0	36	0	0	518
Wyoming	127	0	0	194	0	0	513
Pacific Contiguous	**1**	**94**	**371**	**1**	**0**	**0**	**27**
California	106	107	371	1	0	0	25
Oregon	0	0	0	1	0	0	82
Washington	0	202	0	0	0	0	103
Pacific Noncontiguous	**4**	**1**	**0**	**0**	**0**	**0**	**0**
Alaska	35	0	0	0	0	0	0
Hawaii	0	1	0	0	0	0	0
U.S. Total	**1**	**3**	**2**	**1**	**4**	**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.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, July 2015 (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**	**13**	**4**	**0**	**5**	**1**
Connecticut	0	0	0	71	4	0	8	2
Maine	0	0	0	0	2	0	13	8
Massachusetts	0	0	0	14	7	0	7	2
New Hampshire	0	0	0	0	15	0	40	2
Rhode Island	0	0	0	80	9	0	0	1
Vermont	0	0	0	42	33	0	0	36
Middle Atlantic	**0**	**0**	**0**	**15**	**3**	**0**	**4**	**1**
New Jersey	0	0	0	17	8	0	10	2
New York	0	0	0	27	3	0	5	2
Pennsylvania	0	0	0	52	3	0	7	1
East North Central	**0**	**0**	**0**	**20**	**2**	**0**	**20**	**0**
Illinois	0	0	0	50	1	0	0	0
Indiana	0	0	0	24	3	0	0	7
Michigan	0	0	0	0	6	0	20	2
Ohio	0	0	0	50	7	0	0	1
Wisconsin	0	0	0	225	15	0	0	2
West North Central	**0**	**0**	**0**	**62**	**1**	**0**	**35**	**1**
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	225	1	0	0	1
Minnesota	0	0	0	173	5	0	35	4
Missouri	0	0	0	69	6	0	0	8
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**8**	**3**	**0**	**5**	**1**
Delaware	0	0	0	51	30	0	0	9
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	59	4	0	6	3
Georgia	0	0	0	23	12	0	0	1
Maryland	0	0	0	26	5	0	0	1
North Carolina	0	0	0	9	7	0	29	5
South Carolina	0	0	0	142	53	0	172	8
Virginia	0	0	0	0	5	0	0	2
West Virginia	0	0	0	0	1	0	0	1
East South Central	**0**	**0**	**0**	**37**	**10**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	3
Mississippi	0	0	0	0	68	0	0	0
Tennessee	0	0	0	37	22	0	0	22
West South Central	**0**	**0**	**0**	**10**	**0**	**0**	**159**	**1**
Arkansas	0	0	0	0	30	0	0	1
Louisiana	0	0	0	0	27	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	10	0	0	159	1
Mountain	**0**	**6**	**0**	**2**	**2**	**0**	**3**	**2**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	16	1	0	172	4
Idaho	0	71	0	0	9	0	0	7
Montana	0	0	0	0	4	0	0	5
Nevada	0	7	0	3	4	0	0	4
New Mexico	0	162	0	12	5	0	0	2
Utah	0	23	0	72	6	0	221	15
Wyoming	0	0	0	0	5	0	0	45
Pacific Contiguous	**0**	**4**	**0**	**1**	**1**	**0**	**14**	**1**
California	0	4	0	1	1	0	15	1
Oregon	0	0	0	62	2	0	54	1
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**71**	**8**	**0**	**0**	**2**
Alaska	0	0	0	0	99	0	0	33
Hawaii	0	0	0	71	8	0	0	2
U.S. Total	**0**	**4**	**0**	**2**	**1**	**0**	**3**	**0**

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

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

Independent Power Producers by Census Division and State, Year-to-Date through July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**5**	**0**	**2**	**0**	**0**	**16**
Connecticut	0	7	0	4	0	0	73
Maine	0	2	0	2	0	0	21
Massachusetts	0	12	0	3	0	0	42
New Hampshire	0	1,497	0	0	0	0	30
Rhode Island	0	0	0	1	0	0	651
Vermont	0	0	0	0	0	0	49
Middle Atlantic	**1**	**10**	**0**	**2**	**0**	**0**	**12**
New Jersey	0	13	0	3	0	0	269
New York	0	18	0	5	0	0	20
Pennsylvania	2	12	0	2	0	0	11
East North Central	**0**	**2**	**0**	**2**	**7**	**0**	**60**
Illinois	0	0	0	3	0	0	68
Indiana	0	0	0	42	0	0	0
Michigan	53	0	0	2	0	0	159
Ohio	0	2	0	2	18	0	97
Wisconsin	0	76	0	0	0	0	166
West North Central	**91**	**305**	**0**	**7**	**0**	**0**	**105**
Iowa	0	428	0	2,156	0	0	664
Kansas	0	0	0	0	0	0	347
Minnesota	0	603	0	2	0	0	112
Missouri	91	0	0	10	0	0	0
South Dakota	0	620	0	0	0	0	0
South Atlantic	**1**	**13**	**0**	**2**	**0**	**0**	**8**
Delaware	0	30	0	10	0	0	0
Florida	0	514	0	5	0	0	0
Georgia	0	737	0	1	0	0	365
Maryland	0	7	0	8	0	0	3
North Carolina	28	306	0	0	0	0	178
South Carolina	0	356	0	6	0	0	142
Virginia	24	27	0	1	0	0	160
West Virginia	1	0	0	2	0	0	12
East South Central	**0**	**424**	**0**	**0**	**0**	**0**	**466**
Alabama	0	424	0	0	0	0	0
Kentucky	0	0	0	0	0	0	466
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**2**	**73**	**0**	**0**	**0**	**0**	**8**
Arkansas	0	0	0	0	0	0	224
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	2	87	0	0	0	0	248
Mountain	**7**	**22**	**0**	**1**	**0**	**0**	**31**
Arizona	0	0	0	0	0	0	0
Colorado	98	0	0	10	0	0	116
Idaho	0	0	0	3	0	0	30
Montana	6	11	0	137	0	0	139
Nevada	0	0	0	9	0	0	223
New Mexico	0	0	0	2	0	0	0
Utah	39	433	0	36	0	0	518
Wyoming	127	0	0	194	0	0	513
Pacific Contiguous	**1**	**94**	**371**	**1**	**0**	**0**	**27**
California	106	107	371	1	0	0	25
Oregon	0	0	0	1	0	0	82
Washington	0	202	0	0	0	0	103
Pacific Noncontiguous	**4**	**1**	**0**	**0**	**0**	**0**	**0**
Alaska	35	0	0	0	0	0	0
Hawaii	0	1	0	0	0	0	0
U.S. Total	**1**	**3**	**2**	**1**	**4**	**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 July 2015 (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**	**13**	**4**	**0**	**5**	**1**
Connecticut	0	0	0	71	4	0	8	2
Maine	0	0	0	0	2	0	13	8
Massachusetts	0	0	0	14	7	0	7	2
New Hampshire	0	0	0	0	15	0	40	2
Rhode Island	0	0	0	80	9	0	0	1
Vermont	0	0	0	42	33	0	0	36
Middle Atlantic	**0**	**0**	**0**	**15**	**3**	**0**	**4**	**1**
New Jersey	0	0	0	17	8	0	10	2
New York	0	0	0	27	3	0	5	2
Pennsylvania	0	0	0	52	3	0	7	1
East North Central	**0**	**0**	**0**	**20**	**2**	**0**	**20**	**0**
Illinois	0	0	0	50	1	0	0	0
Indiana	0	0	0	24	3	0	0	7
Michigan	0	0	0	0	6	0	20	2
Ohio	0	0	0	50	7	0	0	1
Wisconsin	0	0	0	225	15	0	0	2
West North Central	**0**	**0**	**0**	**62**	**1**	**0**	**35**	**1**
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	225	1	0	0	1
Minnesota	0	0	0	173	5	0	35	4
Missouri	0	0	0	69	6	0	0	8
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**8**	**3**	**0**	**5**	**1**
Delaware	0	0	0	51	30	0	0	9
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	59	4	0	6	3
Georgia	0	0	0	23	12	0	0	1
Maryland	0	0	0	26	5	0	0	1
North Carolina	0	0	0	9	7	0	29	5
South Carolina	0	0	0	142	53	0	172	8
Virginia	0	0	0	0	5	0	0	2
West Virginia	0	0	0	0	1	0	0	1
East South Central	**0**	**0**	**0**	**37**	**10**	**0**	**0**	**0**
Alabama	0	0	0	0	3	0	0	0
Kentucky	0	0	0	0	0	0	0	3
Mississippi	0	0	0	0	68	0	0	0
Tennessee	0	0	0	37	22	0	0	22
West South Central	**0**	**0**	**0**	**10**	**0**	**0**	**159**	**1**
Arkansas	0	0	0	0	30	0	0	1
Louisiana	0	0	0	0	27	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	10	0	0	159	1
Mountain	**0**	**6**	**0**	**2**	**2**	**0**	**3**	**2**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	16	1	0	172	4
Idaho	0	71	0	0	9	0	0	7
Montana	0	0	0	0	4	0	0	5
Nevada	0	7	0	3	4	0	0	4
New Mexico	0	162	0	12	5	0	0	2
Utah	0	23	0	72	6	0	221	15
Wyoming	0	0	0	0	5	0	0	45
Pacific Contiguous	**0**	**4**	**0**	**1**	**1**	**0**	**14**	**1**
California	0	4	0	1	1	0	15	1
Oregon	0	0	0	62	2	0	54	1
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**71**	**8**	**0**	**0**	**2**
Alaska	0	0	0	0	99	0	0	33
Hawaii	0	0	0	71	8	0	0	2
U.S. Total	**0**	**4**	**0**	**2**	**1**	**0**	**3**	**0**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**79**	**0**	**103**	**0**	**0**	**570**
Connecticut	0	236	0	219	0	0	0
Maine	0	430	0	715	0	0	0
Massachusetts	0	108	0	90	0	0	570
New Hampshire	0	172	0	832	0	0	0
Rhode Island	0	178	0	561	0	0	0
Vermont	0	674	0	0	0	0	0
Middle Atlantic	**160**	**40**	**0**	**97**	**0**	**0**	**581**
New Jersey	0	667	0	274	0	0	0
New York	0	41	0	102	0	0	581
Pennsylvania	160	167	0	324	0	0	0
East North Central	**13**	**217**	**0**	**55**	**0**	**0**	**968**
Illinois	39	424	0	100	0	0	968
Indiana	21	1,597	0	164	0	0	0
Michigan	0	57	0	18	0	0	0
Ohio	249	756	0	266	0	0	0
Wisconsin	277	351	0	50	0	0	0
West North Central	**24**	**233**	**0**	**28**	**0**	**0**	**0**
Iowa	36	948	0	72	0	0	0
Minnesota	0	246	0	49	0	0	0
Missouri	0	1,953	0	0	0	0	0
Nebraska	0	0	0	1,561	0	0	0
North Dakota	0	1,566	0	0	0	0	0
South Dakota	0	2,344	0	0	0	0	0
South Atlantic	**62**	**122**	**0**	**141**	**0**	**0**	**300**
District of Columbia	0	0	0	469	0	0	0
Florida	0	0	0	111	0	0	0
Georgia	0	302	0	0	0	0	0
Maryland	227	131	0	176	0	0	0
North Carolina	0	1,133	0	0	0	0	314
South Carolina	0	980	0	195	0	0	718
Virginia	287	858	0	400	0	0	0
East South Central	**0**	**1,390**	**0**	**259**	**0**	**0**	**0**
Mississippi	0	0	0	182	0	0	0
Tennessee	0	1,390	0	292	0	0	0
West South Central	**0**	**390**	**0**	**22**	**0**	**0**	**0**
Arkansas	0	0	0	805	0	0	0
Louisiana	0	0	0	64	0	0	0
Oklahoma	0	35,503	0	125	0	0	0
Texas	0	385	0	23	0	0	0
Mountain	**0**	**888**	**0**	**29**	**0**	**0**	**592**
Arizona	0	1,973	0	47	0	0	0
Colorado	0	744	0	0	0	0	592
Nevada	0	0	0	63	0	0	0
New Mexico	0	0	0	63	0	0	0
Utah	0	0	0	58	0	0	0
Pacific Contiguous	**0**	**259**	**0**	**15**	**0**	**0**	**254**
California	0	429	0	15	0	0	254
Oregon	0	321	0	64	0	0	0
Washington	0	449	0	118	0	0	0
Pacific Noncontiguous	**29**	**94**	**0**	**239**	**0**	**0**	**0**
Alaska	29	121	0	239	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**13**	**41**	**0**	**29**	**0**	**0**	**194**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, July 2015 (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**	**121**	**29**	**0**	**48**	**74**
Connecticut	0	0	0	0	0	0	0	219
Maine	0	0	0	0	34	0	48	84
Massachusetts	0	0	0	121	94	0	0	80
New Hampshire	0	0	0	0	51	0	0	213
Rhode Island	0	0	0	0	198	0	0	403
Vermont	0	0	0	0	338	0	0	303
Middle Atlantic	**0**	**0**	**0**	**27**	**11**	**0**	**14**	**46**
New Jersey	0	0	0	27	15	0	0	75
New York	0	0	0	205	22	0	33	63
Pennsylvania	0	0	0	247	13	0	0	123
East North Central	**0**	**0**	**0**	**217**	**13**	**0**	**17**	**39**
Illinois	0	0	0	0	321	0	0	92
Indiana	0	0	0	0	76	0	108	114
Michigan	0	0	0	0	11	0	16	10
Ohio	0	0	0	217	217	0	0	259
Wisconsin	0	0	0	0	206	0	0	48
West North Central	**0**	**0**	**0**	**0**	**24**	**0**	**87**	**16**
Iowa	0	0	0	0	66	0	0	31
Minnesota	0	0	0	0	87	0	87	39
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	83	0	0	86
North Dakota	0	0	0	0	0	0	0	1,566
South Dakota	0	0	0	0	0	0	0	2,344
South Atlantic	**0**	**0**	**0**	**33**	**14**	**0**	**18**	**64**
Delaware	0	0	0	197	181	0	0	181
District of Columbia	0	0	0	0	0	0	0	469
Florida	0	0	0	262	74	0	0	86
Georgia	0	0	0	229	69	0	0	67
Maryland	0	0	0	141	86	0	573	158
North Carolina	0	0	0	35	27	0	0	24
South Carolina	0	0	0	0	0	0	0	195
Virginia	0	0	0	0	13	0	18	13
East South Central	**0**	**0**	**0**	**341**	**341**	**0**	**0**	**256**
Mississippi	0	0	0	0	0	0	0	182
Tennessee	0	0	0	341	341	0	0	287
West South Central	**0**	**0**	**0**	**233**	**56**	**0**	**0**	**21**
Arkansas	0	0	0	0	147	0	0	201
Louisiana	0	0	0	0	0	0	0	64
Oklahoma	0	0	0	0	0	0	0	125
Texas	0	0	0	233	59	0	0	22
Mountain	**0**	**0**	**0**	**30**	**31**	**0**	**0**	**22**
Arizona	0	0	0	71	71	0	0	40
Colorado	0	0	0	108	93	0	0	120
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	35	35	0	0	32
New Mexico	0	0	0	0	303	0	0	62
Utah	0	0	0	0	0	0	0	58
Pacific Contiguous	**0**	**0**	**0**	**30**	**9**	**0**	**0**	**9**
California	0	0	0	30	9	0	0	9
Oregon	0	0	0	0	69	0	0	52
Washington	0	0	0	0	0	0	0	116
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**7**
Alaska	0	0	0	0	52	0	0	26
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**15**	**6**	**0**	**9**	**17**

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

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

Commercial Sector by Census Division and State, Year-to-Date through July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**79**	**0**	**103**	**0**	**0**	**570**
Connecticut	0	236	0	219	0	0	0
Maine	0	430	0	715	0	0	0
Massachusetts	0	108	0	90	0	0	570
New Hampshire	0	172	0	832	0	0	0
Rhode Island	0	178	0	561	0	0	0
Vermont	0	674	0	0	0	0	0
Middle Atlantic	**160**	**40**	**0**	**97**	**0**	**0**	**581**
New Jersey	0	667	0	274	0	0	0
New York	0	41	0	102	0	0	581
Pennsylvania	160	167	0	324	0	0	0
East North Central	**13**	**217**	**0**	**55**	**0**	**0**	**968**
Illinois	39	424	0	100	0	0	968
Indiana	21	1,597	0	164	0	0	0
Michigan	0	57	0	18	0	0	0
Ohio	249	756	0	266	0	0	0
Wisconsin	277	351	0	50	0	0	0
West North Central	**24**	**233**	**0**	**28**	**0**	**0**	**0**
Iowa	36	948	0	72	0	0	0
Minnesota	0	246	0	49	0	0	0
Missouri	0	1,953	0	0	0	0	0
Nebraska	0	0	0	1,561	0	0	0
North Dakota	0	1,566	0	0	0	0	0
South Dakota	0	2,344	0	0	0	0	0
South Atlantic	**62**	**122**	**0**	**141**	**0**	**0**	**300**
District of Columbia	0	0	0	469	0	0	0
Florida	0	0	0	111	0	0	0
Georgia	0	302	0	0	0	0	0
Maryland	227	131	0	176	0	0	0
North Carolina	0	1,133	0	0	0	0	314
South Carolina	0	980	0	195	0	0	718
Virginia	287	858	0	400	0	0	0
East South Central	**0**	**1,390**	**0**	**259**	**0**	**0**	**0**
Mississippi	0	0	0	182	0	0	0
Tennessee	0	1,390	0	292	0	0	0
West South Central	**0**	**390**	**0**	**22**	**0**	**0**	**0**
Arkansas	0	0	0	805	0	0	0
Louisiana	0	0	0	64	0	0	0
Oklahoma	0	35,503	0	125	0	0	0
Texas	0	385	0	23	0	0	0
Mountain	**0**	**888**	**0**	**29**	**0**	**0**	**592**
Arizona	0	1,973	0	47	0	0	0
Colorado	0	744	0	0	0	0	592
Nevada	0	0	0	63	0	0	0
New Mexico	0	0	0	63	0	0	0
Utah	0	0	0	58	0	0	0
Pacific Contiguous	**0**	**259**	**0**	**15**	**0**	**0**	**254**
California	0	429	0	15	0	0	254
Oregon	0	321	0	64	0	0	0
Washington	0	449	0	118	0	0	0
Pacific Noncontiguous	**29**	**94**	**0**	**239**	**0**	**0**	**0**
Alaska	29	121	0	239	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**13**	**41**	**0**	**29**	**0**	**0**	**194**

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

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

Commercial Sector by Census Division and State, Year-to-Date through July 2015 (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**	**121**	**29**	**0**	**48**	**74**
Connecticut	0	0	0	0	0	0	0	219
Maine	0	0	0	0	34	0	48	84
Massachusetts	0	0	0	121	94	0	0	80
New Hampshire	0	0	0	0	51	0	0	213
Rhode Island	0	0	0	0	198	0	0	403
Vermont	0	0	0	0	338	0	0	303
Middle Atlantic	**0**	**0**	**0**	**27**	**11**	**0**	**14**	**46**
New Jersey	0	0	0	27	15	0	0	75
New York	0	0	0	205	22	0	33	63
Pennsylvania	0	0	0	247	13	0	0	123
East North Central	**0**	**0**	**0**	**217**	**13**	**0**	**17**	**39**
Illinois	0	0	0	0	321	0	0	92
Indiana	0	0	0	0	76	0	108	114
Michigan	0	0	0	0	11	0	16	10
Ohio	0	0	0	217	217	0	0	259
Wisconsin	0	0	0	0	206	0	0	48
West North Central	**0**	**0**	**0**	**0**	**24**	**0**	**87**	**16**
Iowa	0	0	0	0	66	0	0	31
Minnesota	0	0	0	0	87	0	87	39
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	83	0	0	86
North Dakota	0	0	0	0	0	0	0	1,566
South Dakota	0	0	0	0	0	0	0	2,344
South Atlantic	**0**	**0**	**0**	**33**	**14**	**0**	**18**	**64**
Delaware	0	0	0	197	181	0	0	181
District of Columbia	0	0	0	0	0	0	0	469
Florida	0	0	0	262	74	0	0	86
Georgia	0	0	0	229	69	0	0	67
Maryland	0	0	0	141	86	0	573	158
North Carolina	0	0	0	35	27	0	0	24
South Carolina	0	0	0	0	0	0	0	195
Virginia	0	0	0	0	13	0	18	13
East South Central	**0**	**0**	**0**	**341**	**341**	**0**	**0**	**256**
Mississippi	0	0	0	0	0	0	0	182
Tennessee	0	0	0	341	341	0	0	287
West South Central	**0**	**0**	**0**	**233**	**56**	**0**	**0**	**21**
Arkansas	0	0	0	0	147	0	0	201
Louisiana	0	0	0	0	0	0	0	64
Oklahoma	0	0	0	0	0	0	0	125
Texas	0	0	0	233	59	0	0	22
Mountain	**0**	**0**	**0**	**30**	**31**	**0**	**0**	**22**
Arizona	0	0	0	71	71	0	0	40
Colorado	0	0	0	108	93	0	0	120
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	35	35	0	0	32
New Mexico	0	0	0	0	303	0	0	62
Utah	0	0	0	0	0	0	0	58
Pacific Contiguous	**0**	**0**	**0**	**30**	**9**	**0**	**0**	**9**
California	0	0	0	30	9	0	0	9
Oregon	0	0	0	0	69	0	0	52
Washington	0	0	0	0	0	0	0	116
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**7**
Alaska	0	0	0	0	52	0	0	26
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**15**	**6**	**0**	**9**	**17**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**58**	**99**	**0**	**104**	**0**	**0**	**47**
Connecticut	0	532	0	162	0	0	0
Maine	0	96	0	143	0	0	47
Massachusetts	89	399	0	284	0	0	690
New Hampshire	0	728	0	703	0	0	0
Middle Atlantic	**12**	**46**	**80**	**93**	**14**	**0**	**179**
New Jersey	0	221	161	188	33	0	0
New York	0	4	0	222	0	0	179
Pennsylvania	20	165	91	116	11	0	0
East North Central	**5**	**32**	**48**	**67**	**7**	**0**	**121**
Illinois	6	0	0	179	26	0	0
Indiana	112	24	0	102	6	0	0
Michigan	38	38	105	25	0	0	306
Ohio	16	160	274	377	31	0	0
Wisconsin	9	272	0	45	0	0	132
West North Central	**7**	**256**	**147**	**46**	**70**	**0**	**156**
Iowa	7	944	147	56	0	0	0
Kansas	0	0	0	62	0	0	0
Minnesota	18	392	0	75	0	0	156
Missouri	67	0	0	1,083	0	0	0
Nebraska	25	0	0	0	0	0	0
North Dakota	49	265	0	132	70	0	0
South Atlantic	**12**	**89**	**0**	**11**	**0**	**0**	**17**
Delaware	0	0	0	0	0	0	0
Florida	74	199	0	17	0	0	0
Georgia	35	142	0	19	0	0	300
Maryland	0	218	0	478	0	0	0
North Carolina	64	242	0	59	0	0	784
South Carolina	29	0	0	119	0	0	0
Virginia	28	274	0	24	0	0	411
West Virginia	3	0	0	524	0	0	11
East South Central	**5**	**139**	**0**	**33**	**37**	**0**	**0**
Alabama	40	142	0	18	39	0	0
Kentucky	0	0	0	236	0	0	0
Mississippi	0	0	0	36	0	0	0
Tennessee	1	894	0	99	0	0	0
West South Central	**42**	**106**	**47**	**2**	**5**	**0**	**0**
Arkansas	0	0	0	24	0	0	0
Louisiana	0	0	58	2	5	0	0
Oklahoma	47	795	0	85	0	0	0
Texas	0	488	50	2	10	0	0
Mountain	**8**	**671**	**0**	**15**	**5**	**0**	**0**
Colorado	327	2,104	0	189	0	0	0
Idaho	52	0	0	44	0	0	0
Montana	153	0	0	0	0	0	0
Nevada	0	0	0	70	0	0	0
New Mexico	0	1,927	0	0	0	0	0
Utah	0	747	0	26	1,413	0	0
Wyoming	23	1,133	0	10	4	0	0
Pacific Contiguous	**0**	**25**	**0**	**5**	**6**	**0**	**0**
California	0	35	0	5	6	0	0
Oregon	0	0	0	53	0	0	0
Washington	0	35	0	0	0	0	0
Pacific Noncontiguous	**142**	**22**	**0**	**74**	**149**	**0**	**242**
Alaska	0	55	0	74	0	0	0
Hawaii	142	20	0	0	149	0	242
U.S. Total	**4**	**25**	**30**	**4**	**4**	**0**	**25**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, July 2015 (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**	**42**	**46**
Connecticut	0	0	0	0	0	0	0	161
Maine	0	0	0	0	6	0	42	39
Massachusetts	0	0	0	0	296	0	0	239
New Hampshire	0	0	0	0	0	0	0	695
Middle Atlantic	**0**	**0**	**0**	**128**	**12**	**0**	**0**	**38**
New Jersey	0	0	0	376	376	0	0	116
New York	0	0	0	0	5	0	0	59
Pennsylvania	0	0	0	136	17	0	0	47
East North Central	**0**	**0**	**0**	**184**	**11**	**0**	**11**	**11**
Illinois	0	0	0	0	0	0	29	27
Indiana	0	0	0	0	63	0	0	18
Michigan	0	0	0	0	18	0	0	16
Ohio	0	0	0	184	18	0	0	40
Wisconsin	0	0	0	0	20	0	73	12
West North Central	**0**	**0**	**0**	**0**	**14**	**0**	**63**	**8**
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	62
Minnesota	0	0	0	0	14	0	63	14
Missouri	0	0	0	0	283	0	0	211
Nebraska	0	0	0	0	0	0	0	25
North Dakota	0	0	0	0	0	0	0	38
South Atlantic	**0**	**0**	**0**	**0**	**3**	**0**	**6**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	9	0	6	6
Georgia	0	0	0	0	5	0	25	6
Maryland	0	0	0	0	0	0	0	92
North Carolina	0	0	0	0	10	0	0	13
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	6	0	0	8
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**6**	**0**	**37**	**8**
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0	0	0	7	0	0	92
Mississippi	0	0	0	0	5	0	228	8
Tennessee	0	0	0	0	16	0	0	13
West South Central	**0**	**0**	**0**	**0**	**6**	**0**	**10**	**2**
Arkansas	0	0	0	0	5	0	0	5
Louisiana	0	0	0	0	9	0	10	2
Oklahoma	0	0	0	0	30	0	119	27
Texas	0	0	0	0	15	0	13	2
Mountain	**0**	**0**	**0**	**167**	**5**	**0**	**17**	**6**
Colorado	0	0	0	0	306	0	78	78
Idaho	0	0	0	0	3	0	0	10
Montana	0	0	0	0	0	0	0	153
Nevada	0	0	0	167	167	0	0	68
New Mexico	0	0	0	0	0	0	0	1,927
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	9
Pacific Contiguous	**0**	**0**	**0**	**151**	**9**	**0**	**14**	**4**
California	0	0	0	151	23	0	15	4
Oregon	0	0	0	0	14	0	0	14
Washington	0	0	0	0	10	0	0	9
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**29**
Alaska	0	0	0	0	0	0	0	46
Hawaii	0	0	0	0	32	0	0	36
U.S. Total	**0**	**0**	**0**	**79**	**3**	**0**	**6**	**2**

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

Industrial Sector by Census Division and State, Year-to-Date through July 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**58**	**99**	**0**	**104**	**0**	**0**	**47**
Connecticut	0	532	0	162	0	0	0
Maine	0	96	0	143	0	0	47
Massachusetts	89	399	0	284	0	0	690
New Hampshire	0	728	0	703	0	0	0
Middle Atlantic	**12**	**46**	**80**	**93**	**14**	**0**	**179**
New Jersey	0	221	161	188	33	0	0
New York	0	4	0	222	0	0	179
Pennsylvania	20	165	91	116	11	0	0
East North Central	**5**	**32**	**48**	**67**	**7**	**0**	**121**
Illinois	6	0	0	179	26	0	0
Indiana	112	24	0	102	6	0	0
Michigan	38	38	105	25	0	0	306
Ohio	16	160	274	377	31	0	0
Wisconsin	9	272	0	45	0	0	132
West North Central	**7**	**256**	**147**	**46**	**70**	**0**	**156**
Iowa	7	944	147	56	0	0	0
Kansas	0	0	0	62	0	0	0
Minnesota	18	392	0	75	0	0	156
Missouri	67	0	0	1,083	0	0	0
Nebraska	25	0	0	0	0	0	0
North Dakota	49	265	0	132	70	0	0
South Atlantic	**12**	**89**	**0**	**11**	**0**	**0**	**17**
Delaware	0	0	0	0	0	0	0
Florida	74	199	0	17	0	0	0
Georgia	35	142	0	19	0	0	300
Maryland	0	218	0	478	0	0	0
North Carolina	64	242	0	59	0	0	784
South Carolina	29	0	0	119	0	0	0
Virginia	28	274	0	24	0	0	411
West Virginia	3	0	0	524	0	0	11
East South Central	**5**	**139**	**0**	**33**	**37**	**0**	**0**
Alabama	40	142	0	18	39	0	0
Kentucky	0	0	0	236	0	0	0
Mississippi	0	0	0	36	0	0	0
Tennessee	1	894	0	99	0	0	0
West South Central	**42**	**106**	**47**	**2**	**5**	**0**	**0**
Arkansas	0	0	0	24	0	0	0
Louisiana	0	0	58	2	5	0	0
Oklahoma	47	795	0	85	0	0	0
Texas	0	488	50	2	10	0	0
Mountain	**8**	**671**	**0**	**15**	**5**	**0**	**0**
Colorado	327	2,104	0	189	0	0	0
Idaho	52	0	0	44	0	0	0
Montana	153	0	0	0	0	0	0
Nevada	0	0	0	70	0	0	0
New Mexico	0	1,927	0	0	0	0	0
Utah	0	747	0	26	1,413	0	0
Wyoming	23	1,133	0	10	4	0	0
Pacific Contiguous	**0**	**25**	**0**	**5**	**6**	**0**	**0**
California	0	35	0	5	6	0	0
Oregon	0	0	0	53	0	0	0
Washington	0	35	0	0	0	0	0
Pacific Noncontiguous	**142**	**22**	**0**	**74**	**149**	**0**	**242**
Alaska	0	55	0	74	0	0	0
Hawaii	142	20	0	0	149	0	242
U.S. Total	**4**	**25**	**30**	**4**	**4**	**0**	**25**

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

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

Industrial Sector by Census Division and State, Year-to-Date through July 2015 (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**	**42**	**46**
Connecticut	0	0	0	0	0	0	0	161
Maine	0	0	0	0	6	0	42	39
Massachusetts	0	0	0	0	296	0	0	239
New Hampshire	0	0	0	0	0	0	0	695
Middle Atlantic	**0**	**0**	**0**	**128**	**12**	**0**	**0**	**38**
New Jersey	0	0	0	376	376	0	0	116
New York	0	0	0	0	5	0	0	59
Pennsylvania	0	0	0	136	17	0	0	47
East North Central	**0**	**0**	**0**	**184**	**11**	**0**	**11**	**11**
Illinois	0	0	0	0	0	0	29	27
Indiana	0	0	0	0	63	0	0	18
Michigan	0	0	0	0	18	0	0	16
Ohio	0	0	0	184	18	0	0	40
Wisconsin	0	0	0	0	20	0	73	12
West North Central	**0**	**0**	**0**	**0**	**14**	**0**	**63**	**8**
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	62
Minnesota	0	0	0	0	14	0	63	14
Missouri	0	0	0	0	283	0	0	211
Nebraska	0	0	0	0	0	0	0	25
North Dakota	0	0	0	0	0	0	0	38
South Atlantic	**0**	**0**	**0**	**0**	**3**	**0**	**6**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	9	0	6	6
Georgia	0	0	0	0	5	0	25	6
Maryland	0	0	0	0	0	0	0	92
North Carolina	0	0	0	0	10	0	0	13
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	6	0	0	8
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**6**	**0**	**37**	**8**
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0	0	0	7	0	0	92
Mississippi	0	0	0	0	5	0	228	8
Tennessee	0	0	0	0	16	0	0	13
West South Central	**0**	**0**	**0**	**0**	**6**	**0**	**10**	**2**
Arkansas	0	0	0	0	5	0	0	5
Louisiana	0	0	0	0	9	0	10	2
Oklahoma	0	0	0	0	30	0	119	27
Texas	0	0	0	0	15	0	13	2
Mountain	**0**	**0**	**0**	**167**	**5**	**0**	**17**	**6**
Colorado	0	0	0	0	306	0	78	78
Idaho	0	0	0	0	3	0	0	10
Montana	0	0	0	0	0	0	0	153
Nevada	0	0	0	167	167	0	0	68
New Mexico	0	0	0	0	0	0	0	1,927
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	9
Pacific Contiguous	**0**	**0**	**0**	**151**	**9**	**0**	**14**	**4**
California	0	0	0	151	23	0	15	4
Oregon	0	0	0	0	14	0	0	14
Washington	0	0	0	0	10	0	0	9
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**29**
Alaska	0	0	0	0	0	0	0	46
Hawaii	0	0	0	0	32	0	0	36
U.S. Total	**0**	**0**	**0**	**79**	**3**	**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, July 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**0**	**3**	**0**	**1**
Connecticut	1	1	5	0	1
Maine	1	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	4	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	**1**	**1**	**1**	**0**	**1**
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	1	2	6	0	2
Ohio	1	1	2	0	1
Wisconsin	2	3	4	0	2
West North Central	**1**	**2**	**2**	**0**	**1**
Iowa	2	7	5	0	3
Kansas	2	1	4	0	1
Minnesota	2	4	5	0	2
Missouri	1	1	5	0	1
Nebraska	2	7	6	0	3
North Dakota	3	5	9	0	4
South Dakota	4	9	10	0	5
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	0	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	2	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	2	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	2	3	0	1
Colorado	2	5	5	0	2
Idaho	2	5	2	0	2
Montana	4	8	6	0	4
Nevada	1	3	1	0	1
New Mexico	3	7	7	0	4
Utah	2	5	2	0	2
Wyoming	4	8	3	0	3
Pacific Contiguous	**1**	**1**	**2**	**0**	**1**
California	0	1	2	0	1
Oregon	2	4	7	0	3
Washington	2	4	5	0	2
Pacific Noncontiguous	**2**	**5**	**3**	**0**	**2**
Alaska	5	11	13	0	6
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table A.6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**0**	**3**	**0**	**1**
Connecticut	0	1	4	0	1
Maine	13	4	6	0	5
Massachusetts	1	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	1	1	2	0	1
Michigan	0	1	2	0	1
Ohio	0	1	2	0	1
Wisconsin	0	2	2	0	1
West North Central	**0**	**1**	**1**	**0**	**1**
Iowa	1	5	2	0	2
Kansas	1	1	3	0	1
Minnesota	1	3	3	0	1
Missouri	1	1	4	0	1
Nebraska	1	5	4	0	2
North Dakota	1	3	5	0	2
South Dakota	1	7	5	0	3
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	3	2	6	0	2
District of Columbia	4	1	5	0	1
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	1	1	4	0	1
North Carolina	1	0	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	4	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	2	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**1**	**1**	**0**	**1**
Arizona	0	2	2	0	1
Colorado	1	4	3	0	2
Idaho	0	3	2	0	1
Montana	1	5	4	0	2
Nevada	0	2	1	0	1
New Mexico	1	6	4	0	3
Utah	1	4	1	0	2
Wyoming	1	5	2	0	2
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	1	0	0
Oregon	0	3	4	0	1
Washington	0	3	3	0	1
Pacific Noncontiguous	**1**	**3**	**2**	**0**	**1**
Alaska	1	7	6	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**3**	**0**	**0**
Connecticut	0	1	5	0	1
Maine	1	1	3	0	1
Massachusetts	1	1	5	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	3	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**1**	**2**	**0**	**0**
Illinois	1	1	3	0	1
Indiana	1	2	2	0	1
Michigan	1	1	7	0	1
Ohio	1	1	3	0	1
Wisconsin	2	2	5	0	2
West North Central	**1**	**1**	**3**	**0**	**1**
Iowa	2	5	6	0	2
Kansas	2	2	4	0	1
Minnesota	2	3	6	0	2
Missouri	1	1	4	0	1
Nebraska	3	6	6	0	3
North Dakota	4	4	8	0	4
South Dakota	5	8	11	0	4
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	11	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	1	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	1	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	2	2	4	0	1
Mississippi	2	2	3	0	1
Tennessee	1	2	4	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	2	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	3	0	1
Texas	1	1	1	0	1
Mountain	**1**	**3**	**2**	**0**	**1**
Arizona	1	3	4	0	1
Colorado	2	6	7	0	3
Idaho	2	4	2	0	1
Montana	4	6	10	0	4
Nevada	1	16	1	0	3
New Mexico	3	8	10	0	4
Utah	2	7	3	0	3
Wyoming	5	7	4	0	3
Pacific Contiguous	**0**	**1**	**2**	**0**	**0**
California	0	1	2	0	1
Oregon	2	3	8	0	2
Washington	2	3	7	0	2
Pacific Noncontiguous	**2**	**3**	**2**	**0**	**1**
Alaska	5	8	12	0	5
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table A.7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**0**
Connecticut	0	1	4	0	0
Maine	7	2	2	0	4
Massachusetts	0	1	3	0	0
New Hampshire	0	1	3	0	0
Rhode Island	0	8	0	0	4
Vermont	2	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	1	2	0	1
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	1	1	1	0	1
Michigan	0	1	2	0	1
Ohio	0	1	2	0	0
Wisconsin	0	2	3	0	1
West North Central	**0**	**1**	**2**	**0**	**1**
Iowa	1	4	4	0	2
Kansas	1	1	3	0	1
Minnesota	1	3	4	0	1
Missouri	1	1	4	0	1
Nebraska	1	4	5	0	2
North Dakota	1	3	5	0	2
South Dakota	1	5	7	0	2
South Atlantic	**0**	**0**	**1**	**3**	**0**
Delaware	3	2	6	0	2
District of Columbia	6	1	3	6	2
Florida	0	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	2	0	1
North Carolina	1	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	2	2	0	1
Mississippi	1	1	3	0	1
Tennessee	1	1	4	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**	**2**	**1**	**0**	**1**
Arizona	0	2	3	0	1
Colorado	1	4	5	0	2
Idaho	1	3	2	0	1
Montana	1	4	7	0	2
Nevada	0	13	1	0	4
New Mexico	1	6	7	0	3
Utah	1	4	2	0	2
Wyoming	1	4	2	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**0**
California	0	1	2	0	0
Oregon	1	2	5	0	1
Washington	0	2	4	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	2	5	7	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2015

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

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Table A.8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**3**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	11	4	5	0	5
Massachusetts	0	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	8	0	0	4
Vermont	1	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	1	2	0	1
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	1	1	2	0	1
Michigan	0	2	2	0	1
Ohio	0	1	2	0	1
Wisconsin	0	3	3	0	1
West North Central	**0**	**1**	**2**	**0**	**1**
Iowa	0	6	4	0	2
Kansas	1	1	3	0	1
Minnesota	0	3	4	0	2
Missouri	1	1	5	0	1
Nebraska	0	6	6	0	3
North Dakota	0	4	6	0	3
South Dakota	1	7	8	0	3
South Atlantic	**0**	**0**	**1**	**3**	**0**
Delaware	2	2	8	0	2
District of Columbia	4	1	5	6	1
Florida	0	1	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**2**	**0**	**1**
Alabama	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	1	2	3	0	1
Tennessee	1	2	4	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	2	2	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	1	1	0	0
Mountain	**0**	**2**	**2**	**0**	**1**
Arizona	0	2	3	0	1
Colorado	0	5	6	0	2
Idaho	0	4	2	0	1
Montana	1	6	7	0	3
Nevada	0	13	1	0	4
New Mexico	0	7	8	0	3
Utah	0	5	2	0	2
Wyoming	1	6	3	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**1**
California	0	1	2	0	1
Oregon	0	3	6	0	2
Washington	0	3	5	0	1
Pacific Noncontiguous	**1**	**3**	**2**	**0**	**1**
Alaska	2	7	8	0	4
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

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
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	2	02/06/2015 8:58 PM	ongoing	ongoing	Pacific Gas & Electric Co	WECC	Northern California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Wind	Unknown	65000
2015	2	02/16/2015 9:00 PM	02/18/2015 2:00 PM	41 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	67189
2015	2	02/16/2015 9:41 PM	02/18/2015 7:00 AM	33 Hours, 19 Minutes	Southern Company	SERC	Northern/North Eastern, Georgia	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	620	186035
2015	2	02/17/2015 2:12 AM	02/18/2015 4:00 PM	37 Hours, 48 Minutes	Duke Energy Carolinas	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	68000
2015	2	02/17/2015 9:00 AM	02/18/2015 11:00 PM	38 Hours, 0 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	52000
2015	2	02/18/2015 3:00 PM	02/20/2015 9:00 AM	42 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Public appeal to reduce the use of electricity - Severe Weather- Winter	Unknown	Unknown
2015	2	02/20/2015 6:00 AM	02/20/2015 10:00 AM	4 Hours, 0 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	System-wide voltage reductions of 3 percent or more - Severe Weather- Winter	Unknown	Unknown
2015	2	02/21/2015 8:34 AM	02/21/2015 12:45 PM	4 Hours, 11 Minutes	Tennessee Valley Authority	SERC	Fentress County, Tennessee	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	50000
2015	2	02/26/2015 3:12 AM	02/26/2015 8:00 PM	16 Hours, 48 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	124000
2015	2	02/26/2015 3:30 AM	02/27/2015 12:00 PM	32 Hours, 30 Minutes	Duke Energy Carolinas	SERC	North Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	400	103776
2015	3	03/15/2015 3:30 PM	03/15/2015 7:00 PM	3 Hours, 30 Minutes	Portland General Electric Co	WECC	Greater Portland & Salem , Oregon	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Wind	210	71000
2015	3	03/26/2015 3:21 PM	03/26/2015 4:59 PM	1 Hours, 38 Minutes	Pacific Gas & Electric Co	WECC	Contra Costa County, California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	15	Unknown
2015	4	04/03/2015 2:00 AM	04/03/2015 7:48 AM	5 Hours, 48 Minutes	Westar Energy Inc	SPP	Harvey, Reno, and Sedgwick Counties, Kansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Thunderstorms	Unknown	70000
2015	4	04/06/2015 8:12 AM	04/06/2015 12:08 PM	3 Hours, 56 Minutes	Pacific Gas & Electric Co	WECC	Butte County, California	Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	Unknown	80000
2015	4	04/07/2015 12:30 PM	04/07/2015 5:34 PM	5 Hours, 4 Minutes	Potomac Electric Power Co	RFC	Unknown	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	Unknown	Unknown
2015	4	04/07/2015 3:34 PM	04/07/2015 3:46 PM	0 Hours, 12 Minutes	WAPA Sierra Nevada Region	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	0	0
2015	4	04/17/2015 9:16 AM	04/17/2015 11:00 AM	1 Hours, 44 Minutes	Peak Reliability	WECC	Canada	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	9300	Unknown
2015	4	04/17/2015 9:30 PM	04/19/2015 11:50 PM	50 Hours, 20 Minutes	CenterPoint Energy	TRE	Houston, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	280982
2015	4	04/18/2015 9:00 PM	04/21/2015 4:00 AM	55 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Dallas, Fort Worth, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	89000
2015	4	04/24/2015 7:10 PM	04/26/2015 4:00 PM	44 Hours, 50 Minutes	Oncor Electric Delivery Company LLC	TRE	Dallas, Fort Worth, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57000
2015	4	04/27/2015 10:30 AM	04/28/2015 6:45 PM	32 Hours, 15 Minutes	Entergy Services, Inc.	SERC	Louisiana and Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	199000
2015	5	05/18/2015 3:28 PM	05/18/2015 3:47 PM	0 Hours, 19 Minutes	Peak Reliability for BCHA	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - Severe Weather	275	0
2015	5	05/25/2015 6:00 PM	05/29/2015 7:15 AM	85 Hours, 15 Minutes	Oncor Electric Delivery Company LLC	TRE	North Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	454000
2015	5	05/25/2015 8:30 PM	ongoing	ongoing	Southwest Power Pool, Inc.	SPP	Texas, Louisiana, Arkansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57351
2015	5	05/25/2015 8:30 PM	05/26/2015 6:30 PM	22 Hours, 0 Minutes	American Electric Power - (SPP Reliability Region)	SPP	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57531
2015	5	05/25/2015 10:45 PM	05/28/2015 1:25 AM	50 Hours, 40 Minutes	CenterPoint Energy	TRE	Fort Bend County, & Harris County ,Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	61000
2015	5	05/26/2015 5:30 AM	05/27/2015 7:00 PM	37 Hours, 30 Minutes	Entergy Services, Inc.	SERC	Texas, Louisiana, Arkansas, Mississippi	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	78515
2015	6	06/01/2015 7:19 PM	06/02/2015 8:36 AM	13 Hours, 17 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	5	484

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

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
2015	6	06/02/2015 6:58 PM	06/02/2015 7:24 PM	0 Hours, 26 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	5	727
2015	6	06/03/2015 3:00 PM	06/05/2015 5:00 PM	50 Hours, 0 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - System Operations	Unknown	Unknown
2015	6	06/07/2015 1:52 PM	06/07/2015 2:13 PM	0 Hours, 21 Minutes	Tennessee Valley Authority	SERC	Tennessee	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	Unknown	Unknown
2015	6	06/07/2015 1:54 PM	06/07/2015 2:13 PM	0 Hours, 19 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident and System-wide voltage reductions of 3 percent or more - System Operations	926	Unknown
2015	6	06/08/2015 12:00 AM	ongoing	ongoing	California Department of Water Resources	WECC	Merced County, California	Fuel supply emergencies that could impact electric power system adequacy or reliability - System Operations	176	Unknown
2015	6	06/23/2015 5:06 PM	06/26/2015 4:00 PM	70 Hours, 54 Minutes	Delmarva Power & Light Company	RFC	New Castle County, Delaware	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	65000
2015	6	06/23/2015 5:30 PM	06/23/2015 7:00 PM	1 Hours, 30 Minutes	Exelon Corporation / PECO	RFC	Delaware County, PA; Chester County, PA	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	200000
2015	6	06/23/2015 6:00 PM	06/30/2015 6:00 PM	168 Hours, 0 Minutes	Atlantic City Electric Co	RFC	Gloucester County, Burlington County, Atlantic County, Cape May County, New Jersey	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	263000
2015	6	06/23/2015 6:18 PM	06/23/2015 8:30 PM	2 Hours, 12 Minutes	PJM Interconnection	RFC	New Jersey	Load shedding of 100 Megawatts or more implemented under emergency operational policy and Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	198	156338
2015	6	06/23/2015 6:26 PM	ongoing	. Hours, . Minutes	Public Service Electric & Gas	NPCC	New Jersey	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	90	73000
2015	6	06/23/2015 6:30 PM	06/24/2015 5:00 AM	10 Hours, 30 Minutes	ISO New England	NPCC	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	62442
2015	6	06/26/2015 2:00 AM	ongoing	ongoing	Kansas City Power & Light Co	SPP	Kansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	110000
2015	6	06/27/2015 5:00 PM	06/30/2015 5:18 PM	72 Hours, 18 Minutes	Detroit Edison Co	RFC	Wayne County, Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	68000
2015	6	06/29/2015 7:21 PM	06/29/2015 7:42 PM	0 Hours, 21 Minutes	Peak Reliability	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - Severe Weather	0	0
2015	6	06/30/2015 10:50 AM	07/01/2015 9:00 PM	34 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	California	Public appeal to reduce the use of electricity - Severe Weather	Unknown	Unknown
2015	6	06/30/2015 2:00 PM	06/30/2015 9:00 PM	7 Hours, 0 Minutes	California ISO	WECC	California	Public appeal to reduce the use of electricity - Severe Weather	Unknown	Unknown
2015	7	07/03/2015 5:17 PM	07/03/2015 11:30 PM	6 Hours, 13 Minutes	ERCOT	TRE	Texas	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	350	30000
2015	7	07/13/2015 2:14 PM	07/16/2015 6:00 AM	63 Hours, 46 Minutes	Duke Energy Ohio Inc	RFC	Ohio, Kentucky	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	480	68339
2015	7	07/13/2015 7:40 PM	07/15/2015 12:15 PM	40 Hours, 35 Minutes	American Electric Power - (RFC Reliability Region)	RFC	Virginia	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	52739
2015	7	07/14/2015 3:29 PM	07/15/2015 11:55 AM	20 Hours, 26 Minutes	Entergy Services, Inc.	SPP	Arkansas	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - Severe Weather	Unknown	Unknown
2015	7	07/14/2015 8:00 PM	07/15/2015 9:23 AM	13 Hours, 23 Minutes	Southern Company	SERC	Alabama	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	366	111644
2015	7	07/15/2015 2:00 AM	07/15/2015 2:55 AM	0 Hours, 55 Minutes	California Department of Water Resources	WECC	California	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	360	0
2015	7	07/16/2015 4:45 PM	07/16/2015 5:48 PM	1 Hours, 3 Minutes	American Electric Power - (SPP Reliability Region)	SPP	Texas	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	117	17311
2015	7	07/18/2015 2:00 AM	07/19/2015 7:00 AM	29 Hours, 0 Minutes	Northern States Power Co	MRO	Henepin and Ramsey County, Minnesota	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	250	250000
2015	7	07/18/2015 6:26 PM	07/18/2015 9:03 PM	2 Hours, 37 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	30	70
2015	7	07/18/2015 7:59 PM	07/18/2015 10:45 PM	2 Hours, 46 Minutes	Pacific Gas & Electric Co	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	160	78164
2015	7	07/21/2015 12:47 PM	07/21/2015 1:12 PM	0 Hours, 25 Minutes	Peak Reliability	WECC	Washington	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	200	Unknown

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

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
2015	7	07/27/2015 3:52 AM	07/27/2015 4:36 AM	0 Hours, 44 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	Unknown	484
2015	7	07/28/2015 12:05 PM	07/28/2015 12:26 PM	0 Hours, 21 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more - System Operations	150	Unknown
2015	7	07/29/2015 4:45 PM	07/29/2015 9:00 PM	4 Hours, 15 Minutes	Long Island Power Authority	NPCC	New York	Fuel supply emergencies that could impact electric power system adequacy or reliability - System Operations	500	0
2015	7	07/30/2015 9:50 AM	07/30/2015 7:00 PM	9 Hours, 10 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - System Operations	Unknown	Unknown
2015	7	07/31/2015 10:55 AM	ongoing	ongoing	Peak Reliability	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	9	0

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, 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	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 8:44 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	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 8:49 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.2 Major Disturbances and Unusual Occurrences, 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.2 Major Disturbances and Unusual Occurrences, 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
2014	12	12/11/2014 6:40 AM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
2014	12	12/11/2014 7:21 AM	12/11/2014 9:53 PM	14 Hours, 32 Minutes	Pacific Gas & Electric Co	WECC	San Francisco, California	Distribution Interruption - Unknown Cause	225	75000
2014	12	12/11/2014 4:05 PM	12/11/2014 9:00 PM	4 Hours, 55 Minutes	Portland General Electric Co	WECC	Portland, Oregon	Severe Weather- High Winds	250	85470
2014	12	12/11/2014 5:00 PM	12/12/2014 10:00 AM	17 Hours, 0 Minutes	Puget Sound Energy	WECC	Kitsap, Thurston, Whatcom counties Washington	Severe Weather- High Winds	116	264000
2014	12	12/11/2014 11:15 PM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
2014	12	12/30/2014 1:08 PM	01/01/2015 4:50 PM	51 Hours, 42 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	127	84500

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

92

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

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

[3] Biogenic components include newsprint, paper, containers and packaging, leather, textiles, yard trimmings, food wastes, and wood. Non-biogenic components include plastics, rubber and other miscellaneous non-biogenic waste.

Table C.1 Average Heat Content of Fossil-Fuel Receipts, July 2015

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	23.44	5.90	--	1.03
Connecticut	--	5.80	--	1.03
Maine	25.11	5.99	--	1.02
Massachusetts	21.23	5.52	--	1.03
New Hampshire	26.06	5.70	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.37	5.82	--	1.04
New Jersey	25.55	6.31	--	1.04
New York	23.40	5.72	--	1.03
Pennsylvania	23.31	5.81	--	1.04
East North Central	19.93	5.80	28.20	1.04
Illinois	17.77	5.79	--	1.02
Indiana	22.15	5.77	29.50	1.06
Michigan	18.95	5.89	26.70	1.02
Ohio	24.39	5.78	27.99	1.06
Wisconsin	17.87	5.81	27.58	1.04
West North Central	16.62	5.75	--	1.05
Iowa	17.55	5.72	--	1.06
Kansas	17.22	5.75	--	1.04
Minnesota	17.73	5.78	--	1.05
Missouri	17.52	5.76	--	1.03
Nebraska	16.91	--	--	1.08
North Dakota	13.14	5.82	--	0.98
South Dakota	16.52	--	--	1.06
South Atlantic	23.38	6.14	28.54	1.03
Delaware	--	5.68	--	1.04
District of Columbia	--	--	--	--
Florida	23.42	5.78	28.69	1.02
Georgia	20.16	5.96	25.39	1.03
Maryland	25.08	6.04	--	1.04
North Carolina	24.72	5.77	--	1.04
South Carolina	24.86	6.05	--	1.03
Virginia	22.05	6.22	--	1.06
West Virginia	24.33	5.75	--	1.07
East South Central	21.01	6.02	28.39	1.03
Alabama	20.56	5.62	--	1.03
Kentucky	22.12	5.84	28.39	1.04
Mississippi	15.47	6.32	--	1.03
Tennessee	21.68	5.77	--	1.01
West South Central	15.84	5.85	28.44	1.03
Arkansas	17.58	5.85	--	1.03
Louisiana	15.99	5.88	28.44	1.03
Oklahoma	17.20	--	--	1.05
Texas	15.29	5.83	--	1.03
Mountain	18.84	5.71	--	1.04
Arizona	19.42	5.54	--	1.04
Colorado	19.17	--	--	1.08
Idaho	--	--	--	1.01
Montana	17.15	--	--	--
Nevada	18.68	5.83	--	1.04
New Mexico	18.09	5.66	--	1.04
Utah	21.80	5.88	--	1.04
Wyoming	17.62	5.88	--	1.03
Pacific Contiguous	17.54	5.93	--	1.04
California	22.37	--	--	1.04
Oregon	17.24	5.83	--	1.04
Washington	16.85	6.00	--	1.07
Pacific Noncontiguous	21.58	6.12	--	1.00
Alaska	--	--	--	1.00
Hawaii	21.58	6.12	--	--
U.S. Total	19.16	6.05	28.41	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, 2011 through 2013

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2011**	**2012**	**2013**
Net Generation			
Coal	0.15%	0.20%	0.31%
Petroleum Liquids	2.67%	4.25%	4.04%
Petroleum Coke	14.41%	2.45%	0.95%
Natural Gas	0.41%	0.46%	0.98%
Other Gases	2.95%	6.36%	5.81%
Hydroelectric	2.03%	0.70%	0.65%
Nuclear	0.00%	0.00%	0.00%
Other	1.03%	1.08%	0.56%
Total	**0.16%**	**0.20%**	**0.19%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.23%	0.16%	0.07%
Petroleum Liquids	2.90%	4.47%	3.49%
Petroleum Coke	9.93%	3.99%	1.03%
Natural Gas	0.28%	0.37%	0.99%
Fuel Stocks for Electric Power Sector			
Coal	0.46%	0.57%	0.25%
Petroleum Liquids	0.55%	0.64%	2.54%
Petroleum Coke	2.64%	8.22%	0.08%
Retail Sales			
Residential	0.15%	0.16%	0.27%
Commercial	0.66%	0.39%	0.43%
Industrial	1.61%	0.50%	2.47%
Transportation	0.88%	2.44%	1.45%
Total	**0.64%**	**0.27%**	**0.90%**
Revenue			
Residential	0.73%	0.13%	0.32%
Commercial	0.24%	0.20%	0.33%
Industrial	0.58%	0.20%	2.76%
Transportation	0.29%	1.09%	4.07%
Total	**0.31%**	**0.13%**	**0.76%**
Average Retail Price			
Residential	0.66%	0.10%	0.12%
Commercial	0.79%	0.27%	0.11%
Industrial	1.02%	0.39%	0.30%
Transportation	1.08%	1.57%	2.70%
Total	**0.90%**	**0.21%**	**0.13%**
Receipt of Fossil Fuels			
Coal	1.15%	0.99%	2.50%
Petroleum Liquids	5.25%	23.68%	0.79%
Petroleum Coke	16.19%	13.72%	2.30%
Natural Gas	0.52%	10.47%	0.47%
Cost of Fossil Fuels			
Coal	0.31%	0.90%	0.18%
Petroleum Liquids	1.55%	0.53%	0.14%
Petroleum Coke	8.98%	11.66%	1.22%
Natural Gas	0.50%	0.77%	0.02%

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, 2011 through 2013

	2011			2012			2013		
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	1,734,265	1,733,430	-0.05%	1,517,203	1,514,043	-0.21%	1,585,998	1,581,115	-0.31%
Petroleum Liquids	15,840	16,086	1.56%	13,209	13,403	1.47%	13,410	13,820	3.06%
Petroleum Coke	12,322	14,096	14.39%	9,691	9,787	0.99%	13,453	13,344	-0.81%
Natural Gas	1,016,595	1,013,689	-0.29%	1,230,708	1,225,894	-0.39%	1,113,665	1,124,836	1.00%
Other Gases	11,269	11,566	2.64%	11,212	11,898	6.11%	12,271	12,853	4.75%
Hydroelectric	319,162	312,934	-1.95%	271,878	271,290	-0.22%	264,713	263,884	-0.31%
Nuclear	790,225	790,204	0.00%	769,331	769,331	0.00%	789,017	789,016	0.00%
Other	206,057	208,135	1.01%	231,253	232,120	0.37%	265,683	267,096	0.53%
Total	**4,105,734**	**4,100,141**	**-0.14%**	**4,054,485**	**4,047,765**	**-0.17%**	**4,058,209**	**4,065,964**	**0.19%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	932,911	934,938	0.22%	826,700	825,734	-0.12%	860,790	860,729	-0.01%
Petroleum Liquids (1,000 barrels)	26,728	27,326	2.24%	22,523	22,604	0.36%	22,751	23,231	2.11%
Petroleum Coke (1,000 tons)	4,561	5,012	9.89%	3,552	3,675	3.44%	4,893	4,852	-0.83%
Natural Gas (1,000 Mcf)	7,880,481	7,883,865	0.04%	9,465,207	9,484,710	0.21%	8,512,483	8,596,299	0.98%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	175,100	172,387	-1.55%	184,923	185,116	0.10%	147,973	147,884	-0.06%
Petroleum Liquids (1,000 barrels)	35,260	34,847	-1.17%	31,897	32,224	1.03%	31,045	31,673	2.03%
Petroleum Coke (1,000 tons)	470	508	8.17%	495	495	-0.01%	390	390	-0.01%
Retail Sales (Million kWh)									
Residential	1,423,700	1,422,801	-0.06%	1,374,594	1,374,515	-0.01%	1,391,090	1,394,889	0.27%
Commercial	1,319,288	1,328,057	0.66%	1,323,844	1,327,101	0.25%	1,338,448	1,344,192	0.43%
Industrial	975,569	991,316	1.61%	980,837	985,714	0.50%	954,725	978,354	2.47%
Transportation	7,606	7,672	0.87%	7,504	7,320	-2.45%	7,525	7,625	1.32%
Total	**3,726,163**	**3,749,846**	**0.64%**	**3,686,780**	**3,694,650**	**0.21%**	**3,691,789**	**3,725,060**	**0.90%**
Revenue (Million Dollars)									
Residential	167,930	166,714	-0.72%	163,352	163,280	-0.04%	168,546	169,109	0.33%
Commercial	136,138	135,927	-0.16%	133,908	133,898	-0.01%	137,778	138,228	0.33%
Industrial	67,212	67,606	0.59%	65,691	65,761	0.11%	65,111	66,908	2.76%
Transportation	805	803	-0.25%	754	747	-0.90%	773	805	4.08%
Total	**372,084**	**371,049**	**-0.28%**	**363,705**	**363,687**	**0.00%**	**372,208**	**375,049**	**0.76%**
Average Retail Price (Cents/kWh)									
Residential	11.80	11.72	-0.66%	11.88	11.88	-0.04%	12.12	12.12	0.06%
Commercial	10.32	10.24	-0.81%	10.12	10.09	-0.25%	10.29	10.28	-0.10%
Industrial	6.89	6.82	-1.01%	6.70	6.67	-0.39%	6.82	6.84	0.28%
Transportation	10.58	10.46	-1.11%	10.05	10.21	1.59%	10.28	10.55	2.72%
Total	**9.99**	**9.90**	**-0.91%**	**9.87**	**9.84**	**-0.22%**	**10.08**	**10.07**	**-0.14%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	945,581	956,538	1.16%	849,667	841,183	-1.00%	803,206	823,222	2.49%
Petroleum Liquids (1,000 barrels)	34,342	36,158	5.29%	25,485	19,464	-23.63%	20,348	20,413	0.32%
Petroleum Coke (1,000 tons)	5,163	5,980	15.82%	4,858	4,180	-13.95%	4,555	4,660	2.31%
Natural Gas (1,000 Mcf)	9,025,066	9,056,164	0.34%	10,631,822	9,531,389	-10.35%	8,463,303	8,503,424	0.47%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.40	2.39	-0.25%	2.40	2.38	-0.89%	2.35	2.34	-0.12%
Petroleum Liquids (1,000 barrels)	20.10	19.94	-0.76%	21.82	21.85	0.12%	20.59	20.56	-0.12%
Petroleum Coke (1,000 tons)	2.80	3.03	8.27%	2.54	2.24	-11.90%	2.16	2.17	0.70%
Natural Gas (1,000 Mcf)	4.71	4.72	0.41%	3.40	3.42	0.64%	4.33	4.33	0.03%

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 2013 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.