Independent Statistics & Analysis
U.S. Energy Information Administration

Electric Power Monthly
with Data for October 2015

December 2015

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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, sales of electricity to ultimate consumers, associated revenue, and average price of electricity sold. In addition, the report contains rolling 12-month totals in the national overviews, as appropriate.

Data sources

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

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					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	97,409	111,296	-12.5%	72,989	82,991	23,430	27,332	34	31	955	942	0	0
Petroleum Liquids	Utility Scale Facilities	936	908	3.0%	686	652	209	209	7	9	34	39	0	0
Petroleum Coke	Utility Scale Facilities	847	609	39.0%	610	457	150	51	1	1	86	101	0	0
Natural Gas	Utility Scale Facilities	109,921	97,683	12.5%	49,587	42,360	52,755	47,693	638	601	6,941	7,028	0	0
Other Gas	Utility Scale Facilities	842	1,082	-22.2%	12	4	195	331	0	0	634	748	0	0
Nuclear	Utility Scale Facilities	60,571	62,391	-2.9%	31,886	32,017	28,685	30,374	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	16,700	17,159	-2.7%	15,298	15,863	1,303	1,200	NM	2	97	93	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	24,891	22,718	9.6%	3,301	2,950	18,981	17,198	278	266	2,331	2,304	0	0
... Wind	Utility Scale Facilities	16,391	14,508	13.0%	2,695	2,338	13,681	12,154	10	11	NM	5	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	2,021	1,717	17.7%	123	124	1,854	1,556	42	36	NM	1	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,287	3,422	-3.9%	246	265	832	974	5	4	2,204	2,180	0	0
... Other Biomass	Utility Scale Facilities	1,816	1,726	5.2%	138	127	1,336	1,266	221	215	120	118	0	0
... Geothermal	Utility Scale Facilities	1,376	1,345	2.3%	98	97	1,278	1,248	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-443	-448	-1.0%	-364	-351	-79	-97	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,124	1,122	0.2%	49	48	561	566	94	97	420	411	0	0
All Energy Sources	Utility Scale Facilities	312,797	314,522	-0.5%	174,054	176,990	126,189	124,857	1,056	1,008	11,498	11,667	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	1,018	819	24.3%	0	0	0	0	402	355	101	83	514	382
Estimated Total Solar Photovoltaic	All Facilities	2,830	2,303	22.9%	117	107	1,652	1,339	444	390	NM	84	514	382
Estimated Total Solar	All Facilities	3,039	2,536	19.8%	123	124	1,854	1,556	444	390	NM	84	514	382
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	53,994	61,129	-11.7%	39,774	44,987	13,866	15,772	11	11	344	359	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,556	1,550	0.4%	1,237	1,218	266	251	9	28	44	53	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	306	230	33.1%	227	178	57	23	0	0	22	29	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	826,750	736,039	12.3%	382,560	323,456	388,708	356,020	6,082	5,939	49,400	50,625	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,263	1,359	-7.0%	77	66	107	122	50	47	1,028	1,123	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	219	208	5.2%	2	0	102	92	8	2	108	114	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	90	86	5.0%	0	0	8	9	2	1	80	75	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	75,381	71,722	5.1%	688	431	24,968	23,484	4,244	3,776	45,482	44,032	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	55,257	62,488	-11.6%	39,851	45,053	13,973	15,895	61	58	1,372	1,482	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,775	1,758	0.9%	1,238	1,219	368	343	17	30	151	166	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	397	316	25.5%	227	178	66	32	2	2	102	104	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	902,131	807,761	11.7%	383,248	323,887	413,676	379,503	10,325	9,715	94,882	94,657	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	177,602	139,540	27.3%	140,089	105,094	35,737	31,870	153	284	1,623	2,291	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	32,573	33,388	-2.4%	20,270	21,741	10,645	9,142	249	645	1,409	1,860	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,289	768	67.8%	1,026	W	125	W	W	W	W	257	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for October									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	October 2015	October 2014	Percentage Change	October 2015	October 2014	Percentage Change	October 2015	October 2014	Percentage Change
Residential	99,083	98,038	1.1%	12,616	12,352	2.1%	12.73	12.60	1.0%
Commercial	112,791	113,023	-0.2%	12,067	12,239	-1.4%	10.70	10.83	-1.2%
Industrial	80,903	84,994	-4.8%	5,564	6,007	-7.4%	6.88	7.07	-2.7%
Transportation	637	625	1.9%	64	64	-0.7%	10.01	10.27	-2.5%
All Sectors	293,414	296,680	-1.1%	30,311	30,663	-1.1%	10.33	10.34	-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.
Sales of electricity to ultimate customers 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 sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2015 and 2014

Net Generation and Consumption of Fuels for January through October														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	1,178,547	1,337,963	-11.9%	881,986	992,722	286,304	334,374	418	507	9,839	10,360	0	0
Petroleum Liquids	Utility Scale Facilities	15,454	16,367	-5.6%	9,183	9,386	5,620	6,293	187	227	465	460	0	0
Petroleum Coke	Utility Scale Facilities	9,526	10,032	-5.0%	7,184	7,683	1,400	1,183	7	7	934	1,160	0	0
Natural Gas	Utility Scale Facilities	1,121,352	951,218	17.9%	514,214	423,823	529,763	449,872	6,378	6,065	70,997	71,457	0	0
Other Gas	Utility Scale Facilities	10,952	9,795	11.8%	195	88	2,973	2,605	0	0	7,783	7,102	0	0
Nuclear	Utility Scale Facilities	667,280	658,663	1.3%	349,932	346,892	317,348	311,771	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	208,438	218,413	-4.6%	191,198	200,402	16,123	16,919	NM	34	1,085	1,058	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	241,176	229,784	5.0%	30,237	28,112	184,282	175,068	2,822	2,737	23,835	23,867	0	0
... Wind	Utility Scale Facilities	150,908	148,077	1.9%	23,871	22,387	126,895	125,564	98	83	44	42	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	22,913	15,280	50.0%	1,435	1,055	20,978	13,887	479	323	21	14	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	35,349	35,095	0.7%	2,739	2,529	9,885	9,821	49	68	22,676	22,678	0	0
... Other Biomass	Utility Scale Facilities	17,986	18,192	-1.1%	1,294	1,210	13,402	13,587	2,197	2,263	1,094	1,132	0	0
... Geothermal	Utility Scale Facilities	14,020	13,139	6.7%	899	931	13,121	12,209	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-4,417	-5,163	-14.4%	-3,566	-4,294	-851	-869	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	11,000	11,083	-0.7%	406	511	5,597	5,531	1,001	976	3,997	4,065	0	0
All Energy Sources	Utility Scale Facilities	3,459,309	3,438,154	0.6%	1,980,969	2,005,325	1,348,558	1,302,747	10,845	10,553	118,937	119,529	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	10,533	8,212	28.3%	0	0	0	0	4,388	3,785	1,033	815	5,111	3,613
Estimated Total Solar Photovoltaic	All Facilities	30,533	21,294	43.4%	1,334	945	18,166	11,799	4,867	4,107	1,054	830	5,111	3,613
Estimated Total Solar	All Facilities	33,446	23,492	42.4%	1,435	1,055	20,978	13,887	4,867	4,107	1,054	830	5,111	3,613
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	642,030	721,183	-11.0%	474,337	527,698	164,005	189,414	140	171	3,548	3,899	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	26,126	28,129	-7.1%	16,460	17,155	8,643	9,958	371	392	651	624	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	3,551	3,700	-4.0%	2,710	2,877	583	507	2	2	256	315	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	8,462,858	7,237,209	16.9%	3,970,554	3,302,622	3,920,876	3,358,144	61,222	60,461	510,206	515,983	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	14,157	15,055	-6.0%	800	815	1,354	1,541	574	720	11,429	11,979	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,633	2,680	-1.7%	61	62	1,039	999	165	208	1,367	1,410	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,165	1,064	9.6%	6	2	90	71	13	12	1,056	978	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	764,693	720,048	6.2%	6,916	3,831	255,339	242,224	43,728	39,079	458,710	434,914	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	656,187	736,238	-10.9%	475,137	528,513	165,359	190,955	714	891	14,977	15,879	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	28,758	30,809	-6.7%	16,521	17,217	9,682	10,957	537	600	2,018	2,034	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	4,716	4,764	-1.0%	2,716	2,879	673	578	15	14	1,313	1,293	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	9,227,551	7,957,257	16.0%	3,977,470	3,306,453	4,176,215	3,600,368	104,949	99,540	968,917	950,896	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through October									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	Percentage Change
Residential	1,196,442	1,186,922	0.8%	151,884	149,054	1.9%	12.69	12.56	1.0%
Commercial	1,146,913	1,139,843	0.6%	122,368	123,094	-0.6%	10.67	10.80	-1.2%
Industrial	804,696	836,409	-3.8%	56,060	60,013	-6.6%	6.97	7.18	-2.9%
Transportation	6,431	6,494	-1.0%	659	680	-3.1%	10.25	10.47	-2.1%
All Sectors	3,154,482	3,169,668	-0.5%	330,971	332,841	-0.6%	10.49	10.50	-0.1%

YTD = Year to Date

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.

Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.

Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.

Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.

Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.

Sales of electricity to ultimate customers 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 sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

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	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal (1000 tons)	65,867	72,959	41.22	44.84	294	381	651,494	708,136	43.27	45.85
Petroleum Liquids (1000 barrels)	2,154	2,134	56.12	111.46	158	214	20,588	22,577	72.80	127.69
Petroleum Coke (1000 tons)	381	390	W	50.65	10	12	3,986	4,164	54.49	56.47
Natural Gas (1000 Mcf)	802,190	722,544	3.01	4.23	742	761	8,286,598	7,134,561	3.45	5.25

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal (1000 tons)	49,116	53,419	42.32	45.74	209	256	488,321	508,582	43.96	46.69
Petroleum Liquids (1000 barrels)	971	1,148	58.17	117.03	97	131	12,155	12,889	72.48	128.52
Petroleum Coke (1000 tons)	334	326	50.64	46.75	9	7	3,418	3,495	52.37	54.21
Natural Gas (1000 Mcf)	361,599	313,490	3.37	4.69	391	398	3,783,176	3,199,215	3.75	5.40

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal (1000 tons)	16,121	18,416	37.04	40.98	65	92	156,158	188,566	40.17	42.48
Petroleum Liquids (1000 barrels)	1,128	961	53.34	105.43	48	69	7,784	9,381	72.58	126.99
Petroleum Coke (1000 tons)	47	29	W	W	1	2	399	398	68.35	70.04
Natural Gas (1000 Mcf)	386,896	352,206	2.63	3.69	303	306	3,914,567	3,334,147	3.16	5.18

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal (1000 tons)	6	14	W	W	1	2	92	160	64.62	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)	523	575	W	W	3	3	5,114	4,658	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	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal (1000 tons)	624	1,110	W	W	19	31	6,922	10,828	64.39	W
Petroleum Liquids (1000 barrels)	55	25	76.79	98.83	13	14	650	307	81.13	113.40
Petroleum Coke (1000 tons)	0	34	--	W	0	3	169	271	W	W
Natural Gas (1000 Mcf)	53,173	56,273	W	W	45	54	583,741	596,542	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.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

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	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal	1,266,451	1,416,761	2.14	2.31	294	381	12,603,542	13,768,438	2.24	2.36
Petroleum Liquids	13,167	12,851	9.18	18.49	158	214	124,808	136,278	11.99	21.14
Petroleum Coke	10,862	11,011	W	1.79	10	12	113,231	117,993	1.92	1.99
Natural Gas	830,909	745,276	2.91	4.10	742	761	8,569,377	7,340,513	3.34	5.10
Fossil Fuels	2,121,388	2,185,900	W	2.96	930	997	21,410,959	21,363,222	2.70	3.35

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal	951,213	1,047,018	2.18	2.34	209	256	9,505,221	9,993,278	2.26	2.38
Petroleum Liquids	5,918	6,939	9.54	19.33	97	131	74,097	78,085	11.89	21.21
Petroleum Coke	9,567	9,240	1.77	1.65	9	7	97,356	99,420	1.84	1.91
Natural Gas	375,236	323,101	3.25	4.55	391	398	3,910,740	3,285,331	3.63	5.26
Fossil Fuels	1,341,934	1,386,299	2.51	2.93	525	552	13,587,414	13,456,114	2.70	3.18

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal	300,888	345,463	1.98	2.18	65	92	2,939,142	3,537,725	2.13	2.26
Petroleum Liquids	6,918	5,762	8.69	17.58	48	69	46,747	56,301	12.05	21.13
Petroleum Coke	1,295	821	W	W	1	2	11,166	11,194	2.44	2.48
Natural Gas	400,258	363,367	2.55	3.58	303	306	4,049,778	3,434,336	3.06	5.03
Fossil Fuels	709,359	715,414	W	W	353	382	7,046,832	7,039,557	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	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal	130	313	W	W	1	2	2,070	3,603	2.88	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	530	580	W	W	3	3	5,200	4,700	W	W
Fossil Fuels	660	893	W	W	3	3	7,270	8,304	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	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
Coal	14,220	23,967	W	W	19	31	157,110	233,831	2.84	W
Petroleum Liquids	330	150	12.73	16.21	13	14	3,965	1,891	13.29	18.40
Petroleum Coke	0	950	--	W	0	3	4,710	7,379	W	W
Natural Gas	54,884	58,228	W	W	45	54	603,659	616,146	W	W
Fossil Fuels	69,434	83,295	W	W	49	60	769,443	859,247	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-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	550	86,779	-6,558	12,821	4,055,423	N/A	N/A	N/A
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	508	96,018	-6,558	12,974	4,064,702	N/A	N/A	N/A
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	612	104,626	-6,896	12,231	4,156,745	N/A	N/A	N/A
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	864	125,237	-6,288	11,804	4,119,388	N/A	N/A	N/A
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	891	143,388	-4,627	11,928	3,950,331	N/A	N/A	N/A
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	1,212	165,961	-5,501	12,855	4,125,060	N/A	N/A	N/A
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	1,818	192,163	-6,421	14,154	4,100,141	N/A	N/A	N/A
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	4,327	214,006	-4,950	13,787	4,047,765	N/A	N/A	N/A
2013	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	9,036	244,472	-4,681	13,588	4,065,964	N/A	N/A	N/A
2014	1,581,710	18,276	11,955	1,126,609	12,022	797,166	259,367	17,691	261,522	-6,174	13,461	4,093,606	9,536	24,785	27,227
Year 2013															
January	138,105	1,733	1,042	88,559	1,144	71,406	24,829	310	21,208	-465	1,098	348,967	N/A	N/A	N/A
February	123,547	1,130	867	80,283	968	61,483	20,418	433	19,898	-320	1,020	309,728	N/A	N/A	N/A
March	130,634	990	1,007	84,725	1,070	62,947	20,534	619	22,191	-462	1,143	325,399	N/A	N/A	N/A
April	111,835	995	891	78,036	1,020	56,767	25,097	667	23,294	-292	1,024	299,333	N/A	N/A	N/A
May	119,513	1,067	1,345	83,816	1,088	62,848	28,450	753	22,502	-334	1,110	322,156	N/A	N/A	N/A
June	138,283	1,035	1,307	99,615	1,048	66,430	27,384	871	20,084	-358	1,125	356,823	N/A	N/A	N/A
July	152,867	1,458	1,354	120,771	1,148	70,539	27,255	829	17,764	-340	1,201	394,846	N/A	N/A	N/A
August	149,426	1,076	1,372	121,156	1,143	71,344	21,633	944	16,438	-465	1,217	385,286	N/A	N/A	N/A
Sept	133,110	964	1,222	102,063	1,087	65,799	16,961	949	18,043	-439	1,182	340,941	N/A	N/A	N/A
October	120,996	945	1,074	88,587	1,072	63,184	17,199	988	20,070	-373	1,185	314,925	N/A	N/A	N/A
November	120,940	989	850	84,287	1,060	64,975	17,677	824	22,206	-413	1,143	314,540	N/A	N/A	N/A
December	141,860	1,438	1,013	92,936	1,006	71,294	21,128	850	20,776	-421	1,141	353,021	N/A	N/A	N/A
Year 2014															
January	157,097	5,913	1,158	91,061	933	73,163	21,634	751	24,742	-290	1,092	377,255	530	1,227	1,281
February	143,294	1,847	916	75,942	817	62,639	17,396	835	20,166	-445	941	324,348	564	1,316	1,398
March	136,443	2,002	1,186	78,151	866	62,397	24,257	1,317	24,534	-421	1,093	331,823	769	1,904	2,086
April	109,281	911	842	76,782	854	56,385	25,440	1,487	24,989	-378	1,039	297,631	839	2,100	2,326
May	118,786	960	1,084	89,120	944	62,947	26,544	1,750	22,073	-601	1,118	324,724	927	2,384	2,676
June	137,577	889	1,131	98,468	969	68,138	25,744	1,923	22,541	-653	1,117	357,844	934	2,512	2,858
July	149,627	992	1,050	115,081	1,069	71,940	24,357	1,788	19,256	-545	1,163	385,780	975	2,501	2,763
August	148,452	1,014	1,036	122,348	1,135	71,129	19,807	1,879	17,141	-840	1,239	384,341	967	2,585	2,846
Sept	126,110	929	1,019	106,582	1,126	67,535	16,074	1,832	18,061	-542	1,159	339,887	888	2,463	2,721
October	111,296	908	609	97,683	1,082	62,391	17,159	1,717	21,002	-448	1,122	314,522	819	2,303	2,536
November	119,127	963	775	84,354	1,073	65,140	18,625	1,380	25,428	-531	1,161	317,495	673	1,904	2,052
December	124,620	947	1,149	91,038	1,153	73,363	22,329	1,032	21,590	-480	1,218	337,957	651	1,587	1,682
Year 2015															
January	132,509	1,929	1,041	101,817	1,268	74,270	24,598	1,217	22,446	-528	1,066	361,633	643	1,796	1,860
February	127,150	5,205	1,120	91,375	1,063	63,462	22,746	1,632	21,331	-441	919	335,562	705	2,174	2,337
March	108,544	1,079	728	99,139	1,044	64,547	24,869	2,239	21,981	-399	989	324,760	979	2,931	3,218
April	88,646	913	805	92,980	922	59,757	22,559	2,564	24,156	-208	1,064	294,158	1,094	3,284	3,658
May	104,774	1,020	922	101,922	998	65,833	20,187	2,598	23,796	-363	1,128	322,814	1,202	3,452	3,800
June	126,139	1,034	812	121,397	1,096	68,546	20,068	2,713	20,171	-381	1,139	362,735	1,218	3,548	3,932
July	139,601	1,205	1,142	140,900	1,288	71,412	21,066	2,750	20,948	-507	1,217	401,022	1,277	3,644	4,027
August	135,287	1,109	1,071	138,653	1,216	72,415	19,440	2,829	20,207	-623	1,235	392,840	1,260	3,694	4,090
Sept	118,489	1,023	1,037	123,248	1,217	66,466	16,206	2,350	20,356	-526	1,119	350,986	1,137	3,178	3,487
October	97,409	936	847	109,921	842	60,571	16,700	2,021	22,870	-443	1,124	312,797	1,018	2,830	3,039
Year to Date															
2013	1,318,315	11,392	11,481	947,612	10,787	652,747	229,760	7,361	201,490	-3,847	11,303	3,398,403	N/A	N/A	N/A
2014	1,337,963	16,367	10,032	951,218	9,795	658,663	218,413	15,280	214,504	-5,163	11,083	3,438,154	8,212	21,294	23,492
2015	1,178,547	15,454	9,526	1,121,352	10,952	667,280	208,438	22,913	218,263	-4,417	11,000	3,459,309	10,533	30,533	33,446
Rolling 12 Months Ending in October															
2014	1,600,762	18,794	11,895	1,128,441	11,862	794,932	257,218	16,954	257,486	-5,996	13,367	4,105,715	N/A	N/A	N/A
2015	1,422,295	17,364	11,449	1,296,744	13,178	805,783	249,392	25,324	265,281	-5,428	13,379	4,114,760	11,856	34,025	37,181

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 2014 and prior years are final. Values for 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.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2005-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities										Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
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 Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals													
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651	N/A	N/A	N/A
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772	N/A	N/A	N/A
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747	N/A	N/A	N/A
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932	N/A	N/A	N/A
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724	N/A	N/A	N/A
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376	N/A	N/A	N/A
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336	N/A	N/A	N/A
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573	N/A	N/A	N/A
2013	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073	N/A	N/A	N/A
2014	181,655	15,250	2,441	42,340	11,220	7,228	3,202	15,877	259,367	538,579	9,536	24,785	27,227
Year 2013													
January	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347	N/A	N/A	N/A
February	14,076	387	45	3,083	782	507	213	1,236	20,418	40,749	N/A	N/A	N/A
March	15,756	547	72	3,300	917	601	240	1,378	20,534	43,345	N/A	N/A	N/A
April	17,476	573	93	2,863	848	576	256	1,274	25,097	49,058	N/A	N/A	N/A
May	16,239	649	104	3,174	923	620	238	1,308	28,450	51,704	N/A	N/A	N/A
June	13,748	749	122	3,330	890	617	221	1,278	27,384	48,338	N/A	N/A	N/A
July	11,094	743	85	3,536	911	640	246	1,337	27,255	45,847	N/A	N/A	N/A
August	9,634	845	99	3,634	962	628	258	1,322	21,633	39,015	N/A	N/A	N/A
Sept	11,674	874	75	3,353	884	597	235	1,299	16,961	35,952	N/A	N/A	N/A
October	13,635	875	112	3,341	863	606	262	1,363	17,199	38,256	N/A	N/A	N/A
November	15,803	775	49	3,407	888	594	283	1,230	17,677	40,707	N/A	N/A	N/A
December	13,967	804	46	3,606	920	621	296	1,366	21,128	42,754	N/A	N/A	N/A
Year 2014													
January	17,911	697	54	3,626	967	584	299	1,355	21,634	47,127	530	1,227	1,281
February	14,009	752	83	3,265	930	490	267	1,206	17,396	38,397	564	1,316	1,398
March	17,736	1,135	182	3,609	961	599	291	1,338	24,257	50,108	769	1,904	2,086
April	18,636	1,261	226	3,230	957	586	267	1,314	25,440	51,916	839	2,100	2,326
May	15,601	1,457	292	3,290	944	635	270	1,332	26,544	50,366	927	2,384	2,676
June	15,799	1,578	345	3,622	943	613	271	1,293	25,744	50,208	934	2,512	2,858
July	12,187	1,525	262	3,807	1,035	646	261	1,320	24,357	45,402	975	2,501	2,763
August	10,171	1,618	261	3,761	988	647	245	1,329	19,807	38,828	967	2,585	2,846
Sept	11,520	1,574	258	3,462	932	606	234	1,308	16,074	35,968	888	2,463	2,721
October	14,508	1,484	233	3,422	854	603	269	1,345	17,159	39,878	819	2,303	2,536
November	18,867	1,232	148	3,508	820	612	258	1,362	18,625	45,432	673	1,904	2,052
December	14,711	936	95	3,737	890	609	268	1,375	22,329	44,950	651	1,587	1,682
Year 2015													
January	15,263	1,153	64	3,800	986	617	299	1,480	24,598	48,261	643	1,796	1,860
February	14,957	1,470	162	3,421	823	519	261	1,350	22,746	45,709	705	2,174	2,337
March	15,332	1,952	287	3,454	897	558	278	1,461	24,869	49,089	979	2,931	3,218
April	17,829	2,190	374	3,244	913	593	233	1,343	22,559	49,279	1,094	3,284	3,658
May	17,167	2,251	347	3,360	939	626	244	1,461	20,187	46,581	1,202	3,452	3,800
June	13,432	2,330	383	3,546	942	626	240	1,385	20,068	42,952	1,218	3,548	3,932
July	13,647	2,367	383	3,922	992	680	267	1,441	21,066	44,764	1,277	3,644	4,027
August	13,032	2,434	395	3,842	977	667	261	1,429	19,440	42,476	1,260	3,694	4,090
Sept	13,859	2,042	309	3,473	880	612	239	1,293	16,206	38,912	1,137	3,178	3,487
October	16,391	1,813	208	3,287	918	621	277	1,376	16,700	41,591	1,018	2,830	3,039
Year to Date													
2013	138,069	6,541	820	33,014	8,850	5,970	2,407	13,179	229,760	438,612	N/A	N/A	N/A
2014	148,077	13,081	2,198	35,095	9,510	6,007	2,675	13,139	218,413	448,197	8,212	21,294	23,492
2015	150,908	20,001	2,913	35,349	9,267	6,119	2,600	14,020	208,438	449,614	10,533	30,533	33,446
Rolling 12-Month Ending in October													
2014	177,847	14,661	2,293	42,108	11,318	7,223	3,254	15,736	257,218	531,658	N/A	N/A	N/A
2015	184,486	22,169	3,156	42,594	10,977	7,340	3,127	16,757	249,392	539,997	11,856	34,025	37,181

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 2014 and prior years are final. Values for 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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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.A. Net Generation by Energy Source: Electric Utilities, 2005-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	16	4,930	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	15	6,573	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	11	8,943	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	17	11,291	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	28	14,589	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	101	17,826	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	216	21,717	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	639	27,378	-4,202	603	2,339,172
2013	1,188,452	9,446	9,522	501,427	798	406,114	243,040	943	31,474	-3,773	615	2,388,058
2014	1,173,073	10,696	9,147	501,414	112	419,871	238,185	1,218	33,278	-5,144	622	2,382,473
Year 2013												
January	103,536	1,018	700	39,880	71	36,748	22,563	31	2,935	-404	45	207,123
February	91,384	723	616	36,248	63	31,144	18,316	43	2,661	-270	47	180,975
March	97,675	755	687	37,661	59	31,426	18,349	65	2,781	-382	54	189,129
April	84,352	744	574	33,545	38	28,991	22,654	67	2,986	-232	42	173,761
May	90,053	785	1,035	36,891	61	32,977	25,924	81	2,755	-260	52	190,354
June	104,679	751	966	45,152	68	34,504	24,686	94	2,352	-261	43	213,033
July	114,402	950	976	52,966	66	36,733	24,705	89	2,156	-238	62	232,867
August	113,917	794	952	55,077	76	37,177	19,864	101	1,956	-417	60	229,557
Sept	99,056	664	905	45,845	75	34,459	15,422	98	2,493	-347	49	198,719
October	91,694	699	759	39,850	61	31,605	15,619	105	2,577	-307	51	182,713
November	92,146	731	609	36,703	78	32,939	15,975	81	3,004	-331	56	181,991
December	105,558	832	743	41,610	81	37,412	18,964	88	2,819	-326	55	207,837
Year 2014												
January	115,862	2,445	949	41,208	13	38,847	19,673	53	3,286	-218	47	222,165
February	104,638	1,051	706	33,600	7	32,937	15,973	61	2,698	-361	34	191,345
March	97,957	1,037	953	35,116	9	32,612	22,423	91	3,296	-355	57	193,194
April	77,724	711	572	34,890	20	30,312	22,977	98	3,274	-301	52	170,329
May	89,103	709	833	41,226	12	33,760	23,933	114	2,632	-506	49	191,866
June	104,523	650	894	44,315	5	35,898	23,790	127	2,613	-557	53	212,311
July	112,875	711	792	50,296	7	38,031	22,624	131	2,261	-445	62	227,343
August	112,568	711	778	54,553	6	37,182	18,251	130	1,894	-740	60	225,392
Sept	94,482	711	750	46,260	5	35,296	14,895	126	2,277	-461	50	194,390
October	82,991	652	457	42,360	4	32,017	15,863	124	2,826	-351	48	176,990
November	87,064	643	577	37,477	9	34,552	17,369	91	3,473	-441	55	180,869
December	93,287	666	887	40,114	15	38,428	20,415	72	2,749	-409	56	196,279
Year 2015												
January	96,617	1,161	813	45,824	26	39,377	22,779	77	3,155	-436	31	209,423
February	92,639	2,061	879	43,191	23	33,478	21,378	101	2,906	-372	33	196,317
March	80,526	702	502	45,655	21	33,328	22,844	144	3,140	-306	21	186,577
April	67,607	699	565	42,878	20	31,053	20,181	163	3,180	-146	36	166,236
May	80,806	712	691	46,368	19	35,089	18,571	168	3,058	-285	40	185,238
June	95,336	777	604	56,905	17	35,150	18,196	172	2,326	-283	35	209,236
July	105,868	864	898	64,478	NM	37,055	18,935	172	2,551	-406	56	230,485
August	101,777	818	827	62,948	21	38,482	17,952	175	2,585	-510	56	225,131
Sept	87,820	703	797	56,380	21	35,034	15,065	140	2,723	-459	49	198,272
October	72,989	686	610	49,587	12	31,886	15,298	123	3,178	-364	49	174,054
Year to Date												
2013	990,748	7,882	8,170	423,113	639	335,763	208,101	774	25,651	-3,116	505	1,998,231
2014	992,722	9,386	7,683	423,823	88	346,892	200,402	1,055	27,057	-4,294	511	2,005,325
2015	881,986	9,183	7,184	514,214	195	349,932	191,198	1,435	28,802	-3,566	406	1,980,969
Rolling 12 Months Ending in October												
2014	1,190,426	10,950	9,035	502,137	247	417,243	235,341	1,224	32,880	-4,951	622	2,395,153
2015	1,062,337	10,492	8,649	591,805	NM	422,911	228,981	1,598	35,024	-4,416	517	2,358,117

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 2014 and prior years are final. Values for 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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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;
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Table 1.2.B Net Generation by Energy Source: Independent Power Producers, 2005-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	535	51,173	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	493	58,853	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	601	65,150	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	847	84,928	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	863	100,997	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	1,105	119,851	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	1,511	140,442	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	3,525	156,539	-748	7,030	1,551,186
2013	379,270	3,761	1,780	527,522	3,524	382,902	22,018	7,782	181,263	-908	6,742	1,515,657
2014	395,701	6,789	1,410	531,758	3,246	377,295	19,861	16,086	196,723	-1,030	6,690	1,554,530
Year 2013												
January	33,416	635	149	40,509	313	34,658	1,938	269	15,567	-61	545	127,938
February	31,100	346	132	36,722	261	30,340	1,736	374	14,766	-50	497	116,224
March	31,794	187	151	39,104	259	31,522	1,878	531	16,778	-80	574	122,699
April	26,434	206	144	37,081	284	27,776	2,189	573	17,890	-60	528	113,045
May	28,327	228	101	39,353	306	29,871	2,194	643	17,152	-74	574	118,674
June	32,481	241	141	46,520	280	31,926	2,365	745	15,065	-97	586	130,253
July	37,252	460	167	58,993	315	33,807	2,224	710	12,812	-103	605	147,241
August	34,371	239	211	57,526	300	34,167	1,525	813	11,692	-47	587	141,386
Sept	32,990	262	141	48,349	298	31,340	1,297	819	12,955	-92	561	128,919
October	28,248	202	149	41,022	343	31,578	1,339	849	14,846	-66	558	119,069
November	27,712	212	144	39,663	289	32,037	1,494	718	16,558	-82	554	119,297
December	35,144	544	151	42,679	274	33,881	1,839	738	15,181	-95	574	130,911
Year 2014												
January	40,054	3,281	109	41,761	253	34,316	1,837	681	18,727	-72	533	141,480
February	37,580	698	123	35,129	204	29,702	1,316	753	15,039	-84	472	120,930
March	37,333	880	129	35,402	206	29,785	1,715	1,196	18,569	-66	571	125,720
April	30,554	160	141	34,693	211	26,072	2,332	1,355	19,166	-77	516	115,124
May	28,635	203	125	40,419	271	29,187	2,477	1,596	16,817	-95	569	120,205
June	31,947	193	108	46,588	252	32,240	1,850	1,755	17,275	-96	565	132,678
July	35,597	236	128	56,400	276	33,909	1,641	1,618	14,183	-100	584	144,474
August	34,761	261	123	59,357	309	33,946	1,458	1,709	12,495	-101	594	144,913
Sept	30,580	171	145	52,430	293	32,238	1,091	1,670	13,267	-81	562	132,366
October	27,332	209	51	47,693	331	30,374	1,200	1,556	15,642	-97	566	124,857
November	31,053	268	88	39,234	292	30,589	1,155	1,260	19,441	-90	578	123,869
December	30,274	228	139	42,652	349	34,935	1,787	939	16,102	-71	580	127,913
Year 2015												
January	34,848	683	129	47,672	376	34,893	1,686	1,116	16,475	-92	580	138,366
February	33,498	2,986	132	41,046	313	29,984	1,251	1,498	15,950	-69	489	127,078
March	26,960	307	141	46,179	299	31,218	1,879	2,046	16,263	-92	520	125,722
April	20,208	170	140	43,198	242	28,705	2,238	2,345	18,448	-62	540	116,171
May	23,020	252	145	48,032	292	30,743	1,500	2,373	18,217	-78	570	125,066
June	29,743	204	139	56,627	285	33,396	1,769	2,479	15,256	-98	578	140,376
July	32,608	292	140	68,035	317	34,357	2,013	2,518	15,589	-101	604	156,372
August	32,367	242	143	67,303	330	33,933	1,405	2,592	14,928	-113	609	153,740
Sept	29,622	275	140	58,916	325	31,432	1,078	2,158	15,052	-67	547	139,478
October	23,430	209	150	52,755	195	28,685	1,303	1,854	17,127	-79	561	126,189
Year to Date												
2013	316,414	3,006	1,486	445,180	2,962	316,984	18,686	6,326	149,524	-731	5,614	1,265,449
2014	334,374	6,293	1,183	449,872	2,605	311,771	16,919	13,887	161,181	-869	5,531	1,302,747
2015	286,304	5,620	1,400	529,763	2,973	317,348	16,123	20,978	163,304	-851	5,597	1,348,558
Rolling 12 Months Ending in October												
2014	397,230	7,049	1,478	532,214	3,168	377,689	20,251	15,343	192,920	-1,046	6,658	1,552,955
2015	347,631	6,116	1,627	611,648	3,614	382,872	19,065	23,177	198,846	-1,012	6,756	1,600,341

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 2014 and prior years are final. Values for 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.C. Net Generation by Energy Source: Commercial Sector, 2005-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	1,353	368	7	4,249	0	0	86	0	1,673	0	756	8,492	N/A	N/A	N/A
2006	1,310	228	7	4,355	0	0	93	0	1,619	0	758	8,371	N/A	N/A	N/A
2007	1,371	180	9	4,257	0	0	77	0	1,614	0	764	8,273	N/A	N/A	N/A
2008	1,261	136	6	4,188	0	0	60	0	1,555	0	720	7,926	N/A	N/A	N/A
2009	1,096	157	5	4,225	0	0	71	0	1,769	0	842	8,165	N/A	N/A	N/A
2010	1,111	117	7	4,725	3	0	80	5	1,709	0	834	8,592	N/A	N/A	N/A
2011	1,049	86	3	5,487	3	0	26	84	2,392	0	950	10,080	N/A	N/A	N/A
2012	883	191	6	6,603	0	0	28	148	2,397	0	1,046	11,301	N/A	N/A	N/A
2013	839	118	5	7,154	0	0	44	294	2,662	0	1,118	12,234	N/A	N/A	N/A
2014	595	247	9	7,227	0	0	38	371	2,862	0	1,171	12,520	4,349	4,720	4,720
Year 2013															
January	89	19	1	562	0	0	4	9	212	0	85	981	N/A	N/A	N/A
February	81	14	1	512	0	0	4	15	187	0	74	888	N/A	N/A	N/A
March	78	7	1	574	0	0	4	22	220	0	90	995	N/A	N/A	N/A
April	63	7	0	541	0	0	4	25	210	0	95	946	N/A	N/A	N/A
May	69	8	0	546	0	0	5	27	229	0	97	981	N/A	N/A	N/A
June	75	7	0	593	0	0	5	30	223	0	93	1,026	N/A	N/A	N/A
July	76	13	0	779	0	0	5	28	235	0	100	1,236	N/A	N/A	N/A
August	71	7	1	697	0	0	4	29	238	0	101	1,147	N/A	N/A	N/A
Sept	60	6	1	652	0	0	3	30	222	0	99	1,073	N/A	N/A	N/A
October	49	7	1	550	0	0	2	32	226	0	96	961	N/A	N/A	N/A
November	60	8	0	525	0	0	2	24	223	0	92	936	N/A	N/A	N/A
December	68	16	1	623	0	0	3	23	236	0	95	1,064	N/A	N/A	N/A
Year 2014															
January	76	102	1	651	0	0	4	16	264	0	104	1,218	253	269	269
February	79	37	1	533	0	0	3	20	216	0	71	961	271	292	292
March	66	30	1	529	0	0	4	29	230	0	84	972	364	394	394
April	47	9	1	509	0	0	4	33	229	0	96	927	394	427	427
May	39	8	0	557	0	0	4	38	238	0	102	986	433	471	471
June	42	8	0	605	0	0	3	39	245	0	99	1,041	431	470	470
July	50	9	0	701	0	0	3	38	263	0	109	1,173	447	485	485
August	42	7	1	722	0	0	3	39	256	0	110	1,181	440	479	479
Sept	36	8	1	657	0	0	3	35	243	0	104	1,086	396	432	432
October	31	9	1	601	0	0	2	36	230	0	97	1,008	355	390	390
November	44	9	1	560	0	0	2	28	218	0	98	960	287	314	314
December	45	10	1	602	0	0	2	20	230	0	97	1,007	278	298	298
Year 2015															
January	53	26	1	619	0	0	NM	23	244	0	92	1,062	286	310	310
February	59	79	1	533	0	0	NM	32	215	0	83	1,005	312	344	344
March	51	12	1	616	0	0	NM	46	243	0	95	1,067	420	466	466
April	33	8	1	539	0	0	NM	54	227	0	101	967	463	516	516
May	35	11	0	655	0	0	NM	55	236	0	104	1,099	505	560	560
June	42	NM	0	652	0	0	NM	60	229	0	103	1,100	505	565	565
July	44	13	0	719	0	0	NM	58	248	0	109	1,195	528	586	586
August	35	12	1	732	0	0	NM	60	231	0	109	1,183	510	569	569
Sept	32	9	1	675	0	0	NM	50	233	0	110	1,112	457	507	507
October	34	7	1	638	0	0	NM	42	236	0	94	1,056	402	444	444
Year to Date															
2013	710	94	4	6,006	0	0	39	246	2,202	0	931	10,234	N/A	N/A	N/A
2014	507	227	7	6,065	0	0	34	323	2,414	0	976	10,553	3,785	4,107	4,107
2015	418	187	7	6,378	0	0	NM	479	2,343	0	1,001	10,845	4,388	4,867	4,867
Rolling 12 Months Ending in October															
2014	635	251	8	7,213	0	0	39	370	2,874	0	1,162	12,552	N/A	N/A	N/A
2015	506	NM	9	7,540	0	0	NM	527	2,790	0	1,196	12,812	4,953	5,480	5,480

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 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.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2005-October 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	0	29,003	0	5,137	144,739	N/A	N/A	N/A
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	0	28,972	0	5,103	148,254	N/A	N/A	N/A
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	0	28,919	0	4,690	143,128	N/A	N/A	N/A
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	0	27,462	0	4,125	137,113	N/A	N/A	N/A
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	0	26,033	0	4,457	132,329	N/A	N/A	N/A
2010	18,441	844	1,414	81,583	8,343	0	1,668	2	26,574	0	5,214	144,082	N/A	N/A	N/A
2011	14,490	657	1,234	81,911	8,624	0	1,799	7	27,612	0	5,541	141,875	N/A	N/A	N/A
2012	12,603	563	2,359	86,500	8,913	0	2,353	14	27,693	0	5,108	146,107	N/A	N/A	N/A
2013	12,554	495	2,036	88,733	8,531	0	3,463	17	29,074	0	5,113	150,015	N/A	N/A	N/A
2014	12,341	544	1,389	86,209	8,664	0	1,282	16	28,659	0	4,978	144,083	943	960	960
Year 2013															
January	1,064	61	192	7,608	759	0	324	1	2,493	0	423	12,924	N/A	N/A	N/A
February	983	47	118	6,801	644	0	363	1	2,284	0	402	11,642	N/A	N/A	N/A
March	1,086	42	169	7,387	752	0	302	1	2,411	0	425	12,576	N/A	N/A	N/A
April	986	37	173	6,869	698	0	250	2	2,208	0	358	11,580	N/A	N/A	N/A
May	1,063	46	209	7,025	721	0	328	2	2,366	0	387	12,147	N/A	N/A	N/A
June	1,048	36	201	7,351	699	0	328	2	2,444	0	402	12,511	N/A	N/A	N/A
July	1,138	36	211	8,033	767	0	320	2	2,561	0	434	13,502	N/A	N/A	N/A
August	1,066	36	208	7,856	767	0	240	2	2,551	0	468	13,195	N/A	N/A	N/A
Sept	1,004	33	175	7,218	714	0	239	2	2,373	0	473	12,230	N/A	N/A	N/A
October	1,005	37	166	7,165	667	0	239	2	2,421	0	481	12,182	N/A	N/A	N/A
November	1,022	37	98	7,395	694	0	206	1	2,421	0	442	12,317	N/A	N/A	N/A
December	1,089	47	118	8,025	650	0	322	1	2,540	0	417	13,210	N/A	N/A	N/A
Year 2014															
January	1,105	85	100	7,441	667	0	120	1	2,466	0	408	12,391	51	52	52
February	998	61	86	6,680	606	0	104	1	2,212	0	363	11,112	54	55	55
March	1,087	56	103	7,105	651	0	114	1	2,439	0	382	11,937	77	78	78
April	955	32	128	6,690	624	0	127	2	2,319	0	375	11,251	84	85	85
May	1,009	40	126	6,918	662	0	130	2	2,385	0	397	11,667	92	94	94
June	1,065	37	130	6,960	711	0	100	2	2,409	0	400	11,814	93	95	95
July	1,105	37	129	7,685	786	0	89	2	2,549	0	408	12,790	97	99	99
August	1,081	35	134	7,716	820	0	96	2	2,496	0	476	12,856	96	98	98
Sept	1,013	39	123	7,234	828	0	86	2	2,275	0	444	12,044	88	89	89
October	942	39	101	7,028	748	0	93	1	2,303	0	411	11,667	83	84	84
November	966	42	108	7,083	772	0	99	1	2,297	0	429	11,797	67	68	68
December	1,015	42	121	7,670	790	0	125	1	2,510	0	484	12,757	61	62	62
Year 2015															
January	991	59	98	7,701	867	0	130	NM	2,572	0	363	12,781	66	NM	NM
February	954	79	107	6,606	726	0	113	NM	2,260	0	314	11,162	70	NM	NM
March	1,007	59	84	6,689	724	0	142	2	2,335	0	353	11,394	99	101	101
April	797	36	99	6,365	660	0	136	3	2,302	0	387	10,785	107	110	110
May	912	45	86	6,867	687	0	114	NM	2,285	0	415	11,412	119	NM	NM
June	1,018	43	70	7,213	794	0	99	NM	2,359	0	424	12,023	118	NM	NM
July	1,082	36	104	7,668	956	0	113	NM	2,560	0	448	12,970	123	NM	NM
August	1,108	37	100	7,670	865	0	79	3	2,463	0	461	12,787	120	123	123
Sept	1,015	37	99	7,278	870	0	61	2	2,349	0	413	12,123	110	112	112
October	955	34	86	6,941	634	0	97	NM	2,329	0	420	11,498	101	NM	NM
Year to Date															
2013	10,443	410	1,821	73,313	7,186	0	2,934	15	24,113	0	4,254	124,489	N/A	N/A	N/A
2014	10,360	460	1,160	71,457	7,102	0	1,058	14	23,852	0	4,065	119,529	815	830	830
2015	9,839	465	934	70,997	7,783	0	1,085	21	23,814	0	3,997	118,937	1,033	1,054	1,054
Rolling 12 Months Ending in October															
2014	12,471	545	1,375	86,876	8,447	0	1,587	17	28,813	0	4,924	145,055	N/A	N/A	N/A
2015	11,820	549	1,164	85,750	9,345	0	1,309	NM	28,621	0	4,910	143,491	1,161	NM	NM

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 2014 and prior years are final. Values for 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.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2005-October 2015
(Thousand Megawatthours)

	Distributed Generation
Period	**Estimated Distributed Solar Photovoltaic Generation**
Annual Totals	
2014	4,243
Year 2014	
January	226
February	238
March	328
April	361
May	402
June	410
July	431
August	431
Sept	404
October	382
November	319
December	311
Year 2015	
January	291
February	322
March	461
April	524
May	578
June	595
July	625
August	631
Sept	570
October	514
Year to Date	
2014	3,613
2015	5,111
Rolling 12 Months Ending in October	
2014	N/A
2015	5,742

See Glossary for definitions. Values for 2014 and prior years are final. Values for 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:
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.3.A. Utility Scale Facility Net Generation
by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	7,849	8,433	-6.9%	197	180	7,317	7,904	102	104	232	245
Connecticut	2,642	2,121	24.5%	NM	4	2,568	2,056	33	31	37	32
Maine	1,076	844	27.5%	NM	0	880	628	18	18	179	198
Massachusetts	2,696	2,639	2.2%	41	52	2,599	2,530	42	45	NM	12
New Hampshire	757	1,684	-55.0%	71	50	680	1,626	NM	5	NM	3
Rhode Island	505	574	-11.9%	1	0	500	569	NM	NM	0	0
Vermont	172	570	-69.8%	81	75	91	495	NM	0	0	0
Middle Atlantic	33,717	33,983	-0.8%	2,815	2,493	30,363	30,958	184	158	355	375
New Jersey	6,354	5,546	14.6%	9	-8	6,248	5,450	52	50	45	54
New York	11,647	11,039	5.5%	2,799	2,497	8,675	8,385	103	86	71	70
Pennsylvania	15,716	17,399	-9.7%	NM	4	15,440	17,122	29	22	239	251
East North Central	46,411	46,070	0.7%	20,645	21,138	24,809	23,994	183	157	775	782
Illinois	15,650	15,825	-1.1%	547	821	14,840	14,774	44	44	218	186
Indiana	7,961	8,580	-7.2%	6,445	7,345	1,271	953	20	13	226	269
Michigan	8,741	8,306	5.2%	6,510	6,294	2,016	1,808	93	84	123	120
Ohio	9,244	8,967	3.1%	3,133	3,098	6,036	5,800	NM	3	66	65
Wisconsin	4,815	4,393	9.6%	4,010	3,579	646	660	NM	13	142	141
West North Central	26,083	25,831	1.0%	21,913	21,992	3,766	3,466	55	51	350	321
Iowa	4,350	4,459	-2.5%	3,023	3,565	1,131	706	NM	17	179	172
Kansas	3,644	3,866	-5.7%	2,816	3,108	820	757	0	0	NM	1
Minnesota	4,592	4,422	3.8%	3,624	3,425	831	860	NM	17	117	119
Missouri	6,340	5,847	8.4%	6,198	5,512	124	314	17	16	NM	4
Nebraska	3,283	2,906	13.0%	3,002	2,631	248	260	NM	1	32	15
North Dakota	2,985	3,179	-6.1%	2,544	2,750	428	418	NM	0	NM	11
South Dakota	889	1,151	-22.7%	706	1,000	184	151	NM	0	0	0
South Atlantic	56,519	58,418	-3.3%	47,033	48,361	7,945	8,472	108	104	1,433	1,481
Delaware	468	526	-10.9%	NM	3	409	456	NM	1	54	65
District of Columbia	NM	6	NM	0	0	0	0	NM	6	0	0
Florida	19,255	19,145	0.6%	17,570	17,570	1,238	1,103	NM	6	442	465
Georgia	8,784	9,013	-2.5%	6,984	7,200	1,394	1,428	2	2	403	383
Maryland	2,644	2,679	-1.3%	2	1	2,592	2,618	36	35	14	26
North Carolina	9,050	8,612	5.1%	8,317	7,866	578	599	18	13	137	134
South Carolina	7,226	7,677	-5.9%	6,992	7,367	126	181	NM	0	107	130
Virginia	5,253	5,174	1.5%	4,323	4,343	693	596	39	42	197	193
West Virginia	3,833	5,587	-31.4%	2,840	4,010	915	1,492	0	0	78	85
East South Central	27,878	27,971	-0.3%	23,396	24,271	3,755	3,023	NM	10	715	666
Alabama	12,309	10,952	12.4%	8,687	7,858	3,281	2,805	0	0	341	289
Kentucky	6,107	6,453	-5.4%	5,972	6,416	99	2	0	0	36	35
Mississippi	4,497	4,617	-2.6%	3,979	4,255	356	200	NM	2	161	160
Tennessee	4,964	5,949	-16.6%	4,758	5,742	19	16	NM	9	177	182
West South Central	52,680	52,400	0.5%	17,846	18,788	28,856	27,588	82	72	5,895	5,952
Arkansas	3,131	4,856	-35.5%	2,388	3,740	592	965	NM	1	150	151
Louisiana	8,844	7,948	11.3%	5,402	4,672	841	703	NM	16	2,586	2,556
Oklahoma	5,531	5,024	10.1%	3,541	3,351	1,915	1,603	NM	0	74	71
Texas	35,173	34,572	1.7%	6,514	7,024	25,508	24,317	66	56	3,085	3,174
Mountain	30,135	29,780	1.2%	23,659	23,361	6,113	6,104	42	41	322	274
Arizona	9,529	9,287	2.6%	7,934	7,817	1,581	1,455	NM	15	0	0
Colorado	3,947	4,162	-5.2%	3,061	3,243	878	913	NM	1	NM	6
Idaho	1,047	884	18.4%	556	400	445	442	0	1	46	42
Montana	2,371	2,466	-3.9%	630	682	1,739	1,782	0	0	NM	2
Nevada	3,278	3,121	5.0%	2,604	2,427	628	661	NM	10	34	23
New Mexico	2,659	2,326	14.3%	2,163	1,852	477	452	NM	7	NM	14
Utah	3,338	3,491	-4.4%	3,093	3,272	144	132	NM	7	94	79
Wyoming	3,968	4,042	-1.8%	3,617	3,668	220	267	0	0	131	107
Pacific Contiguous	30,189	30,228	-0.1%	15,659	15,475	12,902	12,967	247	264	1,380	1,521
California	17,373	17,837	-2.6%	5,543	5,578	10,391	10,667	235	251	1,204	1,341
Oregon	4,518	4,428	2.0%	3,166	3,131	1,294	1,226	NM	10	50	60
Washington	8,298	7,962	4.2%	6,951	6,766	1,218	1,073	NM	3	126	120
Pacific Noncontiguous	1,334	1,408	-5.3%	890	931	362	381	40	46	42	50
Alaska	471	486	-3.2%	424	438	22	22	14	16	NM	10
Hawaii	863	922	-6.3%	466	492	340	359	26	30	31	40
U.S. Total	312,797	314,522	-0.5%	174,054	176,990	126,189	124,857	1,056	1,008	11,498	11,667

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

Table 1.3.B. Utility Scale Facility Net Generation

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	94,124	93,867	0.3%	2,979	3,117	87,276	86,258	1,186	1,169	2,683	3,324
Connecticut	31,353	27,945	12.2%	NM	48	30,560	27,148	362	362	394	387
Maine	10,027	11,139	-10.0%	NM	1	7,719	8,187	190	174	2,117	2,778
Massachusetts	27,858	27,128	2.7%	631	615	26,570	25,869	513	511	145	133
New Hampshire	17,213	16,167	6.5%	1,558	1,724	15,568	14,356	60	60	NM	26
Rhode Island	5,980	5,503	8.7%	11	10	5,910	5,434	59	58	0	0
Vermont	1,693	5,985	-71.7%	742	719	949	5,263	NM	3	0	0
Middle Atlantic	363,198	355,631	2.1%	29,395	28,256	328,062	321,657	1,990	1,828	3,751	3,890
New Jersey	63,129	56,476	11.8%	15	-82	62,036	55,484	573	503	505	571
New York	117,646	114,357	2.9%	29,300	28,260	86,517	84,331	1,069	979	759	787
Pennsylvania	182,423	184,798	-1.3%	80	78	179,509	181,842	348	345	2,487	2,532
East North Central	510,040	517,056	-1.4%	231,970	241,122	267,760	265,988	1,835	1,689	8,475	8,256
Illinois	163,198	166,531	-2.0%	8,204	8,679	152,255	155,087	460	442	2,279	2,323
Indiana	88,661	97,333	-8.9%	75,746	85,701	9,999	8,947	206	180	2,711	2,506
Michigan	95,888	89,332	7.3%	71,386	70,677	22,352	16,740	916	818	1,235	1,096
Ohio	106,092	112,825	-6.0%	32,263	36,350	73,017	75,653	94	98	718	725
Wisconsin	56,200	51,034	10.1%	44,372	39,715	10,137	9,561	160	152	1,531	1,606
West North Central	278,567	281,244	-1.0%	239,143	242,944	35,323	34,416	541	535	3,560	3,349
Iowa	48,491	46,774	3.7%	36,363	35,046	10,144	9,796	187	186	1,797	1,746
Kansas	38,852	41,622	-6.7%	30,771	33,316	7,993	8,271	0	0	88	35
Minnesota	47,822	46,742	2.3%	38,462	37,776	7,974	7,641	193	184	1,193	1,141
Missouri	71,374	74,197	-3.8%	69,155	72,067	2,044	1,938	148	150	27	42
Nebraska	32,945	32,731	0.7%	30,249	30,539	2,368	1,892	13	15	315	284
North Dakota	30,939	30,094	2.8%	27,496	26,460	3,300	3,534	NM	0	142	99
South Dakota	8,145	9,083	-10.3%	6,646	7,739	1,499	1,344	NM	0	0	0
South Atlantic	673,971	662,716	1.7%	562,883	557,098	94,748	89,487	1,144	1,094	15,196	15,037
Delaware	6,872	6,420	7.0%	NM	42	5,806	5,669	6	5	1,008	703
District of Columbia	58	58	1.3%	0	0	0	0	58	58	0	0
Florida	201,065	196,193	2.5%	185,392	180,555	11,221	11,299	53	57	4,400	4,282
Georgia	109,777	106,518	3.1%	90,815	92,719	14,996	9,908	28	26	3,938	3,865
Maryland	31,573	32,410	-2.6%	21	19	30,917	31,731	403	365	232	295
North Carolina	110,021	107,539	2.3%	101,673	100,204	6,824	5,611	202	180	1,322	1,544
South Carolina	82,169	81,632	0.7%	79,028	78,574	1,701	1,436	NM	5	1,432	1,617
Virginia	71,234	64,573	10.3%	57,436	52,204	11,486	10,149	386	399	1,927	1,821
West Virginia	61,200	67,374	-9.2%	48,466	52,781	11,797	13,684	0	0	938	909
East South Central	319,863	313,799	1.9%	269,866	274,519	42,395	32,052	127	130	7,475	7,098
Alabama	128,829	124,510	3.5%	91,244	94,573	33,977	26,731	0	0	3,608	3,205
Kentucky	70,907	75,553	-6.1%	69,756	74,899	656	155	0	0	495	500
Mississippi	54,933	46,426	18.3%	45,806	39,843	7,563	5,028	NM	18	1,547	1,537
Tennessee	65,194	67,311	-3.1%	63,060	65,204	199	138	110	113	1,825	1,856
West South Central	586,082	570,456	2.7%	209,057	214,138	315,245	294,830	825	778	60,955	60,709
Arkansas	48,695	52,370	-7.0%	34,429	40,926	12,756	9,990	NM	6	1,503	1,448
Louisiana	90,702	87,577	3.6%	56,176	49,263	9,371	12,349	156	161	24,998	25,805
Oklahoma	63,630	59,538	6.9%	41,283	40,840	21,610	18,000	NM	0	729	698
Texas	383,055	370,971	3.3%	77,169	83,109	271,507	254,492	654	612	33,725	32,758
Mountain	312,600	313,806	-0.4%	249,579	252,381	59,816	58,175	409	410	2,795	2,840
Arizona	96,378	95,815	0.6%	79,886	80,446	16,371	15,231	121	138	0	0
Colorado	43,404	45,057	-3.7%	34,911	36,539	8,406	8,436	32	23	55	60
Idaho	12,779	13,252	-3.6%	8,383	8,550	3,986	4,230	0	4	410	468
Montana	24,521	24,718	-0.8%	9,095	10,305	15,411	14,395	0	0	15	18
Nevada	32,584	30,564	6.6%	25,695	23,709	6,565	6,572	113	80	210	202
New Mexico	27,040	27,010	0.1%	21,625	21,806	5,294	5,079	82	96	39	30
Utah	35,258	36,221	-2.7%	32,748	33,575	1,613	1,625	62	70	836	951
Wyoming	40,636	41,168	-1.3%	37,236	37,450	2,170	2,606	0	0	1,230	1,111
Pacific Contiguous	307,614	316,095	-2.7%	177,053	182,601	114,615	116,476	2,339	2,459	13,606	14,559
California	168,350	169,277	-0.5%	61,156	60,252	93,089	93,889	2,220	2,356	11,885	12,780
Oregon	48,054	49,443	-2.8%	34,700	36,618	12,737	12,172	89	78	528	576
Washington	91,210	97,374	-6.3%	81,197	85,731	8,789	10,415	29	25	1,194	1,203
Pacific Noncontiguous	13,251	13,485	-1.7%	9,045	9,149	3,319	3,407	448	460	440	469
Alaska	5,008	4,943	1.3%	4,564	4,503	203	203	134	141	108	97
Hawaii	8,243	8,542	-3.5%	4,481	4,647	3,116	3,205	314	319	332	372
U.S. Total	3,459,309	3,438,154	0.6%	1,980,969	2,005,325	1,348,558	1,302,747	10,845	10,553	118,937	119,529

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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 1.4.A. Utility Scale Facility Net Generation from Coal by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	169	5	NM	18	3	149	0	0	0	NM	1
Connecticut	7	-2	-473.8%	0	0	7	-2	0	0	0	0
Maine	7	3	147.1%	0	0	7	2	0	0	1	1
Massachusetts	138	0	NM	0	0	135	0	0	0	NM	0
New Hampshire	18	3	425.8%	18	3	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,838	4,900	-21.7%	0	0	3,777	4,836	0	1	61	63
New Jersey	88	99	-11.3%	0	0	88	99	0	0	0	0
New York	115	153	-25.0%	0	0	92	124	0	0	23	29
Pennsylvania	3,635	4,647	-21.8%	0	0	3,597	4,613	0	1	38	33
East North Central	23,878	26,293	-9.2%	15,544	16,432	8,095	9,647	7	3	231	211
Illinois	5,502	6,593	-16.6%	516	801	4,844	5,656	NM	3	141	134
Indiana	6,024	7,158	-15.8%	5,507	6,627	515	529	NM	0	NM	1
Michigan	4,160	3,985	4.4%	4,117	3,942	31	30	5	0	8	13
Ohio	5,306	6,150	-13.7%	2,586	2,701	2,706	3,433	0	NM	15	15
Wisconsin	2,885	2,408	19.8%	2,819	2,360	0	0	NM	0	67	48
West North Central	15,041	16,280	-7.6%	14,764	16,027	NM	2	13	15	261	236
Iowa	1,993	2,664	-25.2%	1,828	2,509	0	0	7	9	159	147
Kansas	1,783	2,060	-13.4%	1,783	2,060	0	0	0	0	0	0
Minnesota	1,895	2,144	-11.6%	1,832	2,079	0	0	0	0	63	65
Missouri	5,090	4,832	5.4%	5,080	4,820	NM	2	7	6	NM	3
Nebraska	1,965	2,077	-5.4%	1,933	2,063	0	0	0	0	32	15
North Dakota	2,118	2,299	-7.9%	2,111	2,293	0	0	0	0	NM	7
South Dakota	197	204	-3.3%	197	204	0	0	0	0	0	0
South Atlantic	14,221	18,277	-22.2%	12,483	15,772	1,577	2,330	NM	1	156	173
Delaware	0	-2	-100.0%	0	0	0	-2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,429	3,880	-11.6%	3,327	3,723	80	134	0	0	NM	24
Georgia	1,758	1,892	-7.1%	1,739	1,859	0	0	0	0	NM	33
Maryland	755	995	-24.2%	0	0	750	986	0	0	5	9
North Carolina	2,113	3,173	-33.4%	2,023	3,145	NM	6	3	0	NM	23
South Carolina	1,404	1,754	-19.9%	1,395	1,744	0	0	0	0	9	10
Virginia	1,312	1,384	-5.2%	1,203	1,333	67	18	NM	1	40	31
West Virginia	3,449	5,201	-33.7%	2,797	3,969	616	1,189	0	0	37	43
East South Central	9,790	11,767	-16.8%	9,579	11,671	118	0	0	1	93	95
Alabama	3,078	3,135	-1.8%	3,067	3,126	0	0	0	0	NM	9
Kentucky	5,020	6,022	-16.6%	5,020	6,022	0	0	0	0	0	0
Mississippi	158	627	-74.8%	40	627	118	0	0	0	0	0
Tennessee	1,534	1,983	-22.6%	1,452	1,896	0	0	0	1	82	86
West South Central	14,437	16,790	-14.0%	7,152	8,836	7,244	7,918	0	0	NM	35
Arkansas	1,530	2,556	-40.1%	1,312	2,073	213	479	0	0	5	4
Louisiana	997	1,141	-12.6%	671	706	326	435	0	0	0	0
Oklahoma	2,184	2,040	7.1%	1,934	1,832	213	177	0	0	NM	31
Texas	9,726	11,053	-12.0%	3,235	4,226	6,491	6,827	0	0	0	0
Mountain	14,810	15,663	-5.4%	13,060	13,836	1,665	1,733	0	0	85	93
Arizona	3,133	3,622	-13.5%	3,133	3,622	0	0	0	0	0	0
Colorado	2,096	2,330	-10.0%	2,089	2,328	NM	2	0	0	NM	1
Idaho	NM	8	NM	0	0	0	0	0	0	NM	8
Montana	1,526	1,534	-0.5%	NM	9	1,503	1,524	0	0	NM	1
Nevada	219	430	-49.0%	155	305	65	125	0	0	0	0
New Mexico	1,730	1,518	13.9%	1,730	1,518	0	0	0	0	0	0
Utah	2,549	2,651	-3.9%	2,477	2,580	NM	27	0	0	39	43
Wyoming	3,550	3,569	-0.5%	3,454	3,473	NM	56	0	0	39	41
Pacific Contiguous	1,027	1,150	-10.7%	351	404	655	714	0	0	21	32
California	23	51	-54.1%	0	0	NM	23	0	0	18	28
Oregon	351	404	-13.1%	351	404	0	0	0	0	0	0
Washington	653	695	-6.1%	0	0	650	691	0	0	2	4
Pacific Noncontiguous	198	172	15.3%	38	9	147	149	9	10	NM	3
Alaska	64	37	73.8%	38	9	17	17	9	10	0	0
Hawaii	134	135	-0.8%	0	0	130	132	0	0	NM	3
U.S. Total	97,409	111,296	-12.5%	72,989	82,991	23,430	27,332	34	31	955	942

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.4.B. Utility Scale Facility Net Generation from Coal

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	3,487	4,188	-16.8%	912	1,066	2,528	3,080	0	0	47	43
Connecticut	604	704	-14.2%	0	0	604	704	0	0	0	0
Maine	81	66	22.7%	0	0	56	43	0	0	25	24
Massachusetts	1,890	2,352	-19.6%	0	0	1,868	2,333	0	0	22	19
New Hampshire	912	1,066	-14.5%	912	1,066	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	61,299	73,154	-16.2%	0	0	60,638	72,436	NM	14	655	705
New Jersey	1,552	2,261	-31.4%	0	0	1,552	2,261	0	0	0	0
New York	2,222	4,238	-47.6%	0	0	1,965	3,976	0	0	257	262
Pennsylvania	57,524	66,655	-13.7%	0	0	57,121	66,198	NM	14	397	443
East North Central	273,506	307,487	-11.1%	172,887	192,826	98,207	111,983	129	161	2,283	2,517
Illinois	64,395	71,885	-10.4%	7,554	8,260	55,431	62,150	31	28	1,378	1,448
Indiana	68,149	83,118	-18.0%	63,562	78,558	4,538	4,490	34	53	14	16
Michigan	44,840	44,960	-0.3%	44,356	44,431	330	305	62	78	92	146
Ohio	64,230	75,883	-15.4%	26,159	30,650	37,908	45,037	NM	NM	162	194
Wisconsin	31,893	31,640	0.8%	31,256	30,927	0	0	NM	1	636	713
West North Central	171,155	181,276	-5.6%	168,377	178,564	24	26	135	189	2,618	2,496
Iowa	26,986	27,785	-2.9%	25,308	26,120	0	0	87	118	1,591	1,547
Kansas	21,932	24,506	-10.5%	21,932	24,506	0	0	0	0	0	0
Minnesota	21,171	22,636	-6.5%	20,548	22,046	0	0	NM	8	622	582
Missouri	56,163	60,699	-7.5%	56,069	60,573	24	26	47	63	22	37
Nebraska	20,521	20,933	-2.0%	20,208	20,649	0	0	0	0	313	284
North Dakota	23,261	22,464	3.5%	23,191	22,417	0	0	0	0	70	47
South Dakota	1,121	2,253	-50.2%	1,121	2,253	0	0	0	0	0	0
South Atlantic	214,624	248,824	-13.7%	187,411	215,400	25,460	31,412	63	41	1,690	1,970
Delaware	576	858	-32.8%	0	0	576	858	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	37,156	43,589	-14.8%	35,850	41,999	1,087	1,368	0	0	219	223
Georgia	34,119	40,077	-14.9%	33,911	39,690	0	0	0	0	208	388
Maryland	12,814	15,499	-17.3%	0	0	12,715	15,363	NM	2	98	134
North Carolina	37,088	42,423	-12.6%	36,109	41,338	728	814	46	20	204	250
South Carolina	20,175	24,604	-18.0%	20,039	24,460	0	0	0	0	137	143
Virginia	14,945	17,294	-13.6%	13,583	15,729	982	1,165	NM	19	365	381
West Virginia	57,751	64,480	-10.4%	47,919	52,185	9,372	11,844	0	0	460	451
East South Central	132,900	152,081	-12.6%	129,343	148,924	2,592	2,120	0	10	965	1,027
Alabama	36,455	41,022	-11.1%	36,336	40,909	0	0	0	0	119	113
Kentucky	62,886	69,500	-9.5%	62,886	69,500	0	0	0	0	0	0
Mississippi	5,857	9,739	-39.9%	3,265	7,619	2,592	2,120	0	0	0	0
Tennessee	27,701	31,820	-12.9%	26,855	30,896	0	0	0	10	846	914
West South Central	160,938	197,941	-18.7%	83,656	106,105	76,897	91,464	0	0	385	372
Arkansas	19,582	28,527	-31.4%	16,021	25,232	3,514	3,246	0	0	47	49
Louisiana	13,227	16,396	-19.3%	7,711	7,057	5,517	9,339	0	0	0	0
Oklahoma	22,103	25,540	-13.5%	20,262	23,636	1,503	1,581	0	0	338	323
Texas	106,026	127,478	-16.8%	39,662	50,179	66,364	77,299	0	0	0	0
Mountain	153,123	162,480	-5.8%	137,432	147,019	14,830	14,554	0	0	860	907
Arizona	30,894	35,989	-14.2%	30,894	35,989	0	0	0	0	0	0
Colorado	26,578	27,557	-3.6%	26,507	27,475	NM	76	0	0	NM	6
Idaho	60	61	-2.0%	0	0	0	0	0	0	60	61
Montana	13,417	12,584	6.6%	241	233	13,170	12,345	0	0	NM	7
Nevada	2,311	5,833	-60.4%	1,618	4,646	693	1,187	0	0	0	0
New Mexico	16,871	16,880	-0.1%	16,871	16,880	0	0	0	0	0	0
Utah	26,909	27,495	-2.1%	26,179	26,704	306	344	0	0	424	447
Wyoming	36,083	36,079	0.0%	35,122	35,091	595	603	0	0	366	385
Pacific Contiguous	5,850	8,807	-33.6%	1,700	2,595	3,851	5,924	0	0	299	288
California	326	750	-56.6%	0	0	NM	499	0	0	270	251
Oregon	1,700	2,595	-34.5%	1,700	2,595	0	0	0	0	0	0
Washington	3,824	5,462	-30.0%	0	0	3,795	5,425	0	0	29	37
Pacific Noncontiguous	1,666	1,726	-3.5%	269	224	1,276	1,376	85	91	NM	36
Alaska	516	474	8.9%	269	224	163	159	85	91	0	0
Hawaii	1,150	1,252	-8.2%	0	0	1,113	1,217	0	0	NM	36
U.S. Total	1,178,547	1,337,963	-11.9%	881,986	992,722	286,304	334,374	418	507	9,839	10,360

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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 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	17	9	95.2%	3	1	10	2	NM	5	NM	1
Connecticut	3	1	243.4%	1	0	2	1	NM	0	NM	0
Maine	7	2	246.1%	NM	0	5	1	NM	0	1	1
Massachusetts	5	5	1.7%	1	0	NM	0	NM	4	NM	0
New Hampshire	NM	1	NM	1	0	NM	0	NM	0	NM	0
Rhode Island	NM	NM	NM	1	0	0	0	NM	NM	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	44	25	75.3%	13	6	25	12	NM	1	4	6
New Jersey	2	0	480.6%	NM	NM	2	0	NM	0	NM	0
New York	22	15	47.9%	13	6	NM	2	NM	1	4	6
Pennsylvania	20	10	99.1%	NM	0	19	10	NM	0	NM	0
East North Central	34	34	-0.2%	23	24	9	8	NM	NM	2	2
Illinois	4	5	-21.9%	1	1	2	3	NM	0	NM	0
Indiana	10	11	-7.4%	9	10	NM	0	NM	0	1	1
Michigan	7	8	-13.0%	6	8	NM	NM	0	0	NM	0
Ohio	12	11	6.0%	5	5	6	5	NM	0	NM	0
Wisconsin	3	0	532.1%	2	0	NM	0	NM	NM	NM	0
West North Central	16	24	-33.8%	15	24	NM	0	NM	0	NM	0
Iowa	3	4	-22.5%	3	4	NM	0	NM	0	NM	0
Kansas	2	3	-44.3%	2	3	0	0	0	0	0	0
Minnesota	NM	2	NM	2	2	NM	0	NM	0	NM	0
Missouri	5	6	-18.3%	5	6	0	0	NM	0	0	0
Nebraska	NM	7	NM	NM	7	0	0	0	0	0	0
North Dakota	2	3	-38.7%	2	3	0	0	NM	0	NM	0
South Dakota	1	0	242.2%	1	0	NM	0	NM	0	0	0
South Atlantic	96	83	16.1%	76	50	12	25	NM	3	8	5
Delaware	NM	0	NM	NM	0	NM	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	35	25	42.7%	34	23	NM	0	0	0	NM	2
Georgia	3	-2	-285.0%	2	-4	NM	0	0	0	NM	2
Maryland	9	6	58.3%	1	0	8	3	NM	2	NM	0
North Carolina	11	8	37.8%	10	8	NM	0	NM	0	NM	1
South Carolina	10	5	99.3%	8	5	NM	0	NM	0	2	0
Virginia	18	30	-38.6%	10	8	5	21	NM	0	3	1
West Virginia	10	11	-10.0%	10	11	0	0	0	0	0	0
East South Central	14	19	-26.3%	13	18	0	0	NM	0	NM	1
Alabama	NM	3	NM	2	2	NM	0	0	0	NM	1
Kentucky	7	7	7.1%	7	7	0	0	0	0	0	0
Mississippi	0	1	-79.3%	0	1	0	0	0	0	0	0
Tennessee	4	9	-55.5%	4	8	NM	0	NM	0	NM	0
West South Central	17	12	48.7%	10	5	6	6	NM	0	NM	1
Arkansas	5	2	107.3%	4	1	0	1	0	0	1	0
Louisiana	2	2	7.4%	2	1	1	1	0	0	0	0
Oklahoma	NM	1	NM	1	0	0	0	NM	0	NM	0
Texas	9	6	41.5%	4	2	5	4	NM	0	NM	0
Mountain	16	19	-11.5%	15	16	1	2	NM	0	NM	0
Arizona	3	2	54.2%	3	2	0	0	NM	0	0	0
Colorado	NM	3	NM	NM	3	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	1	2	-23.8%	NM	1	1	1	0	0	0	0
Nevada	1	2	-11.9%	1	1	1	1	0	0	0	0
New Mexico	3	5	-34.3%	3	5	0	0	0	0	NM	0
Utah	2	2	21.3%	2	1	NM	0	0	0	NM	0
Wyoming	5	4	17.8%	5	4	0	0	0	0	NM	0
Pacific Contiguous	8	6	26.8%	4	3	3	2	NM	0	NM	1
California	6	4	42.2%	3	3	3	1	NM	0	NM	0
Oregon	1	1	30.5%	1	1	0	0	NM	0	0	0
Washington	NM	1	NM	NM	0	0	0	NM	0	NM	1
Pacific Noncontiguous	672	677	-0.8%	515	504	142	152	NM	0	15	21
Alaska	63	45	41.2%	60	40	0	0	NM	0	3	4
Hawaii	609	633	-3.7%	456	464	142	152	0	0	11	17
U.S. Total	936	908	3.0%	686	652	209	209	7	9	34	39

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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 1.5.B. Utility Scale Facility Net Generation from Petroleum Liquids

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	2,052	2,158	-4.9%	182	259	1,739	1,742	94	113	37	44
Connecticut	434	500	-13.3%	6	9	419	479	NM	7	NM	5
Maine	527	300	75.6%	NM	1	491	260	NM	2	34	38
Massachusetts	813	983	-17.3%	59	130	696	781	57	71	NM	1
New Hampshire	170	284	-40.1%	104	106	52	162	NM	16	NM	0
Rhode Island	106	87	22.5%	11	10	80	60	NM	NM	0	0
Vermont	NM	5	NM	NM	4	0	0	NM	1	0	0
Middle Atlantic	2,673	3,133	-14.7%	821	925	1,729	2,057	54	77	69	74
New Jersey	291	455	-36.0%	NM	2	289	450	NM	1	NM	2
New York	1,838	2,090	-12.0%	818	922	907	1,029	51	74	61	65
Pennsylvania	543	588	-7.7%	1	1	533	578	NM	2	NM	7
East North Central	490	635	-22.8%	340	385	123	225	NM	4	22	20
Illinois	47	73	-36.2%	17	24	30	49	NM	0	NM	0
Indiana	141	136	4.1%	126	124	NM	0	NM	1	14	11
Michigan	100	108	-7.2%	96	104	NM	NM	NM	2	2	2
Ohio	172	276	-37.8%	78	99	90	172	NM	0	NM	4
Wisconsin	30	42	-27.7%	24	35	3	3	NM	2	NM	3
West North Central	262	298	-11.9%	248	279	NM	12	4	5	NM	1
Iowa	37	50	-25.2%	37	49	NM	1	NM	0	NM	0
Kansas	40	39	2.3%	40	39	0	0	0	0	0	0
Minnesota	37	59	-37.8%	23	42	NM	11	4	5	NM	1
Missouri	86	87	-1.6%	86	87	0	0	NM	0	0	0
Nebraska	21	35	-41.2%	21	35	0	0	0	0	0	0
North Dakota	22	21	5.0%	22	21	0	0	NM	0	NM	0
South Dakota	20	6	216.9%	19	6	NM	0	NM	0	0	0
South Atlantic	2,717	3,153	-13.8%	1,983	2,156	618	892	NM	22	93	84
Delaware	144	181	-20.6%	NM	8	140	172	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	469	467	0.4%	446	446	4	4	0	0	18	17
Georgia	139	150	-6.9%	60	79	46	35	2	2	31	34
Maryland	231	446	-48.2%	12	11	198	415	NM	18	NM	1
North Carolina	395	431	-8.3%	361	390	24	26	NM	0	11	15
South Carolina	187	230	-18.7%	161	206	13	15	NM	0	13	8
Virginia	1,036	1,117	-7.3%	837	909	179	198	NM	1	19	9
West Virginia	117	132	-11.6%	103	106	13	26	0	0	0	0
East South Central	311	370	-16.0%	274	343	14	12	NM	0	24	15
Alabama	77	91	-15.0%	44	67	13	11	0	0	20	13
Kentucky	101	100	1.5%	101	100	0	0	0	0	0	0
Mississippi	13	13	3.2%	12	12	0	0	0	0	2	1
Tennessee	119	167	-28.4%	117	164	NM	1	NM	0	NM	1
West South Central	221	159	39.1%	133	69	78	79	NM	1	9	10
Arkansas	49	21	131.9%	33	12	9	6	0	0	7	3
Louisiana	68	39	72.0%	55	11	12	23	0	0	0	6
Oklahoma	8	11	-33.6%	7	11	0	0	NM	0	NM	0
Texas	97	87	11.2%	38	35	56	50	NM	1	NM	1
Mountain	191	203	-5.9%	171	179	14	17	NM	0	5	7
Arizona	41	47	-13.3%	41	47	0	0	NM	0	0	0
Colorado	8	8	1.6%	8	8	0	0	NM	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	18	22	-20.8%	NM	8	11	15	0	0	0	0
Nevada	14	13	6.7%	11	11	3	2	0	0	0	0
New Mexico	55	55	0.4%	55	55	0	0	0	0	NM	0
Utah	16	20	-19.7%	15	19	NM	1	0	0	NM	0
Wyoming	40	39	4.3%	35	32	0	0	0	0	5	6
Pacific Contiguous	99	66	48.8%	36	38	29	17	NM	1	33	11
California	79	41	93.9%	29	27	24	9	NM	1	25	3
Oregon	5	8	-33.4%	5	8	0	0	NM	0	0	0
Washington	15	18	-17.4%	NM	3	5	8	NM	0	8	7
Pacific Noncontiguous	6,437	6,190	4.0%	4,994	4,750	1,266	1,242	5	4	172	194
Alaska	653	370	76.4%	611	331	0	0	NM	3	39	37
Hawaii	5,784	5,820	-0.6%	4,383	4,419	1,266	1,242	3	1	132	158
U.S. Total	15,454	16,367	-5.6%	9,183	9,386	5,620	6,293	187	227	465	460

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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 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 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	9	NM	0	0	0	0	0	0	NM	9
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	9	NM	0	0	0	0	0	0	NM	9
East North Central	151	99	52.4%	29	63	107	11	0	0	NM	25
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	10	9	9.6%	10	9	0	0	0	0	0	0
Michigan	36	72	-49.6%	18	52	5	3	0	0	NM	17
Ohio	102	8	NM	0	0	102	8	0	0	0	0
Wisconsin	3	10	-69.5%	2	2	0	0	0	0	1	8
West North Central	NM	12	NM	0	0	0	0	1	1	NM	11
Iowa	NM	12	NM	0	0	0	0	1	1	NM	11
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	142	17	748.8%	126	0	0	0	0	0	16	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	126	0	--	126	0	0	0	0	0	0	0
Georgia	16	17	-4.3%	0	0	0	0	0	0	16	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	54	88	-38.7%	54	88	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	54	88	-38.7%	54	88	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	432	345	25.2%	401	305	0	0	0	0	NM	39
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	421	331	27.3%	401	305	0	0	0	0	NM	26
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	10	14	-24.7%	0	0	0	0	0	0	10	14
Mountain	43	39	8.0%	0	0	43	39	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	43	39	8.0%	0	0	43	39	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	0	NM	0	0	NM	0	0	0	0	0
California	NM	0	NM	0	0	NM	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	847	609	39.0%	610	457	150	51	1	1	86	101

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.6.B. Utility Scale Facility Net Generation from Petroleum Coke

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	172	158	9.4%	0	0	0	0	0	0	172	158
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	156	132	18.6%	0	0	0	0	0	0	156	132
East North Central	2,680	2,829	-5.2%	1,463	1,703	991	845	0	0	227	281
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	881	1,031	-14.5%	881	1,031	0	0	0	0	0	0
Michigan	682	763	-10.6%	532	587	21	43	0	0	129	134
Ohio	971	803	20.9%	0	0	970	802	0	0	NM	0
Wisconsin	146	232	-36.8%	49	85	0	0	0	0	97	147
West North Central	64	79	-19.7%	0	0	0	0	7	7	57	73
Iowa	64	79	-19.7%	0	0	0	0	7	7	57	73
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	1,518	1,377	10.2%	1,370	1,211	0	0	0	0	148	166
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	1,370	1,211	13.2%	1,370	1,211	0	0	0	0	0	0
Georgia	148	166	-11.1%	0	0	0	0	0	0	148	166
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	828	864	-4.2%	828	864	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	828	864	-4.2%	828	864	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	3,854	4,387	-12.2%	3,523	3,905	0	0	0	0	331	482
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	3,736	4,237	-11.8%	3,523	3,905	0	0	0	0	213	332
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	118	150	-21.8%	0	0	0	0	0	0	118	150
Mountain	403	319	26.4%	0	0	403	319	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	403	319	26.4%	0	0	403	319	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	19	NM	0	0	NM	19	0	0	0	0
California	NM	19	NM	0	0	NM	19	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	9,526	10,032	-5.0%	7,184	7,683	1,400	1,183	7	7	934	1,160

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

Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	4,672	4,173	12.0%	20	35	4,479	3,966	76	72	97	101
Connecticut	1,517	1,024	48.2%	1	1	1,447	963	32	27	37	32
Maine	399	210	89.7%	0	0	351	155	NM	1	46	54
Massachusetts	1,787	1,883	-5.1%	19	33	1,720	1,802	37	37	NM	11
New Hampshire	482	499	-3.3%	0	0	478	493	NM	2	NM	3
Rhode Island	487	556	-12.5%	0	0	483	552	NM	NM	0	0
Vermont	0	0	-99.7%	0	0	0	0	0	0	0	0
Middle Atlantic	13,316	12,325	8.0%	937	718	12,131	11,359	91	79	157	169
New Jersey	3,283	2,763	18.8%	NM	7	3,228	2,706	NM	17	32	33
New York	4,805	4,307	11.5%	929	710	3,793	3,537	64	48	NM	12
Pennsylvania	5,228	5,254	-0.5%	NM	1	5,110	5,115	NM	14	106	124
East North Central	6,814	4,524	50.6%	2,794	2,215	3,746	2,076	131	107	143	126
Illinois	864	580	48.9%	25	15	762	486	42	40	35	39
Indiana	1,134	765	48.3%	849	630	224	88	16	9	45	37
Michigan	1,916	1,013	89.1%	488	292	1,334	651	52	45	41	25
Ohio	1,890	1,167	62.1%	514	372	1,365	788	NM	2	NM	4
Wisconsin	1,010	999	1.1%	918	906	61	63	NM	10	NM	20
West North Central	977	1,426	-31.5%	882	1,066	48	321	NM	25	NM	15
Iowa	131	145	-9.2%	117	135	NM	0	NM	5	NM	5
Kansas	NM	80	NM	NM	80	0	0	0	0	NM	1
Minnesota	476	601	-20.9%	442	470	16	113	NM	12	NM	6
Missouri	211	518	-59.2%	173	302	32	208	7	8	NM	0
Nebraska	NM	33	NM	NM	32	0	0	NM	0	0	0
North Dakota	NM	28	NM	NM	26	0	0	0	0	NM	3
South Dakota	45	21	110.5%	45	21	0	0	0	0	0	0
South Atlantic	23,882	20,841	14.6%	19,651	16,821	3,949	3,760	43	39	239	222
Delaware	449	499	-10.0%	NM	3	402	449	0	0	44	48
District of Columbia	NM	6	NM	0	0	0	0	NM	6	0	0
Florida	13,206	12,372	6.7%	12,198	11,587	889	669	NM	3	116	113
Georgia	4,175	4,066	2.7%	2,781	2,666	1,351	1,377	0	0	43	23
Maryland	342	210	62.5%	0	0	305	175	33	30	NM	5
North Carolina	2,510	1,732	44.9%	2,250	1,351	250	376	1	0	NM	5
South Carolina	1,542	844	82.6%	1,445	688	94	153	NM	0	NM	4
Virginia	1,495	983	52.2%	972	524	503	434	NM	0	20	25
West Virginia	159	130	22.1%	2	3	157	127	0	0	0	0
East South Central	9,014	7,467	20.7%	5,267	4,343	3,591	2,984	NM	9	144	131
Alabama	4,442	4,243	4.7%	1,109	1,377	3,256	2,783	0	0	77	82
Kentucky	771	43	NM	654	36	98	1	0	0	NM	7
Mississippi	3,164	2,808	12.7%	2,889	2,579	237	199	NM	2	36	28
Tennessee	637	373	70.8%	614	351	NM	0	NM	7	12	14
West South Central	27,229	24,146	12.8%	7,840	6,358	14,297	12,690	76	67	5,016	5,031
Arkansas	549	623	-11.9%	154	122	367	476	NM	0	27	26
Louisiana	5,635	4,573	23.2%	3,014	2,289	464	188	NM	16	2,141	2,081
Oklahoma	2,208	1,887	17.0%	1,463	1,223	734	653	NM	0	NM	11
Texas	18,837	17,063	10.4%	3,208	2,725	12,732	11,373	60	51	2,837	2,913
Mountain	8,794	7,571	16.2%	6,466	5,328	2,158	2,099	31	33	139	110
Arizona	3,383	2,657	27.3%	2,067	1,451	1,304	1,194	NM	13	0	0
Colorado	1,094	1,134	-3.6%	901	878	191	254	0	0	NM	2
Idaho	344	170	102.7%	153	7	188	162	0	0	NM	1
Montana	69	33	109.8%	63	30	NM	3	0	0	0	0
Nevada	2,495	2,237	11.5%	2,313	2,018	144	189	NM	6	33	23
New Mexico	711	585	21.5%	411	312	281	252	NM	7	NM	14
Utah	642	712	-9.8%	554	632	NM	37	NM	7	38	36
Wyoming	57	43	31.1%	NM	2	NM	8	0	0	53	34
Pacific Contiguous	15,015	14,957	0.4%	5,530	5,229	8,354	8,439	153	171	978	1,118
California	11,955	12,257	-2.5%	3,587	3,461	7,258	7,527	144	161	965	1,108
Oregon	1,550	1,412	9.7%	679	574	856	823	NM	9	NM	7
Washington	1,510	1,288	17.3%	1,264	1,194	241	89	NM	1	4	3
Pacific Noncontiguous	208	252	-17.6%	201	247	0	0	NM	0	NM	5
Alaska	208	252	-17.6%	201	247	0	0	NM	0	NM	5
Hawaii	0	0	-	0	0	0	0	0	0	0	0
U.S. Total	109,921	97,683	12.5%	49,587	42,360	52,755	47,693	638	601	6,941	7,028

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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. Utility Scale Facility Net Generation from Natural Gas

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	45,897	41,112	11.6%	370	321	43,668	38,600	837	802	1,022	1,388
Connecticut	14,226	11,983	18.7%	2	10	13,492	11,268	340	322	392	382
Maine	2,519	3,714	-32.2%	0	0	2,008	2,818	NM	22	490	874
Massachusetts	18,342	16,503	11.1%	347	282	17,456	15,705	424	410	114	106
New Hampshire	5,139	3,682	39.6%	20	27	5,079	3,617	NM	12	NM	26
Rhode Island	5,670	5,228	8.5%	0	0	5,632	5,192	38	36	0	0
Vermont	1	2	-38.1%	1	2	0	0	0	0	0	0
Middle Atlantic	129,864	116,195	11.8%	10,346	9,936	116,985	103,874	930	832	1,602	1,552
New Jersey	31,141	25,924	20.1%	NM	63	30,557	25,383	163	150	340	328
New York	48,831	45,884	6.4%	10,254	9,867	37,753	35,265	641	565	183	188
Pennsylvania	49,892	44,386	12.4%	NM	7	48,675	43,226	126	117	1,080	1,036
East North Central	74,026	49,189	50.5%	31,439	19,704	39,859	27,332	1,300	1,130	1,427	1,022
Illinois	8,864	4,619	91.9%	583	344	7,485	3,505	423	409	374	361
Indiana	13,119	7,621	72.1%	10,602	5,395	1,904	1,748	138	92	475	386
Michigan	17,162	10,587	62.1%	4,184	2,866	12,073	7,167	513	426	393	128
Ohio	23,680	19,742	19.9%	5,813	5,379	17,725	14,234	89	87	53	43
Wisconsin	11,201	6,620	69.2%	10,258	5,720	673	679	137	117	133	104
West North Central	15,290	9,896	54.5%	12,833	8,101	1,943	1,465	264	179	251	152
Iowa	2,161	1,117	93.5%	2,019	1,043	NM	0	67	32	75	42
Kansas	1,339	1,272	5.2%	1,256	1,233	0	0	0	0	83	39
Minnesota	6,241	3,136	99.0%	5,306	2,498	747	500	124	89	64	49
Missouri	4,031	3,480	15.8%	2,760	2,456	1,195	965	73	57	NM	3
Nebraska	455	359	26.8%	453	358	0	0	NM	0	NM	0
North Dakota	325	195	66.1%	301	177	0	0	0	0	NM	18
South Dakota	739	335	120.2%	739	335	0	0	0	0	0	0
South Atlantic	256,515	214,055	19.8%	208,735	177,335	44,509	34,032	459	416	2,812	2,272
Delaware	5,842	5,082	15.0%	NM	28	4,995	4,552	0	0	805	502
District of Columbia	58	58	1.3%	0	0	0	0	58	58	0	0
Florida	131,704	121,304	8.6%	123,657	113,699	6,853	6,512	30	28	1,164	1,065
Georgia	42,312	33,821	25.1%	27,602	24,264	14,315	9,254	0	0	395	303
Maryland	3,851	2,220	73.5%	0	0	3,449	1,852	355	323	46	45
North Carolina	30,589	23,312	31.2%	27,093	20,498	3,374	2,735	6	0	116	78
South Carolina	13,295	9,797	35.7%	11,943	8,681	1,324	1,086	NM	3	22	27
Virginia	27,690	17,864	55.0%	18,284	9,991	9,137	7,616	NM	4	264	253
West Virginia	1,175	599	96.2%	114	175	1,061	424	0	0	NM	0
East South Central	96,528	73,657	31.1%	55,504	42,591	39,367	29,565	124	118	1,533	1,383
Alabama	46,795	39,057	19.8%	12,192	11,734	33,754	26,519	0	0	849	804
Kentucky	3,921	2,185	79.5%	3,062	1,830	645	144	0	0	214	210
Mississippi	38,113	27,236	39.9%	32,811	24,047	4,961	2,896	NM	18	324	275
Tennessee	7,698	5,180	48.6%	7,438	4,980	NM	5	106	101	147	94
West South Central	298,769	252,255	18.4%	89,406	72,465	156,693	126,902	764	729	51,907	52,159
Arkansas	13,193	8,352	58.0%	3,770	1,489	9,135	6,641	NM	2	286	220
Louisiana	54,541	47,330	15.2%	31,131	24,032	2,932	1,954	156	161	20,321	21,184
Oklahoma	28,349	22,777	24.5%	17,967	14,624	10,251	8,042	NM	0	123	111
Texas	202,686	173,796	16.6%	36,537	32,320	134,375	110,265	597	566	31,177	30,644
Mountain	81,075	70,820	14.5%	57,816	48,623	21,825	20,814	295	339	1,139	1,045
Arizona	28,982	24,140	20.1%	15,614	11,766	13,268	12,257	100	117	0	0
Colorado	9,448	9,729	-2.9%	7,414	7,613	2,011	2,095	NM	5	15	15
Idaho	3,064	2,189	40.0%	1,767	1,094	1,261	1,069	0	0	36	25
Montana	617	422	46.2%	563	386	54	36	0	0	0	0
Nevada	23,775	19,240	23.6%	22,123	16,958	1,397	2,028	46	54	208	200
New Mexico	7,937	7,670	3.5%	4,462	4,700	3,357	2,848	80	93	39	30
Utah	6,698	7,003	-4.4%	5,833	6,087	463	457	62	70	340	389
Wyoming	552	428	29.0%	NM	19	NM	23	0	0	501	386
Pacific Contiguous	120,972	121,362	-0.3%	45,417	42,127	64,914	67,289	1,403	1,518	9,239	10,429
California	97,969	101,878	-3.8%	31,562	30,138	55,960	59,950	1,318	1,446	9,129	10,343
Oregon	12,816	10,137	26.4%	5,238	3,879	7,442	6,150	70	61	66	47
Washington	10,187	9,347	9.0%	8,616	8,109	1,512	1,189	NM	10	44	38
Pacific Noncontiguous	2,417	2,677	-9.7%	2,350	2,621	0	0	NM	1	65	55
Alaska	2,417	2,677	-9.7%	2,350	2,621	0	0	NM	1	65	55
Hawaii	0	0	–	0	0	0	0	0	0	0	0
U.S. Total	1,121,352	951,218	17.9%	514,214	423,823	529,763	449,872	6,378	6,065	70,997	71,457

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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. Utility Scale Facility Net Generation from Other Gases by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 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	43	51	-15.0%	0	0	0	0	0	0	43	51
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	33	40	-16.3%	0	0	0	0	0	0	33	40
East North Central	228	389	-41.3%	12	4	43	175	0	0	173	211
Illinois	NM	5	NM	0	0	0	0	0	0	NM	5
Indiana	140	187	-25.2%	NM	1	0	0	0	0	138	186
Michigan	11	116	-90.8%	11	3	0	114	0	0	0	0
Ohio	57	80	-28.7%	0	0	43	61	0	0	NM	19
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	2	NM	0	0	0	0	0	0	NM	2
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	2	NM	0	0	0	0	0	0	NM	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	12	20	-40.9%	0	0	0	0	0	0	12	20
Delaware	9	16	-42.7%	0	0	0	0	0	0	9	16
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	0	40.8%	0	0	0	0	0	0	1	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	2	3	-43.8%	0	0	0	0	0	0	2	3
East South Central	NM	4	NM	0	0	0	0	0	0	NM	4
Alabama	NM	3	NM	0	0	0	0	0	0	NM	3
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2	1	68.6%	0	0	0	0	0	0	2	1
West South Central	369	433	-14.8%	0	0	116	122	0	0	253	311
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	169	200	-15.6%	0	0	0	0	0	0	169	200
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	200	233	-14.1%	0	0	116	122	0	0	84	112
Mountain	41	26	56.7%	0	0	2	1	0	0	39	25
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	1	0	NM	0	0	1	0	0	0	0	0
Nevada	1	1	11.7%	0	0	1	1	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	39	25	52.0%	0	0	0	0	0	0	39	25
Pacific Contiguous	135	153	-11.4%	0	0	34	34	0	0	101	119
California	101	119	-15.0%	0	0	0	0	0	0	101	119
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	34	34	1.5%	0	0	34	34	0	0	0	0
Pacific Noncontiguous	NM	5	NM	0	0	0	0	0	0	NM	5
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	5	NM	0	0	0	0	0	0	NM	5
U.S. Total	842	1,082	-22.2%	12	4	195	331	0	0	634	748

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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. Utility Scale Facility Net Generation from Other Gases

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	507	533	-4.9%	0	0	0	0	0	0	507	533
New Jersey	147	130	12.8%	0	0	0	0	0	0	147	130
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	360	403	-10.7%	0	0	0	0	0	0	360	403
East North Central	4,129	3,732	10.6%	195	88	1,614	1,437	0	0	2,320	2,208
Illinois	303	289	4.7%	0	0	1	7	0	0	302	283
Indiana	1,838	1,773	3.7%	NM	16	0	0	0	0	1,821	1,757
Michigan	1,176	903	30.2%	178	71	997	832	0	0	0	0
Ohio	812	767	5.9%	0	0	615	598	0	0	197	169
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	43	31	35.2%	0	0	0	0	0	0	43	31
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	43	31	35.2%	0	0	0	0	0	0	43	31
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	217	218	-0.5%	0	0	0	0	0	0	217	218
Delaware	189	188	0.5%	0	0	0	0	0	0	189	188
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	6	-36.7%	0	0	0	0	0	0	4	6
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	24	24	1.2%	0	0	0	0	0	0	24	24
East South Central	65	154	-58.0%	0	0	0	0	0	0	65	154
Alabama	55	143	-61.8%	0	0	0	0	0	0	55	143
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	10	11	-7.7%	0	0	0	0	0	0	10	11
West South Central	3,940	3,456	14.0%	0	0	1,017	893	0	0	2,922	2,563
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,899	1,603	18.5%	0	0	0	0	0	0	1,899	1,603
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,041	1,853	10.1%	0	0	1,017	893	0	0	1,023	960
Mountain	377	277	36.0%	0	0	19	5	0	0	358	273
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	14	0	NM	0	0	14	0	0	0	0	0
Nevada	5	4	13.9%	0	0	5	4	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	358	273	31.2%	0	0	0	0	0	0	358	273
Pacific Contiguous	1,629	1,342	21.4%	0	0	323	271	0	0	1,306	1,071
California	1,306	1,071	21.9%	0	0	0	0	0	0	1,306	1,071
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	323	271	19.2%	0	0	323	271	0	0	0	0
Pacific Noncontiguous	46	51	-9.5%	0	0	0	0	0	0	46	51
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	46	51	-9.5%	0	0	0	0	0	0	46	51
U.S. Total	10,952	9,795	11.8%	195	88	2,973	2,605	0	0	7,783	7,102

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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. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	1,461	2,797	-47.8%	0	0	1,461	2,797	0	0	0	0
Connecticut	963	958	0.5%	0	0	963	958	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	498	500	-0.4%	0	0	498	500	0	0	0	0
New Hampshire	0	927	-100.0%	0	0	0	927	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	412	-100.0%	0	0	0	412	0	0	0	0
Middle Atlantic	12,702	13,080	-2.9%	0	0	12,702	13,080	0	0	0	0
New Jersey	2,777	2,505	10.9%	0	0	2,777	2,505	0	0	0	0
New York	3,831	3,774	1.5%	0	0	3,831	3,774	0	0	0	0
Pennsylvania	6,093	6,801	-10.4%	0	0	6,093	6,801	0	0	0	0
East North Central	11,940	12,020	-0.7%	1,620	1,809	10,320	10,211	0	0	0	0
Illinois	8,013	7,745	3.5%	0	0	8,013	7,745	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,827	2,411	-24.2%	1,620	1,809	207	602	0	0	0	0
Ohio	1,628	1,380	18.0%	0	0	1,628	1,380	0	0	0	0
Wisconsin	471	485	-2.8%	0	0	471	485	0	0	0	0
West North Central	4,331	2,221	95.0%	3,885	2,190	446	31	0	0	0	0
Iowa	446	31	NM	0	0	446	31	0	0	0	0
Kansas	904	904	0.0%	904	904	0	0	0	0	0	0
Minnesota	1,103	624	76.7%	1,103	624	0	0	0	0	0	0
Missouri	913	288	217.1%	913	288	0	0	0	0	0	0
Nebraska	965	374	158.3%	965	374	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	15,025	16,319	-7.9%	13,708	15,022	1,317	1,297	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,804	2,194	-17.8%	1,804	2,194	0	0	0	0	0	0
Georgia	2,353	2,581	-8.8%	2,353	2,581	0	0	0	0	0	0
Maryland	1,317	1,297	1.6%	0	0	1,317	1,297	0	0	0	0
North Carolina	3,551	2,973	19.4%	3,551	2,973	0	0	0	0	0	0
South Carolina	3,937	4,865	-19.1%	3,937	4,865	0	0	0	0	0	0
Virginia	2,062	2,409	-14.4%	2,062	2,409	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,729	6,198	8.6%	6,729	6,198	0	0	0	0	0	0
Alabama	3,823	2,597	47.2%	3,823	2,597	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,049	1,048	0.1%	1,049	1,048	0	0	0	0	0	0
Tennessee	1,856	2,553	-27.3%	1,856	2,553	0	0	0	0	0	0
West South Central	4,381	5,706	-23.2%	1,942	2,748	2,439	2,958	0	0	0	0
Arkansas	627	1,376	-54.5%	627	1,376	0	0	0	0	0	0
Louisiana	1,315	1,372	-4.1%	1,315	1,372	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,439	2,958	-17.6%	0	0	2,439	2,958	0	0	0	0
Mountain	2,245	2,280	-1.5%	2,245	2,280	0	0	0	0	0	0
Arizona	2,245	2,280	-1.5%	2,245	2,280	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,758	1,769	-0.6%	1,758	1,769	0	0	0	0	0	0
California	905	941	-3.9%	905	941	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	853	828	3.1%	853	828	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	60,571	62,391	-2.9%	31,886	32,017	28,685	30,374	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 1.9.B. Utility Scale Facility Net Generation from Nuclear Energy

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	26,670	30,754	-13.3%	0	0	26,670	30,754	0	0	0	0
Connecticut	14,576	13,269	9.9%	0	0	14,576	13,269	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	4,003	4,777	-16.2%	0	0	4,003	4,777	0	0	0	0
New Hampshire	8,091	8,341	-3.0%	0	0	8,091	8,341	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	4,367	-100.0%	0	0	0	4,367	0	0	0	0
Middle Atlantic	131,780	126,343	4.3%	0	0	131,780	126,343	0	0	0	0
New Jersey	28,144	26,023	8.2%	0	0	28,144	26,023	0	0	0	0
New York	36,916	35,088	5.2%	0	0	36,916	35,088	0	0	0	0
Pennsylvania	66,721	65,232	2.3%	0	0	66,721	65,232	0	0	0	0
East North Central	128,050	127,427	0.5%	19,757	20,997	108,293	106,430	0	0	0	0
Illinois	80,684	80,791	-0.1%	0	0	80,684	80,791	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	24,888	25,626	-2.9%	19,757	20,997	5,131	4,629	0	0	0	0
Ohio	14,167	13,272	6.7%	0	0	14,167	13,272	0	0	0	0
Wisconsin	8,311	7,738	7.4%	0	0	8,311	7,738	0	0	0	0
West North Central	38,569	38,126	1.2%	34,221	34,237	4,348	3,889	0	0	0	0
Iowa	4,348	3,889	11.8%	0	0	4,348	3,889	0	0	0	0
Kansas	6,840	6,797	0.6%	6,840	6,797	0	0	0	0	0	0
Minnesota	10,321	10,869	-5.0%	10,321	10,869	0	0	0	0	0	0
Missouri	8,633	8,270	4.4%	8,633	8,270	0	0	0	0	0	0
Nebraska	8,427	8,301	1.5%	8,427	8,301	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	167,346	163,401	2.4%	155,196	151,661	12,150	11,741	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	23,470	22,769	3.1%	23,470	22,769	0	0	0	0	0	0
Georgia	27,790	26,659	4.2%	27,790	26,659	0	0	0	0	0	0
Maryland	12,150	11,741	3.5%	0	0	12,150	11,741	0	0	0	0
North Carolina	34,576	33,856	2.1%	34,576	33,856	0	0	0	0	0	0
South Carolina	45,433	43,366	4.8%	45,433	43,366	0	0	0	0	0	0
Virginia	23,927	25,011	-4.3%	23,927	25,011	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	66,170	64,935	1.9%	66,170	64,935	0	0	0	0	0	0
Alabama	35,000	34,203	2.3%	35,000	34,203	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	9,718	8,164	19.0%	9,718	8,164	0	0	0	0	0	0
Tennessee	21,452	22,568	-4.9%	21,452	22,568	0	0	0	0	0	0
West South Central	59,444	58,658	1.3%	25,337	26,043	34,107	32,615	0	0	0	0
Arkansas	11,581	11,785	-1.7%	11,581	11,785	0	0	0	0	0	0
Louisiana	13,756	14,258	-3.5%	13,756	14,258	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	34,107	32,615	4.6%	0	0	34,107	32,615	0	0	0	0
Mountain	27,202	27,129	0.3%	27,202	27,129	0	0	0	0	0	0
Arizona	27,202	27,129	0.3%	27,202	27,129	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	22,049	21,890	0.7%	22,049	21,890	0	0	0	0	0	0
California	15,552	14,033	10.8%	15,552	14,033	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6,497	7,857	-17.3%	6,497	7,857	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	667,280	658,663	1.3%	349,932	346,892	317,348	311,771	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	561	467	20.0%	70	54	457	388	NM	NM	34	25
Connecticut	NM	26	NM	NM	2	NM	24	0	0	0	0
Maine	275	240	14.4%	0	0	241	216	0	0	33	24
Massachusetts	61	56	9.4%	NM	11	46	44	NM	NM	NM	0
New Hampshire	95	66	42.5%	21	15	73	51	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	95	78	20.7%	NM	26	64	53	0	0	0	0
Middle Atlantic	2,376	2,270	4.6%	1,888	1,806	482	458	NM	0	NM	6
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	2,243	2,176	3.1%	1,881	1,803	356	367	NM	0	NM	6
Pennsylvania	131	93	40.1%	NM	3	124	90	0	0	0	0
East North Central	326	416	-21.8%	279	359	NM	41	NM	0	NM	17
Illinois	NM	10	NM	NM	4	NM	6	NM	0	0	0
Indiana	41	42	-0.3%	41	42	0	0	0	0	0	0
Michigan	90	96	-6.2%	83	88	NM	6	0	0	NM	2
Ohio	46	36	27.5%	26	17	NM	19	0	0	0	0
Wisconsin	139	232	-40.1%	124	208	NM	9	0	0	NM	15
West North Central	711	1,250	-43.1%	696	1,236	NM	13	0	0	2	1
Iowa	50	99	-49.8%	49	98	NM	1	0	0	0	0
Kansas	NM	2	NM	0	0	NM	2	0	0	0	0
Minnesota	33	31	5.1%	NM	20	NM	10	0	0	2	1
Missouri	34	70	-51.5%	34	70	0	0	0	0	0	0
Nebraska	67	131	-49.0%	67	131	0	0	0	0	0	0
North Dakota	124	210	-40.9%	124	210	0	0	0	0	0	0
South Dakota	403	708	-43.1%	403	708	0	0	0	0	0	0
South Atlantic	1,256	896	40.1%	1,077	759	135	95	NM	1	42	41
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	13	NM	NM	13	0	0	0	0	0	0
Georgia	215	204	5.7%	212	202	NM	1	0	0	NM	1
Maryland	98	62	58.0%	0	0	98	62	0	0	0	0
North Carolina	488	363	34.4%	482	358	NM	4	NM	1	NM	0
South Carolina	251	112	123.5%	245	109	NM	3	NM	0	0	0
Virginia	95	53	77.2%	89	49	NM	4	0	0	NM	1
West Virginia	92	89	3.0%	NM	28	20	22	0	0	39	39
East South Central	1,745	1,981	-11.9%	1,744	1,981	NM	1	0	0	0	0
Alabama	685	756	-9.3%	685	756	0	0	0	0	0	0
Kentucky	229	251	-8.8%	228	250	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	831	975	-14.8%	831	975	0	0	0	0	0	0
West South Central	427	468	-8.9%	380	390	47	78	0	0	0	0
Arkansas	293	169	73.2%	291	168	NM	1	0	0	0	0
Louisiana	42	72	-41.0%	0	0	42	72	0	0	0	0
Oklahoma	59	172	-65.7%	59	172	0	0	0	0	0	0
Texas	NM	56	NM	NM	51	NM	5	0	0	0	0
Mountain	1,703	1,693	0.6%	1,647	1,646	56	48	NM	0	0	0
Arizona	439	429	2.3%	439	429	0	0	0	0	0	0
Colorado	100	48	108.3%	87	42	NM	6	NM	0	0	0
Idaho	423	411	3.1%	392	379	32	31	0	0	0	0
Montana	532	627	-15.0%	524	618	NM	8	0	0	0	0
Nevada	137	103	33.3%	135	101	NM	2	0	0	0	0
New Mexico	NM	5	NM	NM	5	0	0	0	0	0	0
Utah	37	34	6.4%	36	34	NM	0	0	0	0	0
Wyoming	28	37	-24.2%	27	36	NM	0	0	0	0	0
Pacific Contiguous	7,472	7,573	-1.3%	7,399	7,497	72	76	NM	0	0	0
California	918	1,008	-8.9%	879	963	39	44	NM	0	0	0
Oregon	2,065	2,103	-1.8%	2,046	2,087	NM	16	0	0	0	0
Washington	4,488	4,462	0.6%	4,474	4,447	NM	15	0	0	0	0
Pacific Noncontiguous	125	143	-12.6%	117	135	4	3	0	0	NM	5
Alaska	116	133	-12.8%	116	133	0	0	0	0	0	0
Hawaii	NM	10	NM	NM	2	4	3	0	0	NM	5
U.S. Total	16,700	17,159	-2.7%	15,298	15,863	1,303	1,200	NM	2	97	93

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

Table 1.10.B. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	6,191	6,274	-1.3%	780	728	5,070	5,211	NM	NM	337	330
Connecticut	366	364	0.5%	NM	29	337	335	0	0	0	0
Maine	2,969	3,060	-3.0%	0	0	2,637	2,735	0	0	332	325
Massachusetts	724	728	-0.6%	161	142	553	577	NM	NM	NM	5
New Hampshire	1,139	1,160	-1.8%	256	242	883	917	0	0	0	0
Rhode Island	NM	3	NM	0	0	NM	3	0	0	0	0
Vermont	990	959	3.2%	333	315	657	644	0	0	0	0
Middle Atlantic	24,319	23,784	2.3%	18,433	17,712	5,827	6,013	NM	2	NM	56
New Jersey	NM	14	NM	0	0	NM	14	0	0	0	0
New York	22,174	21,487	3.2%	18,365	17,642	3,750	3,787	NM	2	NM	56
Pennsylvania	2,121	2,282	-7.0%	68	70	2,054	2,212	0	0	0	0
East North Central	3,939	4,171	-5.6%	3,364	3,553	428	461	NM	3	144	154
Illinois	106	118	-9.5%	NM	41	65	74	NM	3	0	0
Indiana	297	291	2.1%	297	291	0	0	0	0	0	0
Michigan	1,241	1,294	-4.1%	1,137	1,187	82	84	0	0	NM	23
Ohio	388	419	-7.4%	184	199	204	220	0	0	0	0
Wisconsin	1,906	2,048	-7.0%	1,707	1,835	77	83	0	0	122	131
West North Central	9,351	9,614	-2.7%	9,168	9,417	163	181	0	0	NM	17
Iowa	677	744	-9.0%	672	738	NM	5	0	0	0	0
Kansas	NM	14	NM	0	0	NM	14	0	0	0	0
Minnesota	433	490	-11.6%	271	311	143	162	0	0	NM	17
Missouri	1,250	605	106.8%	1,250	605	0	0	0	0	0	0
Nebraska	919	980	-6.2%	919	980	0	0	0	0	0	0
North Dakota	1,840	2,189	-16.0%	1,840	2,189	0	0	0	0	0	0
South Dakota	4,217	4,593	-8.2%	4,217	4,593	0	0	0	0	0	0
South Atlantic	11,067	12,554	-11.8%	8,771	10,222	1,797	1,859	NM	15	487	459
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	178	184	-3.5%	178	184	0	0	0	0	0	0
Georgia	2,303	2,652	-13.2%	2,275	2,628	NM	9	0	0	NM	16
Maryland	1,368	1,437	-4.8%	0	0	1,368	1,437	0	0	0	0
North Carolina	3,421	4,149	-17.5%	3,358	4,085	NM	51	NM	13	NM	0
South Carolina	2,005	2,300	-12.8%	1,940	2,231	63	67	NM	3	0	0
Virginia	754	843	-10.5%	691	778	NM	56	0	0	NM	9
West Virginia	1,037	989	4.8%	330	316	254	240	0	0	454	434
East South Central	18,100	17,178	5.4%	18,094	17,171	NM	6	0	0	0	0
Alabama	7,669	7,659	0.1%	7,669	7,659	0	0	0	0	0	0
Kentucky	2,777	2,506	10.8%	2,770	2,499	NM	6	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	7,655	7,013	9.2%	7,655	7,013	0	0	0	0	0	0
West South Central	6,416	4,961	29.3%	5,532	3,950	884	1,012	0	0	0	0
Arkansas	3,015	2,361	27.7%	2,996	2,343	NM	18	0	0	0	0
Louisiana	838	963	-13.0%	0	0	838	963	0	0	0	0
Oklahoma	1,961	1,282	53.0%	1,961	1,282	0	0	0	0	0	0
Texas	603	356	69.4%	575	325	NM	31	0	0	0	0
Mountain	25,600	28,032	-8.7%	24,613	26,925	982	1,101	NM	6	0	0
Arizona	5,584	5,120	9.1%	5,584	5,120	0	0	0	0	0	0
Colorado	1,284	1,672	-23.2%	1,111	1,482	168	185	NM	6	0	0
Idaho	7,148	8,054	-11.2%	6,496	7,315	653	739	0	0	0	0
Montana	8,231	9,622	-14.5%	8,111	9,492	120	130	0	0	0	0
Nevada	1,960	2,114	-7.3%	1,931	2,082	NM	32	0	0	0	0
New Mexico	104	85	23.4%	104	85	0	0	0	0	0	0
Utah	509	545	-6.5%	504	538	NM	6	0	0	0	0
Wyoming	779	822	-5.3%	771	813	NM	9	0	0	0	0
Pacific Contiguous	102,119	110,525	-7.6%	101,177	109,459	935	1,062	NM	4	0	0
California	12,370	14,712	-15.9%	11,888	14,087	476	621	NM	4	0	0
Oregon	26,860	29,085	-7.7%	26,626	28,886	234	200	0	0	0	0
Washington	62,889	66,728	-5.8%	62,663	66,487	225	242	0	0	0	0
Pacific Noncontiguous	1,336	1,320	1.2%	1,266	1,265	30	13	0	0	NM	42
Alaska	1,248	1,246	0.2%	1,248	1,246	0	0	0	0	0	0
Hawaii	88	74	19.0%	NM	19	30	13	0	0	NM	42
U.S. Total	208,438	218,413	-4.6%	191,198	200,402	16,123	16,919	NM	34	1,085	1,058

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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. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	859	856	0.3%	88	87	668	648	15	18	88	104
Connecticut	70	65	8.1%	0	0	70	63	0	2	0	0
Maine	363	348	4.2%	0	0	267	237	8	8	87	103
Massachusetts	174	163	7.0%	7	7	164	152	NM	3	NM	0
New Hampshire	158	184	-14.3%	31	31	124	149	3	3	0	0
Rhode Island	17	17	-0.1%	0	0	16	16	NM	1	0	0
Vermont	78	80	-2.8%	50	49	28	31	NM	0	0	0
Middle Atlantic	1,276	1,238	3.1%	33	25	1,120	1,104	57	47	66	62
New Jersey	147	127	15.5%	7	3	114	103	26	21	NM	0
New York	606	577	5.0%	26	22	540	518	19	19	20	18
Pennsylvania	523	533	-1.9%	0	0	466	484	11	6	46	44
East North Central	2,992	2,237	33.7%	392	259	2,440	1,812	25	26	136	141
Illinois	1,216	879	38.4%	NM	1	1,215	877	NM	0	0	0
Indiana	567	370	53.0%	27	27	532	336	2	2	6	6
Michigan	712	599	18.9%	218	128	419	390	19	20	56	62
Ohio	201	135	48.9%	NM	2	166	106	NM	0	32	26
Wisconsin	296	254	16.6%	143	101	107	103	4	3	42	47
West North Central	4,969	4,556	9.1%	1,662	1,408	3,244	3,087	12	9	50	52
Iowa	1,720	1,505	14.3%	1,026	820	685	673	3	3	7	9
Kansas	884	817	8.3%	66	61	818	755	0	0	NM	0
Minnesota	1,049	986	6.4%	210	215	792	726	4	3	42	42
Missouri	97	111	-12.3%	4	4	89	104	3	2	NM	0
Nebraska	273	285	-4.4%	24	25	248	260	NM	1	0	0
North Dakota	703	635	10.7%	274	217	428	418	0	0	NM	0
South Dakota	243	217	11.9%	59	66	184	151	0	0	0	0
South Atlantic	1,749	1,829	-4.4%	119	180	779	789	41	40	811	820
Delaware	11	12	-7.2%	NM	1	9	9	NM	1	NM	1
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	382	417	-8.4%	41	31	168	200	3	3	169	183
Georgia	354	353	0.4%	NM	0	42	50	2	2	309	301
Maryland	96	84	14.5%	NM	1	88	70	NM	2	5	11
North Carolina	348	270	29.1%	NM	1	231	182	13	12	103	75
South Carolina	151	178	-15.1%	35	40	NM	24	0	0	90	113
Virginia	284	362	-21.4%	39	107	93	98	19	21	133	135
West Virginia	122	154	-20.6%	0	0	122	154	0	0	0	0
East South Central	521	477	9.4%	7	7	45	38	NM	0	469	432
Alabama	272	215	26.6%	NM	0	25	21	0	0	247	194
Kentucky	25	36	-28.8%	7	7	NM	0	0	0	18	29
Mississippi	125	132	-4.8%	0	0	NM	1	0	0	124	131
Tennessee	98	94	4.2%	0	0	18	16	NM	0	79	78
West South Central	5,282	4,408	19.8%	128	151	4,706	3,814	6	6	442	438
Arkansas	126	129	-2.4%	0	0	10	8	NM	0	116	121
Louisiana	231	224	3.3%	0	0	7	7	0	0	224	217
Oklahoma	1,084	931	16.4%	91	131	968	772	0	0	25	29
Texas	3,840	3,124	22.9%	37	20	3,721	3,026	6	5	76	72
Mountain	2,453	2,469	-0.6%	247	280	2,158	2,153	10	7	38	28
Arizona	321	303	5.9%	41	39	278	261	2	2	0	0
Colorado	679	665	2.2%	10	12	668	651	NM	1	NM	0
Idaho	274	290	-5.6%	12	14	225	249	0	1	37	27
Montana	168	203	-17.3%	20	24	147	177	0	0	NM	1
Nevada	424	348	21.7%	0	0	417	345	7	3	NM	0
New Mexico	208	212	-2.2%	11	12	196	200	NM	0	0	0
Utah	90	92	-1.3%	24	25	66	67	0	0	0	0
Wyoming	289	357	-18.9%	129	153	161	203	0	0	0	0
Pacific Contiguous	4,675	4,522	3.4%	606	536	3,754	3,676	94	93	221	217
California	3,376	3,375	0.0%	158	173	3,068	3,055	91	89	60	58
Oregon	547	505	8.4%	89	66	414	384	2	2	42	54
Washington	752	643	17.1%	359	297	272	238	2	2	119	106
Pacific Noncontiguous	113	126	-10.3%	19	18	67	76	18	21	10	12
Alaska	20	20	0.2%	10	9	NM	5	5	5	NM	1
Hawaii	93	107	-12.3%	9	9	62	71	13	15	9	11
U.S. Total	24,891	22,718	9.6%	3,301	2,950	18,981	17,198	278	266	2,331	2,304

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.11.B. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	8,677	8,160	6.3%	735	742	6,653	5,846	167	161	1,123	1,411
Connecticut	681	623	9.3%	0	0	673	606	9	17	0	0
Maine	3,612	3,666	-1.5%	0	0	2,403	2,179	89	78	1,120	1,409
Massachusetts	1,766	1,442	22.5%	64	61	1,673	1,353	27	26	NM	2
New Hampshire	1,718	1,593	7.9%	266	283	1,418	1,278	33	32	0	0
Rhode Island	200	185	8.4%	0	0	194	179	6	6	0	0
Vermont	699	652	7.2%	405	397	292	252	NM	2	0	0
Middle Atlantic	11,559	11,400	1.4%	302	268	9,952	9,862	616	542	689	728
New Jersey	1,534	1,302	17.8%	84	37	1,159	1,029	290	235	NM	1
New York	5,256	5,226	0.6%	219	231	4,641	4,604	196	175	201	216
Pennsylvania	4,770	4,872	-2.1%	0	0	4,152	4,229	130	132	487	512
East North Central	22,661	21,237	6.7%	2,909	2,381	18,107	17,160	219	225	1,426	1,471
Illinois	8,574	8,526	0.6%	11	11	8,559	8,512	NM	3	0	0
Indiana	3,889	3,039	28.0%	260	256	3,557	2,709	17	18	54	57
Michigan	5,898	5,343	10.4%	1,553	999	3,590	3,554	175	163	580	626
Ohio	1,657	1,666	-0.6%	29	23	1,329	1,326	3	8	295	309
Wisconsin	2,644	2,663	-0.7%	1,054	1,091	1,072	1,059	21	33	497	480
West North Central	43,149	41,528	3.9%	13,806	12,138	28,719	28,734	102	128	522	528
Iowa	14,218	13,110	8.4%	8,327	7,095	5,790	5,901	26	29	74	85
Kansas	8,684	8,994	-3.5%	703	740	7,978	8,257	0	0	NM	-4
Minnesota	9,279	9,220	0.6%	1,846	1,865	6,958	6,859	36	54	439	442
Missouri	893	1,020	-12.4%	39	40	825	947	28	31	NM	3
Nebraska	2,603	2,122	22.6%	222	216	2,368	1,892	13	14	0	0
North Dakota	5,425	5,166	5.0%	2,119	1,629	3,300	3,534	0	0	5	2
South Dakota	2,048	1,895	8.1%	549	552	1,499	1,343	0	0	0	0
South Atlantic	18,843	17,862	5.5%	1,754	1,574	8,382	7,713	414	421	8,293	8,154
Delaware	121	112	8.6%	7	5	95	87	6	5	14	14
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,209	4,230	-0.5%	335	248	2,202	2,338	24	29	1,649	1,616
Georgia	3,726	3,526	5.7%	12	0	625	611	25	23	3,064	2,893
Maryland	895	805	11.3%	9	8	774	660	26	21	86	116
North Carolina	3,500	2,819	24.2%	7	6	2,365	1,728	141	146	987	939
South Carolina	1,887	2,060	-8.4%	368	387	296	264	0	0	1,223	1,408
Virginia	3,407	3,161	7.8%	1,017	920	928	876	192	196	1,270	1,169
West Virginia	1,097	1,150	-4.6%	0	0	1,097	1,150	0	0	0	0
East South Central	5,362	4,935	8.6%	76	80	416	349	3	2	4,867	4,503
Alabama	2,778	2,335	19.0%	NM	1	210	202	0	0	2,566	2,132
Kentucky	358	372	-3.8%	73	78	4	5	0	0	280	289
Mississippi	1,228	1,270	-3.3%	0	1	10	11	0	0	1,218	1,258
Tennessee	997	958	4.1%	0	0	191	132	3	2	803	824
West South Central	51,506	48,008	7.3%	1,508	1,631	45,555	41,858	60	49	4,383	4,469
Arkansas	1,237	1,249	-1.0%	0	0	81	79	4	4	1,152	1,167
Louisiana	2,281	2,316	-1.5%	0	0	72	70	0	0	2,208	2,246
Oklahoma	11,260	10,026	12.3%	1,151	1,382	9,856	8,377	0	0	253	266
Texas	36,728	34,417	6.7%	357	249	35,546	33,332	56	45	769	791
Mountain	24,405	24,192	0.9%	2,494	2,644	21,473	21,150	109	65	329	334
Arizona	3,597	3,362	7.0%	474	367	3,102	2,974	21	21	0	0
Colorado	6,288	6,231	0.9%	110	140	6,157	6,077	19	11	NM	3
Idaho	2,506	2,885	-13.1%	120	142	2,072	2,422	0	4	314	318
Montana	1,559	1,539	1.2%	173	187	1,375	1,342	0	0	10	11
Nevada	4,508	3,347	34.7%	0	0	4,439	3,318	67	27	2	2
New Mexico	2,072	2,320	-10.7%	132	86	1,937	2,232	NM	3	0	0
Utah	1,051	1,041	1.0%	216	227	835	814	0	0	0	0
Wyoming	2,824	3,467	-18.5%	1,269	1,495	1,555	1,972	0	0	0	0
Pacific Contiguous	53,827	51,277	5.0%	6,489	6,538	44,285	41,625	928	936	2,125	2,178
California	39,851	36,106	10.4%	1,973	2,007	36,395	32,613	895	906	588	580
Oregon	6,633	7,583	-12.5%	1,130	1,251	5,022	5,786	19	17	462	529
Washington	7,343	7,588	-3.2%	3,386	3,280	2,868	3,225	14	14	1,074	1,069
Pacific Noncontiguous	1,187	1,186	0.1%	165	117	740	771	203	208	80	90
Alaska	172	179	-3.6%	84	84	40	44	44	46	3	5
Hawaii	1,015	1,007	0.8%	80	33	700	727	159	162	76	85
U.S. Total	241,176	229,784	5.0%	30,237	28,112	184,282	175,068	2,822	2,737	23,835	23,867

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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. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	-44	-44	1.1%	0	0	-44	-44	0	0	0	0
Connecticut	0	0	-45.9%	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-45	-44	0.8%	0	0	-45	-44	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	-91	-118	-22.9%	-56	-65	-35	-53	0	0	0	0
New Jersey	-6	-17	-66.0%	-6	-17	0	0	0	0	0	0
New York	-50	-47	6.1%	-50	-47	0	0	0	0	0	0
Pennsylvania	-35	-53	-34.5%	0	0	-35	-53	0	0	0	0
East North Central	-52	-28	85.4%	-52	-28	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	-52	-28	85.4%	-52	-28	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	-13	23	-155.4%	-13	23	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	-13	23	-155.4%	-13	23	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	-229	-243	-5.8%	-229	-243	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-103	-103	0.4%	-103	-103	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	31	-100.0%	0	31	0	0	0	0	0	0
South Carolina	-74	-84	-12.2%	-74	-84	0	0	0	0	0	0
Virginia	-52	-87	-40.7%	-52	-87	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1	-41	-102.1%	1	-41	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	-41	-102.1%	1	-41	0	0	0	0	0	0
West South Central	-6	-6	-2.9%	-6	-6	0	0	0	0	0	0
Arkansas	1	0	100.6%	1	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-7	-7	2.6%	-7	-7	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-21	-28	-23.8%	-21	-28	0	0	0	0	0	0
Arizona	5	-7	-178.2%	5	-7	0	0	0	0	0	0
Colorado	-26	-21	26.9%	-26	-21	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11	37	-69.4%	11	37	0	0	0	0	0	0
California	12	37	-68.9%	12	37	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	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	-443	-448	-1.0%	-364	-351	-79	-97	0	0	0	0

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

Table 1.12.B. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	-416	-385	8.1%	0	0	-416	-385	0	0	0	0
Connecticut	-4	1	-653.6%	0	0	-4	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-412	-386	6.8%	0	0	-412	-386	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	-951	-1,096	-13.2%	-516	-612	-435	-484	0	0	0	0
New Jersey	-151	-184	-17.9%	-151	-184	0	0	0	0	0	0
New York	-365	-428	-14.6%	-365	-428	0	0	0	0	0	0
Pennsylvania	-435	-484	-10.1%	0	0	-435	-484	0	0	0	0
East North Central	-428	-591	-27.6%	-428	-591	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	-428	-591	-27.6%	-428	-591	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	270	12	NM	270	12	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	270	12	NM	270	12	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	-2,423	-2,460	-1.5%	-2,423	-2,460	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	-834	-599	39.1%	-834	-599	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	169	31	440.5%	169	31	0	0	0	0	0	0
South Carolina	-856	-758	12.9%	-856	-758	0	0	0	0	0	0
Virginia	-902	-1,134	-20.4%	-902	-1,134	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-456	-416	9.6%	-456	-416	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	-456	-416	9.6%	-456	-416	0	0	0	0	0	0
West South Central	-37	-30	19.9%	-37	-30	0	0	0	0	0	0
Arkansas	29	66	-56.2%	29	66	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-65	-96	-32.1%	-65	-96	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-161	-151	6.2%	-161	-151	0	0	0	0	0	0
Arizona	77	28	178.3%	77	28	0	0	0	0	0	0
Colorado	-238	-179	32.9%	-238	-179	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	185	-45	-512.3%	185	-45	0	0	0	0	0	0
California	153	-41	-476.8%	153	-41	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	32	-4	-848.1%	32	-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	-4,417	-5,163	-14.4%	-3,566	-4,294	-851	-869	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	154	170	-9.4%	0	0	137	147	NM	10	NM	14
Connecticut	46	49	-6.6%	0	0	46	48	0	2	0	0
Maine	26	40	-36.3%	0	0	9	18	NM	8	NM	14
Massachusetts	78	77	2.3%	0	0	78	77	0	0	0	0
New Hampshire	5	4	3.9%	0	0	5	4	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	195	203	-4.1%	0	2	161	161	34	31	0	9
New Jersey	47	55	-14.4%	0	0	36	34	11	11	0	9
New York	76	84	-9.1%	0	2	59	64	17	18	0	0
Pennsylvania	72	65	11.1%	0	0	66	63	6	2	0	0
East North Central	100	85	18.4%	4	2	13	12	19	21	64	50
Illinois	22	8	175.6%	0	0	0	0	0	0	22	8
Indiana	36	39	-8.7%	0	0	0	0	NM	2	34	37
Michigan	34	34	1.1%	NM	0	13	12	18	19	2	2
Ohio	1	-1	-190.1%	0	0	0	-1	0	0	1	0
Wisconsin	8	5	67.1%	3	2	0	0	0	0	NM	3
West North Central	40	36	11.3%	20	19	12	11	NM	1	NM	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	NM	0	0	0	0	0	0	NM	0
Minnesota	35	34	3.4%	15	16	12	11	NM	1	NM	5
Missouri	3	0	NM	3	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	2	NM	NM	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	365	379	-3.7%	23	0	177	177	18	19	148	183
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	256	243	5.3%	23	0	100	100	0	0	133	143
Georgia	13	7	88.8%	0	0	0	0	0	0	13	7
Maryland	28	25	10.0%	0	0	27	25	NM	0	0	0
North Carolina	28	61	-54.5%	0	0	28	30	0	0	0	31
South Carolina	3	3	28.7%	0	0	NM	0	0	0	3	2
Virginia	38	41	-7.5%	0	0	20	22	18	19	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	4	9	-57.8%	2	6	0	0	0	0	NM	3
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	2	6	-72.3%	2	6	0	0	0	0	0	0
Mississippi	NM	1	NM	0	0	0	0	0	0	NM	1
Tennessee	2	2	-16.3%	0	0	0	0	0	0	2	2
West South Central	113	98	14.5%	0	0	NM	2	0	0	111	96
Arkansas	1	0	697.0%	0	0	0	0	0	0	1	0
Louisiana	31	33	-4.4%	0	0	0	0	0	0	31	33
Oklahoma	NM	0	NM	0	0	0	0	0	0	NM	0
Texas	79	66	19.5%	0	0	NM	2	0	0	77	64
Mountain	52	47	10.0%	NM	1	30	29	0	0	21	16
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	4	NM	0	0	0	0	0	0	NM	3
Idaho	0	6	-100.0%	0	0	0	0	0	0	0	6
Montana	30	29	4.9%	0	0	30	29	0	0	0	0
Nevada	NM	1	NM	NM	1	0	0	0	0	0	0
New Mexico	0	0	-100.0%	0	0	0	0	0	0	0	0
Utah	18	0	NM	0	0	NM	0	0	0	18	0
Wyoming	0	7	-100.0%	0	0	0	0	0	0	0	7
Pacific Contiguous	87	61	42.4%	0	0	28	26	0	0	59	35
California	76	45	69.6%	0	0	18	16	0	0	59	29
Oregon	4	4	3.4%	0	0	4	4	0	0	0	0
Washington	6	12	-48.8%	0	0	6	6	0	0	0	6
Pacific Noncontiguous	14	33	-56.6%	0	17	2	1	13	15	0	0
Alaska	0	0	-100.0%	0	0	0	0	0	0	0	0
Hawaii	14	33	-56.9%	0	17	2	1	13	15	0	0
U.S. Total	1,124	1,122	0.2%	49	48	561	566	94	97	420	411

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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. Utility Scale Facility Net Generation from Other Energy Sources

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	1,566	1,605	-2.5%	0	0	1,364	1,410	85	87	117	108
Connecticut	471	502	-6.0%	0	0	464	486	7	15	0	0
Maine	318	333	-4.5%	0	0	124	153	77	72	117	108
Massachusetts	732	729	0.4%	0	0	732	729	0	0	0	0
New Hampshire	44	41	6.1%	0	0	44	41	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,976	2,028	-2.5%	9	27	1,586	1,556	381	361	0	84
New Jersey	431	524	-17.7%	0	0	311	322	120	117	0	84
New York	774	771	0.4%	9	27	587	582	178	162	0	0
Pennsylvania	771	733	5.2%	0	0	687	652	83	81	0	0
East North Central	986	941	4.8%	44	77	137	117	180	166	625	582
Illinois	226	231	-2.0%	0	0	1	0	0	0	225	231
Indiana	347	325	7.0%	0	29	0	0	15	16	332	280
Michigan	330	337	-2.2%	20	25	128	126	164	150	18	36
Ohio	15	-3	-579.7%	0	0	9	-9	0	0	6	6
Wisconsin	68	52	32.3%	24	23	0	0	0	0	44	29
West North Central	416	383	8.4%	219	196	117	110	29	28	51	50
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	NM	0	0	0	0	0	0	NM	0
Minnesota	340	333	2.4%	147	145	117	110	29	28	48	50
Missouri	48	24	99.7%	48	24	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	25	27	-7.4%	25	27	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,548	3,732	-4.9%	85	0	1,832	1,840	174	179	1,457	1,714
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	2,505	2,432	3.0%	85	0	1,075	1,077	0	0	1,346	1,355
Georgia	74	66	12.0%	0	0	0	0	0	0	74	66
Maryland	264	263	0.6%	0	0	263	262	NM	0	0	0
North Carolina	283	520	-45.6%	0	0	283	258	0	0	0	262
South Carolina	43	34	25.6%	0	0	NM	4	0	0	38	31
Virginia	378	417	-9.3%	0	0	206	239	173	179	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	55	42	33.2%	35	27	0	0	0	0	21	15
Alabama	0	NM	NM	0	0	0	0	0	0	0	NM
Kentucky	35	27	28.8%	35	27	0	0	0	0	0	0
Mississippi	NM	4	NM	0	0	0	0	0	0	NM	4
Tennessee	17	10	64.3%	0	0	0	0	0	0	17	10
West South Central	1,030	661	55.8%	0	0	13	7	0	0	1,017	654
Arkansas	10	10	4.3%	0	0	0	0	0	0	10	10
Louisiana	356	434	-18.0%	0	0	0	0	0	0	356	434
Oklahoma	14	-2	-794.8%	0	0	0	0	0	0	14	-2
Texas	650	219	196.0%	0	0	13	7	0	0	637	212
Mountain	385	505	-23.8%	12	13	269	216	0	0	104	275
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	35	40	-12.3%	0	0	NM	4	0	0	32	36
Idaho	0	63	-100.0%	0	0	0	0	0	0	0	63
Montana	263	209	25.8%	0	0	263	209	0	0	0	0
Nevada	11	13	-9.9%	11	13	0	0	0	0	0	0
New Mexico	NM	1	NM	NM	1	0	0	0	0	0	0
Utah	75	117	-36.4%	0	0	NM	3	0	0	72	114
Wyoming	0	62	-100.0%	0	0	0	0	0	0	0	62
Pacific Contiguous	878	851	3.1%	NM	-1	272	269	0	0	605	583
California	740	708	4.6%	NM	-1	174	178	0	0	566	531
Oregon	39	36	8.4%	0	0	39	36	0	0	0	0
Washington	99	108	-8.2%	0	0	60	55	0	0	39	52
Pacific Noncontiguous	161	335	-51.9%	NM	173	7	6	152	156	0	0
Alaska	NM	-2	NM	NM	-2	0	0	0	0	0	0
Hawaii	159	336	-52.7%	0	175	7	6	152	156	0	0
U.S. Total	11,000	11,083	-0.7%	406	511	5,597	5,531	1,001	976	3,997	4,065

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	222	197	12.5%	25	27	194	167	NM	3	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	128	106	20.3%	0	0	128	106	0	0	0	0
Massachusetts	23	23	0.2%	5	6	14	13	NM	2	NM	0
New Hampshire	40	36	11.1%	0	0	40	36	0	0	0	0
Rhode Island	NM	1	NM	0	0	NM	0	NM	1	0	0
Vermont	31	32	-4.0%	20	20	11	12	0	0	0	0
Middle Atlantic	708	717	-1.4%	0	0	707	717	0	0	NM	0
New Jersey	NM	2	NM	0	0	NM	2	0	0	0	0
New York	389	362	7.5%	0	0	388	362	0	0	NM	0
Pennsylvania	317	354	-10.4%	0	0	317	354	0	0	0	0
East North Central	2,484	1,773	40.1%	329	226	2,150	1,542	NM	0	NM	4
Illinois	1,167	842	38.6%	NM	1	1,165	840	NM	0	0	0
Indiana	517	325	58.9%	0	0	517	325	NM	0	0	0
Michigan	515	355	45.0%	218	128	296	227	0	0	0	0
Ohio	127	100	27.5%	NM	1	123	95	0	0	NM	3
Wisconsin	158	151	4.9%	109	96	49	54	0	0	NM	1
West North Central	4,783	4,387	9.0%	1,621	1,366	3,159	3,019	NM	3	0	0
Iowa	1,699	1,481	14.7%	1,024	818	675	663	NM	0	0	0
Kansas	878	815	7.7%	66	61	813	754	0	0	0	0
Minnesota	907	857	5.8%	179	182	726	673	NM	3	0	0
Missouri	86	101	-14.9%	0	0	86	101	0	0	0	0
Nebraska	268	281	-4.6%	20	21	248	260	0	0	0	0
North Dakota	702	635	10.6%	274	217	428	418	0	0	0	0
South Dakota	243	217	11.9%	59	66	184	151	0	0	0	0
South Atlantic	164	186	-11.8%	0	0	164	186	NM	1	0	0
Delaware	NM	1	NM	0	0	0	0	NM	1	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	42	32	31.3%	0	0	42	32	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	122	154	-20.7%	0	0	122	154	0	0	0	0
East South Central	4	5	-23.5%	0	0	4	5	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	4	5	-23.5%	0	0	4	5	0	0	0	0
West South Central	4,716	3,882	21.5%	110	151	4,604	3,729	NM	3	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	1,057	901	17.3%	91	131	967	771	0	0	0	0
Texas	3,659	2,981	22.7%	19	20	3,637	2,958	NM	3	0	0
Mountain	1,556	1,660	-6.3%	169	203	1,386	1,456	NM	0	NM	0
Arizona	34	21	64.9%	0	0	34	21	0	0	0	0
Colorado	648	633	2.4%	10	12	638	621	0	0	NM	0
Idaho	211	238	-11.5%	11	13	199	224	0	0	0	0
Montana	167	202	-17.4%	20	24	147	177	0	0	0	0
Nevada	18	22	-17.5%	0	0	18	22	0	0	0	0
New Mexico	158	149	5.5%	0	0	157	149	NM	0	0	0
Utah	31	38	-18.0%	0	0	31	38	0	0	0	0
Wyoming	289	357	-18.9%	129	153	161	203	0	0	0	0
Pacific Contiguous	1,699	1,632	4.1%	430	357	1,268	1,275	NM	0	NM	0
California	674	759	-11.1%	31	43	642	715	NM	0	NM	0
Oregon	446	394	13.1%	82	60	364	334	0	0	0	0
Washington	578	480	20.6%	317	254	261	226	0	0	0	0
Pacific Noncontiguous	55	67	-17.6%	10	9	45	58	0	0	0	0
Alaska	15	14	5.8%	10	9	NM	5	0	0	0	0
Hawaii	41	53	-23.6%	0	0	41	53	0	0	0	0
U.S. Total	16,391	14,508	13.0%	2,695	2,338	13,681	12,154	10	11	NM	5

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

Table 1.14.B. Utility Scale Facility Net Generation from Wind

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	1,764	1,662	6.1%	216	207	1,518	1,426	28	27	NM	2
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	974	879	10.8%	0	0	974	879	0	0	0	0
Massachusetts	175	186	-6.0%	47	52	103	111	22	21	NM	2
New Hampshire	339	336	1.0%	0	0	339	336	0	0	0	0
Rhode Island	12	8	44.5%	0	0	NM	2	6	6	0	0
Vermont	265	254	4.5%	169	155	96	98	0	0	0	0
Middle Atlantic	5,789	5,971	-3.0%	0	0	5,786	5,969	0	0	NM	2
New Jersey	18	18	-3.1%	0	0	18	18	0	0	0	0
New York	3,143	3,165	-0.7%	0	0	3,140	3,163	0	0	NM	2
Pennsylvania	2,629	2,787	-5.7%	0	0	2,629	2,787	0	0	0	0
East North Central	17,376	15,830	9.8%	2,392	1,862	14,948	13,930	NM	4	32	34
Illinois	8,052	7,970	1.0%	11	11	8,038	7,956	NM	3	0	0
Indiana	3,382	2,623	28.9%	0	0	3,381	2,622	NM	1	0	0
Michigan	3,753	3,005	24.9%	1,553	999	2,200	2,006	0	0	0	0
Ohio	917	906	1.2%	11	11	879	867	0	0	26	28
Wisconsin	1,272	1,326	-4.1%	816	841	450	479	0	0	NM	6
West North Central	41,219	39,631	4.0%	13,388	11,738	27,806	27,865	25	27	0	0
Iowa	14,002	12,875	8.8%	8,306	7,075	5,694	5,797	NM	3	0	0
Kansas	8,627	8,940	-3.5%	703	740	7,924	8,199	0	0	0	0
Minnesota	7,784	7,773	0.1%	1,528	1,565	6,234	6,183	23	24	0	0
Missouri	787	916	-14.1%	0	0	787	916	0	0	0	0
Nebraska	2,552	2,069	23.4%	184	176	2,368	1,892	0	0	0	0
North Dakota	5,420	5,164	5.0%	2,119	1,629	3,300	3,534	0	0	0	0
South Dakota	2,048	1,895	8.1%	549	552	1,499	1,343	0	0	0	0
South Atlantic	1,422	1,390	2.3%	0	0	1,418	1,386	NM	4	0	0
Delaware	NM	4	NM	0	0	0	0	NM	4	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	325	240	35.2%	0	0	325	240	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	1,093	1,146	-4.6%	0	0	1,093	1,146	0	0	0	0
East South Central	33	40	-17.6%	0	0	33	40	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	33	40	-17.6%	0	0	33	40	0	0	0	0
West South Central	45,881	42,436	8.1%	1,383	1,631	44,472	40,789	26	16	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	10,994	9,747	12.8%	1,150	1,382	9,843	8,365	0	0	0	0
Texas	34,887	32,689	6.7%	232	249	34,629	32,424	26	16	0	0
Mountain	14,813	16,260	-8.9%	1,664	1,953	13,139	14,301	NM	3	NM	3
Arizona	338	385	-12.4%	0	0	338	385	0	0	0	0
Colorado	5,935	5,898	0.6%	110	137	5,819	5,758	NM	0	NM	3
Idaho	1,930	2,318	-16.7%	113	134	1,818	2,184	0	0	0	0
Montana	1,548	1,528	1.3%	173	187	1,375	1,342	0	0	0	0
Nevada	247	240	3.2%	0	0	247	240	0	0	0	0
New Mexico	1,482	1,870	-20.8%	0	0	1,480	1,868	NM	3	0	0
Utah	508	553	-8.1%	0	0	508	553	0	0	0	0
Wyoming	2,824	3,467	-18.5%	1,269	1,495	1,555	1,972	0	0	0	0
Pacific Contiguous	22,014	24,246	-9.2%	4,744	4,913	17,261	19,329	NM	3	NM	1
California	10,661	11,722	-9.1%	647	781	10,005	10,936	NM	3	NM	1
Oregon	5,567	6,467	-13.9%	1,068	1,193	4,499	5,275	0	0	0	0
Washington	5,786	6,057	-4.5%	3,028	2,939	2,758	3,118	0	0	0	0
Pacific Noncontiguous	597	611	-2.3%	84	84	513	528	0	0	0	0
Alaska	124	128	-2.4%	84	84	40	44	0	0	0	0
Hawaii	473	484	-2.3%	0	0	473	484	0	0	0	0
U.S. Total	150,908	148,077	1.9%	23,871	22,387	126,895	125,564	98	83	44	42

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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. Utility Scale Facility Net Generation from Biomass by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	580	620	-6.4%	61	59	420	443	12	14	87	103
Connecticut	69	64	7.7%	0	0	69	62	0	2	0	0
Maine	235	242	-2.9%	0	0	140	131	8	8	87	103
Massachusetts	102	106	-3.3%	0	0	102	106	NM	NM	0	0
New Hampshire	118	148	-20.4%	31	31	84	114	3	3	0	0
Rhode Island	14	15	-3.9%	0	0	14	15	0	0	0	0
Vermont	42	45	-7.0%	30	28	NM	16	NM	0	0	0
Middle Atlantic	493	475	3.8%	26	22	358	353	44	39	65	61
New Jersey	84	89	-5.0%	0	0	71	75	14	14	0	0
New York	208	211	-1.2%	26	22	143	151	19	19	20	17
Pennsylvania	201	176	14.1%	0	0	144	127	11	6	45	44
East North Central	481	444	8.4%	59	32	266	250	24	25	132	137
Illinois	45	32	39.2%	0	0	45	32	0	0	0	0
Indiana	33	34	-5.4%	25	27	NM	0	2	2	6	6
Michigan	198	244	-19.1%	0	0	123	163	19	20	56	62
Ohio	69	30	126.9%	NM	0	40	7	0	0	28	23
Wisconsin	138	103	33.7%	34	5	58	48	4	3	41	46
West North Central	184	167	9.9%	41	42	83	67	9	6	50	52
Iowa	21	24	-11.6%	NM	2	10	11	3	2	7	9
Kansas	6	1	280.7%	0	0	5	2	0	0	NM	0
Minnesota	142	128	10.5%	31	33	67	53	2	0	42	42
Missouri	9	9	5.3%	4	4	NM	2	3	2	NM	0
Nebraska	5	5	8.2%	4	4	0	0	NM	1	0	0
North Dakota	NM	0	NM	0	0	0	0	0	0	NM	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,393	1,502	-7.3%	104	155	445	497	33	31	811	820
Delaware	6	6	-0.1%	0	0	5	5	0	0	NM	1
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	364	388	-6.2%	30	8	162	195	3	3	169	183
Georgia	344	342	0.5%	0	0	33	39	2	2	309	301
Maryland	43	46	-5.6%	0	0	35	33	NM	2	5	11
North Carolina	201	182	10.6%	0	0	91	103	6	3	103	75
South Carolina	150	177	-15.1%	35	40	NM	24	0	0	90	113
Virginia	284	362	-21.4%	39	107	93	98	19	21	133	135
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	509	469	8.6%	7	7	33	31	0	0	469	432
Alabama	272	215	26.6%	NM	0	25	21	0	0	247	194
Kentucky	25	36	-28.8%	7	7	NM	0	0	0	18	29
Mississippi	125	132	-4.8%	0	0	NM	1	0	0	124	131
Tennessee	86	87	-0.3%	0	0	7	9	0	0	79	78
West South Central	530	489	8.4%	18	0	66	49	4	2	442	438
Arkansas	126	129	-2.4%	0	0	10	8	NM	0	116	121
Louisiana	231	224	3.3%	0	0	7	7	0	0	224	217
Oklahoma	27	30	-11.1%	0	0	NM	1	0	0	25	29
Texas	146	106	38.0%	18	0	48	32	3	2	76	72
Mountain	93	83	12.3%	NM	2	53	53	0	1	38	28
Arizona	18	17	8.3%	NM	2	17	15	0	0	0	0
Colorado	NM	11	NM	0	0	NM	11	0	0	0	0
Idaho	55	46	21.3%	NM	1	18	18	0	1	37	27
Montana	NM	1	NM	0	0	0	0	0	0	NM	1
Nevada	NM	2	NM	0	0	NM	2	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	6	6	-2.0%	0	0	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	807	860	-6.2%	60	65	443	497	84	82	220	216
California	550	605	-9.0%	12	16	399	453	80	78	60	57
Oregon	82	92	-10.3%	5	5	34	31	2	2	42	54
Washington	174	163	6.7%	42	43	11	12	2	2	119	106
Pacific Noncontiguous	32	39	-17.1%	5	7	0	0	18	21	10	12
Alaska	5	6	-12.4%	0	0	0	0	5	5	NM	1
Hawaii	27	33	-18.0%	5	7	0	0	13	15	9	11
U.S. Total	5,103	5,149	-0.9%	385	391	2,168	2,240	226	220	2,324	2,298

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

Table 1.15.B. Utility Scale Facility Net Generation from Biomass

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	6,238	6,201	0.6%	502	525	4,482	4,136	133	130	1,120	1,409
Connecticut	662	614	7.9%	0	0	653	596	9	17	0	0
Maine	2,638	2,787	-5.3%	0	0	1,429	1,300	89	78	1,120	1,409
Massachusetts	1,006	997	0.9%	0	0	1,006	996	NM	NM	0	0
New Hampshire	1,379	1,257	9.7%	266	283	1,079	942	33	32	0	0
Rhode Island	177	168	5.1%	0	0	177	168	0	0	0	0
Vermont	376	379	-0.7%	236	242	138	134	NM	2	0	0
Middle Atlantic	4,894	4,851	0.9%	219	231	3,540	3,460	459	442	676	718
New Jersey	804	825	-2.6%	0	0	662	686	142	139	0	0
New York	2,023	1,998	1.3%	219	231	1,413	1,378	193	175	198	214
Pennsylvania	2,067	2,028	1.9%	0	0	1,465	1,396	125	128	478	504
East North Central	4,981	5,228	-4.7%	495	510	2,883	3,062	212	218	1,391	1,438
Illinois	467	512	-9.0%	0	0	466	512	0	0	0	0
Indiana	326	329	-1.0%	250	255	5	0	16	17	54	57
Michigan	2,145	2,338	-8.3%	NM	0	1,390	1,548	175	163	580	626
Ohio	674	713	-5.5%	7	4	401	422	0	5	266	281
Wisconsin	1,370	1,336	2.6%	238	250	620	579	21	33	491	474
West North Central	1,905	1,888	0.9%	418	400	889	859	76	101	522	528
Iowa	216	236	-8.4%	22	21	97	104	23	26	74	85
Kansas	55	54	1.3%	0	0	52	58	0	0	NM	-4
Minnesota	1,492	1,445	3.3%	319	300	722	673	13	29	439	442
Missouri	86	97	-11.0%	39	40	18	24	27	31	NM	3
Nebraska	51	54	-5.7%	38	39	0	0	13	14	0	0
North Dakota	5	2	124.7%	0	0	0	0	0	0	5	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15,376	15,393	-0.1%	1,560	1,388	5,202	5,509	322	341	8,293	8,154
Delaware	64	64	-0.9%	0	0	49	50	0	0	14	14
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,983	4,018	-0.9%	175	81	2,138	2,294	22	27	1,649	1,616
Georgia	3,603	3,422	5.3%	0	0	517	509	22	21	3,064	2,893
Maryland	450	476	-5.3%	0	0	343	342	21	18	86	116
North Carolina	1,983	2,192	-9.5%	0	0	932	1,174	64	79	987	939
South Carolina	1,882	2,056	-8.4%	368	387	291	260	0	0	1,223	1,408
Virginia	3,407	3,161	7.8%	1,017	920	928	876	192	196	1,270	1,169
West Virginia	4	4	1.4%	0	0	4	4	0	0	0	0
East South Central	5,236	4,875	7.4%	76	80	293	292	0	0	4,867	4,503
Alabama	2,778	2,335	19.0%	NM	1	210	202	0	0	2,566	2,132
Kentucky	358	372	-3.8%	73	78	4	5	0	0	280	289
Mississippi	1,228	1,270	-3.3%	0	1	10	11	0	0	1,218	1,258
Tennessee	872	898	-3.0%	0	0	69	74	0	0	803	824
West South Central	5,264	5,332	-1.3%	125	0	726	831	31	31	4,383	4,469
Arkansas	1,237	1,249	-1.0%	0	0	81	79	4	4	1,152	1,167
Louisiana	2,281	2,316	-1.5%	0	0	72	70	0	0	2,208	2,246
Oklahoma	266	279	-4.6%	0	0	13	13	0	0	253	266
Texas	1,481	1,488	-0.5%	125	0	560	670	28	27	769	791
Mountain	896	903	-0.8%	24	27	548	543	0	4	324	329
Arizona	194	189	2.7%	16	17	178	172	0	0	0	0
Colorado	107	108	-1.1%	0	3	107	105	0	0	0	0
Idaho	494	502	-1.6%	7	7	173	174	0	4	314	318
Montana	10	11	-5.2%	0	0	0	0	0	0	10	11
Nevada	20	21	-1.4%	0	0	20	21	0	0	0	0
New Mexico	11	12	-3.7%	0	0	11	12	0	0	0	0
Utah	59	61	-2.7%	0	0	59	61	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,215	8,294	-0.9%	568	550	4,724	4,715	808	856	2,115	2,172
California	5,758	5,814	-1.0%	157	157	4,248	4,257	775	825	579	575
Oregon	901	949	-5.1%	54	53	366	351	19	17	462	529
Washington	1,557	1,531	1.7%	358	340	110	107	14	14	1,074	1,069
Pacific Noncontiguous	330	324	1.9%	47	26	0	0	203	208	80	90
Alaska	48	51	-6.6%	0	0	0	0	44	46	3	5
Hawaii	282	273	3.5%	47	26	0	0	159	162	76	85
U.S. Total	53,335	53,288	0.1%	4,033	3,738	23,288	23,408	2,245	2,331	23,770	23,810

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 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	332	272	22.3%	24	25	308	247	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	6	NM	0	0	NM	6	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	274	217	26.2%	0	0	274	217	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	49	47	3.7%	24	25	25	22	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,025	1,058	-3.1%	74	72	951	986	0	0	0	0
California	1,009	1,042	-3.2%	73	72	936	970	0	0	0	0
Oregon	17	16	0.6%	NM	0	15	16	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	18	15	21.5%	0	0	18	15	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	18	15	21.5%	0	0	18	15	0	0	0	0
U.S. Total	1,376	1,345	2.3%	98	97	1,278	1,248	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.B. Utility Scale Facility Net Generation from Geothermal

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	3,334	2,724	22.4%	216	227	3,118	2,497	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	81	64	26.4%	0	0	81	64	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,777	2,227	24.7%	0	0	2,777	2,227	0	0	0	0
New Mexico	11	7	55.5%	0	0	11	7	0	0	0	0
Utah	465	426	9.1%	216	227	249	199	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	10,493	10,197	2.9%	682	703	9,811	9,493	0	0	0	0
California	10,356	10,051	3.0%	681	703	9,675	9,348	0	0	0	0
Oregon	137	145	-5.8%	NM	0	136	145	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	192	219	-12.3%	0	0	192	219	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	192	219	-12.3%	0	0	192	219	0	0	0	0
U.S. Total	14,020	13,139	6.7%	899	931	13,121	12,209	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	131	96	35.9%	57	39	74	57	NM	1	55	37	NM	39	NM	0	45	38	3	3	0	0	3	3	26	16
Connecticut	NM	10	NM	NM	1	14	9	0	0	NM	1	6	4	0	0	6	4	1	0	0	0	1	0	7	4
Maine	1	1	56.9%	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	NM	0	0	0	NM	1	1
Massachusetts	101	78	30.0%	49	34	52	44	NM	1	47	32	NM	33	NM	0	36	32	2	2	0	0	2	2	13	9
New Hampshire	2	1	84.8%	0	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Rhode Island	NM	2	NM	NM	1	1	1	0	0	NM	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Vermont	9	5	81.8%	5	3	4	2	0	0	5	3	1	1	0	0	1	1	0	0	0	0	0	0	3	2
Middle Atlantic	218	171	27.6%	76	45	142	125	7	3	55	34	97	88	13	8	84	80	NM	9	NM	1	9	8	48	37
New Jersey	148	121	22.6%	60	36	88	85	7	3	41	26	74	69	12	8	62	61	NM	5	NM	0	5	5	21	19
New York	47	30	58.6%	9	5	38	25	0	0	9	5	NM	12	NM	0	16	12	1	0	0	0	1	0	21	12
Pennsylvania	22	20	11.3%	6	4	16	16	0	0	5	3	NM	7	NM	0	7	7	NM	4	NM	1	4	4	6	6
East North Central	41	33	27.4%	27	21	14	12	3	1	24	19	NM	9	NM	0	10	9	NM	1	NM	0	1	1	4	3
Illinois	7	6	4.5%	5	5	2	1	NM	0	5	5	1	1	0	0	1	1	NM	NM	0	0	NM	NM	1	0
Indiana	18	11	59.8%	17	11	1	1	NM	0	15	10	1	0	0	0	1	0	NM	NM	0	0	NM	NM	0	0
Michigan	3	2	6.2%	0	0	3	2	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Ohio	12	11	13.5%	5	5	7	5	NM	1	4	4	NM	5	NM	0	5	4	NM	0	NM	0	0	0	1	1
Wisconsin	NM	2	NM	NM	0	2	2	0	0	NM	0	1	1	0	0	1	1	NM	0	0	0	NM	0	1	1
West North Central	NM	16	NM	NM	1	17	15	0	0	NM	1	NM	9	NM	0	10	9	0	0	0	0	0	0	7	6
Iowa	3	2	29.6%	0	0	3	2	0	0	0	0	2	1	0	0	2	1	0	0	0	0	0	0	1	1
Kansas	NM	0	NM	NM	0	0	0	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	NM	2	NM	NM	0	2	1	0	0	NM	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Missouri	NM	12	NM	NM	1	12	10	0	0	NM	1	NM	6	NM	0	7	6	0	0	0	0	0	0	5	4
Nebraska	0	0	37.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM	0	0	0	NM	0	0	0
North Dakota	0	0	-12.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	2.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	246	170	44.1%	186	124	60	47	8	8	170	106	45	41	7	9	37	32	2	1	0	0	2	1	21	14
Delaware	10	10	-5.2%	5	5	5	5	NM	1	4	5	NM	3	NM	0	3	3	0	0	0	0	0	0	1	1
District of Columbia	2	2	2.1%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Florida	25	21	21.0%	12	12	13	9	5	6	6	6	NM	4	NM	0	7	4	0	0	0	0	0	0	6	4
Georgia	17	17	0.4%	10	11	7	7	NM	0	9	10	NM	6	NM	0	6	6	0	0	0	0	0	0	0	0
Maryland	33	24	40.5%	12	7	22	17	NM	1	10	6	NM	11	NM	0	12	11	1	0	0	0	1	0	9	6
North Carolina	154	94	64.7%	147	88	7	6	NM	1	140	79	12	13	6	8	6	5	0	0	0	0	0	0	2	1
South Carolina	NM	1	NM	NM	1	1	0	0	0	NM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia	3	2	40.7%	0	0	3	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
West Virginia	0	0	22.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East South Central	14	8	68.2%	8	2	6	6	0	0	7	2	NM	6	NM	0	6	6	0	0	0	0	0	0	0	0
Alabama	0	0	2.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	1	1	10.3%	0	0	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Mississippi	0	0	3.8%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM
Tennessee	12	7	80.8%	8	2	5	5	0	0	7	2	NM	5	NM	0	5	5	0	0	0	0	0	0	0	0
West South Central	68	59	14.5%	36	37	32	22	0	0	35	37	NM	6	NM	0	8	6	0	0	0	0	0	0	24	16
Arkansas	0	0	11.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	14	9	57.1%	0	0	14	9	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	14	9
Oklahoma	1	0	180.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	52	49	5.9%	35	37	17	12	0	0	35	37	NM	5	NM	0	7	5	0	0	0	0	0	0	10	7
Mountain	579	518	11.9%	415	383	164	134	51	50	354	327	75	66	10	6	65	60	NM	9	NM	0	12	9	87	66
Arizona	313	284	10.4%	219	203	94	81	40	38	178	163	36	36	2	2	34	34	10	7	0	0	10	7	49	40
Colorado	55	52	6.4%	21	21	34	31	0	0	20	20	NM	16	NM	1	16	15	0	0	0	0	0	0	18	16
Idaho	1	0	54.9%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	1	1	-27.5%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nevada	139	106	31.4%	123	99	16	7	0	0	116	95	13	7	7	3	6	4	NM	1	NM	0	1	1	9	3
New Mexico	59	71	-16.4%	48	61	12	10	11	12	36	49	6	6	0	0	6	6	0	0	0	0	0	0	6	4
Utah	11	4	182.9%	4	0	7	4	0	0	4	0	2	2	0	0	2	2	1	0	0	0	1	0	4	2
Wyoming	0	0	16.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Contiguous	1,458	1,183	23.2%	999	826	459	357	42	42	946	773	128	109	10	11	118	98	NM	62	NM	0	74	62	267	196
California	1,444	1,172	23.2%	996	824	448	348	41	41	944	771	124	106	10	11	114	95	NM	62	NM	0	74	62	260	192
Oregon	10	9	11.1%	2	2	7	6	NM	1	NM	2	4	3	0	0	4	3	0	0	0	0	0	0	4	3
Washington	4	3	57.1%	0	0	4	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	3	2
Pacific Noncontiguous	57	49	16.7%	7	5	50	44	4	2	3	3	19	18	0	0	19	18	0	0	0	0	0	0	32	26
Alaska	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	57	49	16.7%	7	5	50	44	4	2	3	3	19	18	0	0	19	18	0	0	0	0	0	0	32	26
U.S. Total	2,830	2,303	22.9%	1,813	1,484	1,018	819	117	107	1,652	1,339	444	390	42	36	402	355	NM	84	NM	1	101	83	514	382

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.17.B. Net Generation from Solar Photovoltaic
by State, by Sector, Year-to-Date through October 2015 and 2014 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	1,508	880	71.3%	675	296	833	584	17	10	653	282	538	395	5	4	533	391	35	30	0	0	35	30	265	164
Connecticut	163	100	62.7%	19	10	143	90	0	0	19	10	67	49	0	0	67	49	7	5	0	0	7	5	69	36
Maine	14	10	40.4%	0	0	14	10	0	0	0	0	4	3	0	0	4	3	0	0	0	0	0	0	10	7
Massachusetts	1,184	692	71.1%	586	258	598	434	17	10	564	244	435	324	5	4	430	319	27	24	0	0	27	24	141	91
New Hampshire	18	11	63.6%	0	0	18	11	0	0	0	0	5	4	0	0	5	4	1	1	0	0	1	1	12	7
Rhode Island	24	18	27.5%	12	9	12	10	0	0	12	9	9	9	0	0	9	9	0	0	0	0	0	0	2	1
Vermont	106	49	117.4%	58	20	48	29	0	0	58	20	16	7	0	0	16	7	0	0	0	0	0	0	32	22
Middle Atlantic	2,503	1,990	25.8%	876	578	1,627	1,412	84	37	626	433	1,152	1,031	156	99	995	932	120	103	11	8	109	95	523	385
New Jersey	1,728	1,432	20.6%	712	459	1,015	974	84	37	479	325	873	814	148	96	725	718	59	52	NM	1	58	51	232	204
New York	508	315	61.2%	90	63	418	252	0	0	87	63	193	133	NM	0	190	133	8	4	0	0	8	4	220	115
Pennsylvania	268	242	10.4%	74	56	193	186	0	0	59	45	86	84	6	4	80	80	53	47	9	7	44	40	70	66
East North Central	472	322	46.5%	304	179	168	143	22	9	275	167	125	110	3	3	121	108	10	7	NM	0	7	7	40	29
Illinois	77	60	27.0%	55	44	22	17	NM	0	54	44	15	13	0	0	15	13	0	0	0	0	0	0	6	4
Indiana	193	96	100.7%	182	88	11	8	11	1	171	86	6	5	0	0	6	5	0	0	0	0	0	0	5	3
Michigan	34	32	8.6%	0	0	34	32	0	0	0	0	25	24	0	0	25	24	1	1	0	0	1	1	9	7
Ohio	142	112	27.0%	66	47	77	65	10	8	49	36	63	54	3	3	60	51	9	6	NM	0	6	6	11	8
Wisconsin	26	22	18.5%	NM	1	25	21	0	0	NM	1	15	14	0	0	15	14	0	0	0	0	0	0	9	7
West North Central	212	145	46.1%	25	9	187	136	0	0	24	9	111	78	NM	0	110	78	3	2	0	0	3	2	74	56
Iowa	31	18	72.2%	0	0	31	18	0	0	0	0	20	12	0	0	20	12	1	0	0	0	1	0	10	6
Kansas	6	3	134.5%	NM	0	4	3	0	0	NM	0	2	1	0	0	2	1	0	0	0	0	0	0	2	1
Minnesota	25	19	35.9%	3	2	23	16	0	0	3	2	12	9	0	0	12	9	1	1	0	0	1	1	9	7
Missouri	147	104	41.4%	20	7	127	97	0	0	19	7	76	55	NM	0	75	55	1	0	0	0	1	0	51	42
Nebraska	1	1	39.2%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	-4.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	31.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	2,564	1,469	74.5%	1,944	969	620	500	94	75	1,762	818	492	431	89	76	403	355	16	9	0	0	16	9	201	136
Delaware	110	96	15.0%	54	44	56	52	7	5	45	37	41	39	NM	2	39	38	3	3	0	0	3	3	14	12
District of Columbia	23	22	6.0%	0	0	23	22	0	0	0	0	17	16	0	0	17	16	0	0	0	0	0	0	7	6
Florida	255	187	36.2%	126	102	129	85	59	56	64	44	72	45	NM	2	70	44	2	0	0	0	2	0	57	40
Georgia	198	177	11.6%	123	104	75	73	12	0	108	102	73	71	3	2	69	69	1	1	0	0	1	1	4	3
Maryland	344	270	27.7%	120	89	225	181	9	8	106	78	137	126	4	3	133	123	8	5	0	0	8	5	84	53
North Carolina	1,595	689	131.6%	1,517	626	77	62	7	6	1,433	553	139	121	77	68	62	54	1	0	0	0	1	0	14	8
South Carolina	10	7	39.2%	5	4	5	3	0	0	5	4	1	1	0	0	1	1	0	0	0	0	0	0	4	2
Virginia	25	19	33.0%	0	0	25	19	0	0	0	0	11	9	0	0	11	9	0	0	0	0	0	0	13	9
West Virginia	4	3	22.4%	0	0	4	3	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	3	2
East South Central	162	88	84.1%	92	20	70	69	0	0	89	17	70	69	3	2	67	66	0	0	0	0	0	0	3	2
Alabama	3	3	3.7%	0	0	3	3	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	0	0
Kentucky	12	11	9.6%	0	0	12	11	0	0	0	0	10	10	0	0	10	10	0	0	0	0	0	0	2	1
Mississippi	2	2	0.2%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Tennessee	145	72	100.8%	92	20	53	53	0	0	89	17	56	55	3	2	53	53	0	0	0	0	0	0	0	0
West South Central	658	450	46.2%	360	240	297	210	0	0	357	238	83	60	2	2	81	58	0	0	0	0	0	0	217	153
Arkansas	5	4	10.6%	0	0	5	4	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	2	2
Louisiana	126	85	48.5%	0	0	126	85	0	0	0	0	5	3	0	0	5	3	0	0	0	0	0	0	121	81
Oklahoma	3	2	60.6%	0	0	3	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Texas	524	359	45.9%	360	240	164	119	0	0	357	238	76	53	2	2	73	51	0	0	0	0	0	0	91	68
Mountain	6,267	4,928	27.2%	4,622	3,643	1,644	1,285	589	436	3,928	3,146	773	665	103	59	670	607	123	73	2	2	121	71	854	607
Arizona	3,397	3,000	13.3%	2,423	2,235	975	765	457	350	1,944	1,864	381	361	21	21	360	340	102	54	0	0	102	54	513	370
Colorado	598	526	13.7%	247	225	351	301	0	0	232	214	180	161	15	11	165	150	2	2	0	0	2	2	184	150
Idaho	6	4	42.7%	0	0	6	4	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	3	2
Montana	7	10	-27.8%	0	0	7	10	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	5	8
Nevada	1,497	823	81.9%	1,366	750	131	73	0	0	1,297	722	123	67	67	27	56	40	14	13	2	2	12	11	63	22
New Mexico	684	529	29.2%	567	431	117	98	132	86	435	345	61	56	0	0	61	56	1	1	0	0	1	1	54	41
Utah	75	34	123.8%	19	2	56	32	0	0	19	2	22	15	0	0	22	15	4	3	0	0	4	3	30	13
Wyoming	2	2	14.4%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Pacific Contiguous	15,602	10,537	48.1%	11,033	7,116	4,569	3,421	495	371	10,417	6,663	1,324	1,080	117	78	1,207	1,003	747	606	5	4	742	602	2,619	1,816
California	15,437	10,412	48.3%	11,004	7,095	4,432	3,317	488	365	10,395	6,648	1,273	1,035	117	78	1,156	958	744	604	5	4	739	600	2,537	1,760
Oregon	118	94	25.5%	29	21	89	73	7	6	22	15	42	38	0	0	42	38	3	2	0	0	3	2	44	33
Washington	48	31	53.9%	1	1	47	30	1	1	0	0	9	7	0	0	9	7	0	0	0	0	0	0	39	23
Pacific Noncontiguous	586	484	20.9%	68	32	517	452	33	7	35	25	200	188	0	0	200	188	0	0	0	0	0	0	316	264
Alaska	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	586	484	20.9%	68	32	517	452	33	7	35	25	200	188	0	0	200	188	0	0	0	0	0	0	316	264
U.S. Total	30,533	21,294	43.4%	20,001	13,081	10,533	8,212	1,334	945	18,166	11,799	4,867	4,107	479	323	4,388	3,785	1,054	830	21	14	1,033	815	5,111	3,613

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, October 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	0	0	-100.0%	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	-100.0%	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	6	17	-63.6%	6	17	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	6	17	-63.6%	6	17	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	56	71	-20.7%	0	0	56	71	0	0	0	0
Arizona	49	63	-21.1%	0	0	49	63	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	7	8	-17.9%	0	0	7	8	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	146	146	0.3%	0	0	146	146	0	0	0	0
California	146	146	0.3%	0	0	146	146	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	208	233	-10.8%	6	17	202	217	0	0	0	0

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.B. Utility Scale Facility Net Generation from Solar Thermal

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

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	0	1	-100.0%	0	0	0	1	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	1	-100.0%	0	0	0	1	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	100	110	-8.7%	100	110	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	100	110	-8.7%	100	110	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	740	663	11.7%	0	0	740	663	0	0	0	0
Arizona	643	552	16.4%	0	0	643	552	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	98	110	-11.4%	0	0	98	110	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	2,072	1,424	45.5%	0	0	2,072	1,424	0	0	0	0
California	2,072	1,424	45.5%	0	0	2,072	1,424	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	2,913	2,198	32.5%	100	110	2,812	2,088	0	0	0	0

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2005-October 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	853,634	624,235	224,568	202	4,629
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	83,647	61,084	22,129	27	407
February	76,160	55,073	20,699	27	362
March	72,124	51,559	20,147	22	396
April	58,065	41,151	16,541	16	357
May	64,033	47,114	16,521	12	385
June	74,328	55,542	18,365	15	406
July	81,495	60,238	20,821	16	420
August	81,074	60,222	20,422	14	417
Sept	69,127	50,728	17,998	12	389
October	61,129	44,987	15,772	11	359
November	64,651	46,561	17,720	14	356
December	67,799	49,976	17,434	16	373
Year 2015					
January	71,378	51,575	19,435	17	351
February	67,116	48,634	18,119	19	344
March	58,375	43,059	14,935	17	363
April	48,567	36,838	11,440	11	278
May	57,238	43,543	13,361	12	321
June	69,226	51,364	17,476	14	373
July	76,916	57,085	19,420	15	396
August	74,132	54,831	18,883	12	406
Sept	65,088	47,634	17,071	11	372
October	53,994	39,774	13,866	11	344
Year to Date					
2013	717,450	531,962	181,164	424	3,901
2014	721,183	527,698	189,414	171	3,899
2015	642,030	474,337	164,005	140	3,548
Rolling 12 Months Ending in October					
2014	864,462	634,063	225,469	261	4,669
2015	774,481	570,874	199,159	170	4,277

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 2014 and prior years are final. Values for 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-October 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	18,107	978	1,821	861	14,448
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	1,773	114	171	105	1,384
February	1,641	97	167	105	1,271
March	1,722	95	199	96	1,332
April	1,425	81	162	66	1,115
May	1,450	81	146	59	1,164
June	1,413	63	153	63	1,134
July	1,466	78	150	70	1,169
August	1,451	70	149	58	1,175
Sept	1,355	70	121	52	1,113
October	1,359	66	122	47	1,123
November	1,480	76	138	68	1,198
December	1,573	86	142	74	1,271
Year 2015					
January	1,632	91	142	79	1,321
February	1,422	85	121	72	1,143
March	1,510	88	132	71	1,220
April	1,349	68	116	53	1,112
May	1,388	76	143	50	1,120
June	1,343	87	145	50	1,061
July	1,460	83	159	53	1,165
August	1,420	72	144	51	1,154
Sept	1,369	73	144	46	1,105
October	1,263	77	107	50	1,028
Year to Date					
2013	15,104	0	2,002	690	12,411
2014	15,055	815	1,541	720	11,979
2015	14,157	800	1,354	574	11,429
Rolling 12 Months Ending in October					
2014	18,301	815	1,955	872	14,658
2015	17,210	962	1,635	716	13,897

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 2014 and prior years are final. Values for 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-October 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	871,741	625,212	226,389	1,063	19,076
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	85,420	61,198	22,300	132	1,791
February	77,801	55,170	20,866	131	1,633
March	73,846	51,654	20,346	118	1,729
April	59,489	41,232	16,703	82	1,472
May	65,483	47,195	16,667	72	1,549
June	75,741	55,606	18,518	78	1,540
July	82,961	60,316	20,970	85	1,589
August	82,526	60,292	20,571	72	1,591
Sept	70,482	50,798	18,118	64	1,502
October	62,488	45,053	15,895	58	1,482
November	66,131	46,637	17,858	82	1,554
December	69,372	50,062	17,576	90	1,644
Year 2015					
January	73,010	51,666	19,577	96	1,672
February	68,538	48,719	18,240	91	1,488
March	59,885	43,147	15,067	88	1,583
April	49,916	36,906	11,556	64	1,391
May	58,627	43,619	13,504	62	1,441
June	70,569	51,451	17,621	64	1,433
July	78,376	57,168	19,579	68	1,561
August	75,553	54,903	19,027	63	1,560
Sept	66,457	47,707	17,215	58	1,477
October	55,257	39,851	13,973	61	1,372
Year to Date					
2013	732,554	531,962	183,166	1,114	16,312
2014	736,238	528,513	190,955	891	15,879
2015	656,187	475,137	165,359	714	14,977
Rolling 12 Months Ending in October					
2014	882,762	634,878	227,424	1,133	19,327
2015	791,690	571,836	200,794	886	18,174

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 2014 and prior years are final. Values for 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-October 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	31,531	19,652	10,689	451	739
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	10,190	4,468	5,487	112	122
February	3,117	1,879	1,099	58	81
March	3,476	1,917	1,443	43	72
April	1,556	1,283	200	31	42
May	1,647	1,296	274	22	56
June	1,502	1,179	246	27	50
July	1,696	1,308	311	24	53
August	1,751	1,310	372	23	45
Sept	1,645	1,296	274	24	50
October	1,550	1,218	251	28	53
November	1,681	1,230	362	28	60
December	1,721	1,268	368	30	54
Year 2015					
January	3,357	2,099	1,117	55	85
February	8,696	3,655	4,759	163	119
March	1,830	1,265	469	25	71
April	1,552	1,251	227	17	57
May	1,742	1,277	374	20	70
June	1,771	1,410	284	20	57
July	2,043	1,543	422	24	53
August	1,861	1,455	336	22	49
Sept	1,718	1,268	389	16	45
October	1,556	1,237	266	9	44
Year to Date					
2013	19,158	14,049	4,365	266	479
2014	28,129	17,155	9,958	392	624
2015	26,126	16,460	8,643	371	651
Rolling 12 Months Ending in October					
2014	32,203	19,933	11,088	454	727
2015	29,527	18,957	9,374	430	766

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 2014 and prior years are final. Values for 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-October 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	3,099	64	1,170	216	1,650
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	643	45	189	115	294
February	336	5	88	44	199
March	301	7	101	27	165
April	203	0	86	4	114
May	211	1	89	5	116
June	208	1	90	3	114
July	195	1	93	4	97
August	201	1	108	3	89
Sept	173	1	62	2	109
October	208	0	92	2	114
November	220	0	90	4	125
December	200	1	80	4	114
Year 2015					
January	328	9	108	26	185
February	548	46	203	61	238
March	242	1	90	12	139
April	206	0	83	7	116
May	215	0	86	10	118
June	215	1	83	10	121
July	219	0	98	12	109
August	201	1	93	10	97
Sept	240	1	94	9	136
October	219	2	102	8	108
Year to Date					
2013	2,603	0	870	319	1,414
2014	2,680	62	999	208	1,410
2015	2,633	61	1,039	165	1,367
Rolling 12 Months Ending in October					
2014	3,532	62	1,178	387	1,904
2015	3,053	63	1,210	173	1,607

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 2014 and prior years are final. Values for 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-October 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	34,630	19,716	11,859	667	2,389
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	10,833	4,513	5,677	227	416
February	3,453	1,885	1,187	101	280
March	3,776	1,924	1,545	70	237
April	1,760	1,283	286	35	156
May	1,858	1,296	363	27	172
June	1,711	1,180	336	30	164
July	1,890	1,309	404	28	150
August	1,952	1,311	481	26	134
Sept	1,818	1,297	336	26	159
October	1,758	1,219	343	30	166
November	1,900	1,230	453	32	186
December	1,921	1,269	449	34	169
Year 2015					
January	3,685	2,108	1,226	81	270
February	9,244	3,702	4,962	224	357
March	2,072	1,266	559	37	211
April	1,758	1,252	310	24	172
May	1,957	1,278	460	30	189
June	1,986	1,410	367	30	178
July	2,262	1,543	520	36	163
August	2,062	1,456	428	32	146
Sept	1,958	1,268	484	25	181
October	1,775	1,238	368	17	151
Year to Date					
2013	21,761	14,049	5,235	585	1,893
2014	30,809	17,217	10,957	600	2,034
2015	28,758	16,521	9,682	537	2,018
Rolling 12 Months Ending in October					
2014	35,735	19,995	12,266	842	2,632
2015	32,579	19,020	10,584	603	2,373

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 2014 and prior years are final. Values for 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-October 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	4,412	3,440	599	2	371
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	436	349	55	0	32
February	361	275	56	0	30
March	421	332	57	0	31
April	303	212	55	0	36
May	393	314	49	0	30
June	418	339	46	0	33
July	385	299	54	0	33
August	382	298	51	0	33
Sept	372	281	62	0	29
October	230	178	23	0	29
November	288	228	33	0	27
December	424	335	60	0	29
Year 2015					
January	400	312	57	0	30
February	419	332	57	0	31
March	278	195	60	0	23
April	301	213	59	0	29
May	343	260	59	0	23
June	305	233	55	0	17
July	421	333	59	0	28
August	397	311	59	0	27
Sept	381	294	61	0	26
October	306	227	57	0	22
Year to Date					
2013	4,163	2,919	651	1	592
2014	3,700	2,877	507	2	315
2015	3,551	2,710	583	2	256
Rolling 12 Months Ending in October					
2014	4,389	3,367	635	2	385
2015	4,263	3,273	676	2	312

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 2014 and prior years are final. Values for 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-October 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	1,283	3	90	16	1,174
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	105	0	9	2	95
February	93	1	7	1	84
March	106	0	8	2	96
April	116	0	9	2	105
May	110	0	8	1	102
June	109	0	0	0	109
July	114	0	5	0	109
August	112	0	9	2	101
Sept	113	0	9	2	102
October	86	0	9	1	75
November	104	1	9	2	92
December	114	0	9	2	103
Year 2015					
January	140	0	10	2	128
February	135	1	9	2	124
March	147	1	9	2	136
April	120	1	9	1	108
May	101	1	10	0	90
June	116	2	9	0	106
July	104	1	9	0	94
August	104	0	9	2	94
Sept	107	0	8	2	97
October	90	0	8	2	80
Year to Date					
2013	1,278	0	79	8	1,191
2014	1,064	2	71	12	978
2015	1,165	6	90	13	1,056
Rolling 12 Months Ending in October					
2014	1,272	2	89	15	1,166
2015	1,384	7	108	17	1,252

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 2014 and prior years are final. Values for 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-October 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	5,695	3,443	689	18	1,545
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	541	349	63	2	127
February	454	276	63	2	113
March	527	332	65	2	128
April	418	212	64	2	141
May	504	314	57	1	132
June	527	339	46	0	141
July	499	299	58	0	142
August	494	298	59	2	134
Sept	485	281	70	2	131
October	316	178	32	2	104
November	393	229	42	2	120
December	538	335	69	2	132
Year 2015					
January	540	313	67	3	158
February	555	332	65	2	155
March	425	196	69	2	159
April	420	213	68	2	137
May	444	261	69	0	113
June	422	235	64	0	123
July	525	334	68	0	123
August	501	311	68	2	121
Sept	488	294	70	2	122
October	397	227	66	2	102
Year to Date					
2013	5,442	2,919	729	9	1,783
2014	4,764	2,879	578	14	1,293
2015	4,716	2,716	673	15	1,313
Rolling 12 Months Ending in October					
2014	5,661	3,369	724	17	1,551
2015	5,647	3,280	784	19	1,564

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 2014 and prior years are final. Values for 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-October 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	8,544,387	3,895,008	3,954,032	71,957	623,390
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	694,661	324,657	309,522	6,411	54,071
February	579,819	265,645	261,103	5,180	47,892
March	591,101	271,638	263,442	5,292	50,729
April	579,336	270,132	256,256	4,967	47,981
May	680,193	323,448	300,470	5,761	50,513
June	754,126	348,327	349,049	6,119	50,630
July	880,805	393,011	425,395	6,966	55,433
August	935,170	426,346	445,556	7,430	55,839
Sept	805,960	355,962	391,332	6,396	52,270
October	736,039	323,456	356,020	5,939	50,625
November	633,279	288,760	287,096	5,496	51,927
December	673,898	303,627	308,792	5,999	55,480
Year 2015					
January	748,274	342,446	344,333	6,036	55,459
February	677,934	326,486	299,130	5,199	47,119
March	736,302	346,138	335,669	6,171	48,324
April	694,920	329,428	314,756	5,257	45,479
May	769,651	358,615	355,274	6,176	49,586
June	926,080	445,940	421,595	6,184	52,361
July	1,085,365	508,684	514,948	6,764	54,968
August	1,063,043	494,828	506,218	6,934	55,063
Sept	934,539	435,427	440,245	6,420	52,448
October	826,750	382,560	388,708	6,082	49,400
Year to Date					
2013	7,257,653	3,362,153	3,308,553	55,871	531,075
2014	7,237,209	3,302,622	3,358,144	60,461	515,983
2015	8,462,858	3,970,554	3,920,876	61,222	510,206
Rolling 12 Months Ending in October					
2014	8,575,856	3,910,915	3,966,723	71,160	627,059
2015	9,770,035	4,562,941	4,516,764	72,717	617,613

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 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-October 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	865,146	4,926	292,016	46,635	521,569
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	87,362	527	28,175	7,205	51,455
February	68,875	539	23,822	3,527	40,988
March	72,690	476	25,252	3,245	43,717
April	67,023	286	22,224	3,085	41,428
May	67,861	224	22,787	3,272	41,578
June	67,490	274	23,101	3,460	40,656
July	72,370	267	24,630	3,749	43,724
August	74,882	441	25,464	4,031	44,946
Sept	69,772	367	23,285	3,731	42,390
October	71,722	431	23,484	3,776	44,032
November	70,483	534	24,002	3,672	42,274
December	74,615	561	25,790	3,883	44,381
Year 2015					
January	79,982	751	26,698	4,912	47,620
February	73,097	721	24,344	4,545	43,486
March	81,437	586	26,962	4,711	49,178
April	73,509	589	24,045	3,570	45,305
May	74,825	584	24,674	4,260	45,307
June	73,609	637	24,303	4,155	44,514
July	77,618	755	26,623	4,324	45,916
August	80,097	851	26,695	4,461	48,090
Sept	75,138	753	26,028	4,546	43,811
October	75,381	688	24,968	4,244	45,482
Year to Date					
2013	728,653	0	250,238	41,805	436,610
2014	720,048	3,831	242,224	39,079	434,914
2015	764,693	6,916	255,339	43,728	458,710
Rolling 12 Months Ending in October					
2014	873,780	3,831	295,164	48,330	526,455
2015	909,791	8,010	305,131	51,284	545,366

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 2014 and prior years are final. Values for 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-October 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	9,409,532	3,899,934	4,246,048	118,591	1,144,959
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	782,023	325,184	337,697	13,616	105,526
February	648,695	266,184	284,925	8,706	88,880
March	663,791	272,114	288,694	8,537	94,446
April	646,360	270,418	278,481	8,052	89,409
May	748,053	323,672	323,257	9,033	92,091
June	821,616	348,601	372,150	9,580	91,286
July	953,174	393,278	450,025	10,715	99,157
August	1,010,052	426,786	471,019	11,461	100,785
Sept	875,732	356,329	414,618	10,126	94,659
October	807,761	323,887	379,503	9,715	94,657
November	703,762	289,294	311,098	9,169	94,202
December	748,513	304,188	334,581	9,883	99,861
Year 2015					
January	828,256	343,198	371,031	10,948	103,079
February	751,031	327,207	323,474	9,744	90,605
March	817,739	346,724	362,631	10,882	97,502
April	768,429	330,017	338,801	8,827	90,784
May	844,476	359,199	379,948	10,436	94,893
June	999,689	446,577	445,898	10,338	96,875
July	1,162,983	509,440	541,571	11,088	100,885
August	1,143,139	495,679	532,913	11,395	103,153
Sept	1,009,677	436,181	466,272	10,965	96,259
October	902,131	383,248	413,676	10,325	94,882
Year to Date					
2013	7,986,306	3,362,153	3,558,791	97,676	967,685
2014	7,957,257	3,306,453	3,600,368	99,540	950,896
2015	9,227,551	3,977,470	4,176,215	104,949	968,917
Rolling 12 Months Ending in October					
2014	9,449,636	3,914,746	4,261,886	119,490	1,153,514
2015	10,679,826	4,570,951	4,821,894	124,001	1,162,979

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 2014 and prior years are final. Values for 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-October 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	285,982	25,819	228,447	27,038	4,678
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	24,810	2,187	19,717	2,506	401
February	23,764	1,997	19,121	2,289	357
March	24,623	2,107	19,714	2,388	414
April	24,489	2,133	19,679	2,260	416
May	24,111	2,136	19,380	2,190	404
June	24,096	2,173	19,233	2,294	396
July	26,390	2,372	21,117	2,498	404
August	25,163	2,332	20,037	2,403	391
Sept	23,690	2,143	18,898	2,290	359
October	21,697	2,148	17,099	2,092	358
November	20,698	2,030	16,561	1,723	385
December	22,451	2,062	17,892	2,105	393
Year 2015					
January	28,965	2,744	22,794	2,902	525
February	25,117	2,370	19,786	2,499	462
March	27,073	2,541	21,363	2,676	494
April	26,161	2,554	21,447	1,814	346
May	27,377	2,539	22,516	1,933	389
June	26,469	2,636	21,591	1,876	366
July	28,401	2,794	23,182	2,018	407
August	28,019	2,722	22,946	1,962	389
Sept	24,872	2,382	20,314	1,817	359
October	26,970	2,493	21,626	2,368	483
Year to Date					
2013	225,681	22,807	175,677	23,449	3,748
2014	242,832	21,727	193,994	23,211	3,901
2015	269,424	25,773	217,566	21,865	4,221
Rolling 12 Months Ending in October					
2014	289,118	26,179	230,259	27,904	4,775
2015	312,574	29,865	252,018	25,693	4,998

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 2014 and prior years are final. Values for 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-October 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	1,710	176	525	674	335
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	169	20	62	61	25
February	148	18	64	44	23
March	132	19	41	44	27
April	137	19	28	60	30
May	144	19	33	64	29
June	154	17	54	54	29
July	179	14	70	64	30
August	161	15	62	55	30
Sept	140	14	47	51	28
October	101	2	21	53	25
November	112	3	17	64	29
December	132	15	26	61	30
Year 2015					
January	562	17	251	182	112
February	526	15	232	178	101
March	386	17	169	128	72
April	69	17	38	14	0
May	74	18	41	15	0
June	69	18	35	16	0
July	93	19	49	23	2
August	82	18	40	22	2
Sept	66	16	35	15	0
October	266	17	130	68	51
Year to Date					
2013	718	0	249	348	121
2014	1,465	158	482	549	276
2015	2,193	172	1,020	661	340
Rolling 12 Months Ending in October					
2014	1,578	158	494	625	301
2015	2,438	190	1,063	786	399

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-October 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	287,692	25,995	228,971	27,713	5,013
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	24,980	2,207	19,779	2,567	426
February	23,912	2,014	19,185	2,334	379
March	24,755	2,126	19,755	2,432	442
April	24,625	2,152	19,708	2,320	446
May	24,255	2,155	19,413	2,254	433
June	24,250	2,190	19,287	2,348	425
July	26,569	2,386	21,187	2,561	434
August	25,324	2,347	20,099	2,458	421
Sept	23,830	2,158	18,944	2,341	387
October	21,798	2,150	17,119	2,145	383
November	20,811	2,033	16,578	1,786	414
December	22,584	2,077	17,918	2,166	423
Year 2015					
January	29,527	2,761	23,045	3,084	637
February	25,644	2,385	20,018	2,677	563
March	27,459	2,558	21,532	2,803	566
April	26,230	2,571	21,485	1,828	346
May	27,451	2,556	22,557	1,948	389
June	26,538	2,653	21,627	1,892	366
July	28,495	2,813	23,232	2,041	409
August	28,101	2,739	22,986	1,984	391
Sept	24,938	2,398	20,349	1,832	359
October	27,236	2,510	21,756	2,436	534
Year to Date					
2013	226,399	22,807	175,926	23,797	3,869
2014	244,297	21,885	194,476	23,760	4,176
2015	271,618	25,944	218,586	22,526	4,561
Rolling 12 Months Ending in October					
2014	290,696	26,336	230,754	28,530	5,077
2015	315,012	30,055	253,081	26,478	5,398

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 2014 and prior years are final. Values for 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-October 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	16,706	444	13,809	2,447	6
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	1,381	28	1,131	221	0
February	1,205	24	1,014	166	0
March	1,390	38	1,165	187	0
April	1,371	44	1,127	200	0
May	1,455	42	1,200	214	1
June	1,418	40	1,170	207	1
July	1,489	44	1,224	220	1
August	1,469	38	1,210	220	1
Sept	1,384	38	1,141	205	1
October	1,374	40	1,133	200	0
November	1,373	32	1,139	201	0
December	1,397	36	1,155	205	1
Year 2015					
January	1,293	31	1,068	194	1
February	1,137	24	944	168	1
March	1,230	28	1,010	192	1
April	1,241	41	1,020	180	0
May	1,297	45	1,076	176	0
June	1,322	44	1,104	175	0
July	1,451	104	1,154	194	0
August	1,386	101	1,105	181	0
Sept	1,282	97	1,002	183	0
October	1,289	94	1,021	174	1
Year to Date					
2013	14,129	382	11,670	2,070	7
2014	13,936	376	11,514	2,041	5
2015	12,928	608	10,502	1,815	3
Rolling 12 Months Ending in October					
2014	16,814	451	13,901	2,456	6
2015	15,698	676	12,797	2,221	4

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 2014 and prior years are final. Values for 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-October 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	1,955	0	650	1,104	200
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	203	0	59	126	17
February	140	0	49	76	15
March	154	0	52	86	15
April	155	0	58	82	15
May	166	0	57	92	18
June	163	0	57	90	16
July	164	0	54	93	17
August	161	0	47	92	22
Sept	157	0	48	92	18
October	165	0	56	93	17
November	158	0	55	88	15
December	169	0	59	93	17
Year 2015					
January	170	0	68	89	14
February	129	0	48	71	10
March	164	0	60	89	14
April	161	0	54	91	16
May	157	0	48	93	16
June	143	0	45	83	15
July	160	0	54	90	16
August	146	0	51	81	14
Sept	149	0	48	86	15
October	159	0	57	87	15
Year to Date					
2013	1,565	0	423	984	157
2014	1,628	0	537	923	169
2015	1,538	0	533	860	144
Rolling 12 Months Ending in October					
2014	1,928	0	631	1,098	199
2015	1,864	0	646	1,042	176

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 2014 and prior years are final. Values for 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-October 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	18,661	444	14,459	3,551	206
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	1,584	28	1,190	347	18
February	1,345	24	1,063	242	15
March	1,544	38	1,217	273	16
April	1,526	44	1,184	283	15
May	1,622	42	1,256	306	18
June	1,581	40	1,227	297	17
July	1,653	44	1,279	313	18
August	1,629	38	1,257	312	22
Sept	1,541	38	1,188	297	18
October	1,540	40	1,189	293	17
November	1,531	32	1,194	289	15
December	1,566	36	1,214	299	17
Year 2015					
January	1,463	31	1,135	282	15
February	1,266	24	992	239	11
March	1,393	28	1,070	281	14
April	1,401	41	1,074	270	16
May	1,453	45	1,123	269	16
June	1,465	44	1,149	258	15
July	1,611	104	1,208	284	16
August	1,532	101	1,156	261	14
Sept	1,431	97	1,050	269	15
October	1,448	94	1,078	261	16
Year to Date					
2013	15,694	382	12,093	3,054	164
2014	15,564	376	12,051	2,964	173
2015	14,466	608	11,035	2,675	147
Rolling 12 Months Ending in October					
2014	18,742	451	14,532	3,555	205
2015	17,562	676	13,443	3,263	180

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 2014 and prior years are final. Values for 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, October 2015 and October 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	82	2	NM	9	2	72	0	0	0	NM	0
Connecticut	7	0	--	0	0	7	0	0	0	0	0
Maine	2	1	108.0%	0	0	1	0	0	0	0	0
Massachusetts	65	0	NM	0	0	64	0	0	0	NM	0
New Hampshire	9	2	437.0%	9	2	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,867	2,344	-20.0%	0	0	1,848	2,326	NM	0	19	18
New Jersey	40	43	-7.4%	0	0	40	43	0	0	0	0
New York	54	74	-27.0%	0	0	49	68	0	0	5	6
Pennsylvania	1,774	2,227	-20.0%	0	0	1,759	2,215	NM	0	14	12
East North Central	12,560	13,742	-8.6%	8,213	8,539	4,269	5,128	2	1	75	74
Illinois	3,231	3,933	-18.0%	299	463	2,882	3,421	NM	1	49	49
Indiana	2,946	3,563	-17.0%	2,692	3,297	253	265	NM	0	NM	0
Michigan	2,390	2,235	6.9%	2,366	2,209	18	17	1	0	5	9
Ohio	2,274	2,587	-12.0%	1,154	1,158	1,116	1,425	NM	NM	4	4
Wisconsin	1,719	1,424	21.0%	1,702	1,412	0	0	NM	0	17	11
West North Central	9,474	10,382	-8.7%	9,345	10,243	NM	1	4	4	124	134
Iowa	1,149	1,614	-29.0%	1,081	1,546	0	0	NM	2	66	66
Kansas	1,155	1,299	-11.0%	1,155	1,299	0	0	0	0	0	0
Minnesota	1,128	1,271	-11.0%	1,098	1,235	0	0	0	0	30	36
Missouri	2,966	2,901	2.3%	2,962	2,896	NM	1	2	2	NM	2
Nebraska	1,188	1,285	-7.5%	1,166	1,262	0	0	0	0	22	23
North Dakota	1,755	1,877	-6.5%	1,750	1,869	0	0	0	0	NM	7
South Dakota	134	136	-1.7%	134	136	0	0	0	0	0	0
South Atlantic	6,207	7,952	-22.0%	5,463	6,891	701	1,015	NM	1	42	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	1,512	1,716	-12.0%	1,478	1,657	29	54	0	0	NM	5
Georgia	977	1,080	-9.5%	974	1,073	0	0	0	0	NM	8
Maryland	323	416	-22.0%	0	0	321	413	0	0	2	3
North Carolina	819	1,233	-34.0%	788	1,225	NM	4	1	0	NM	4
South Carolina	573	723	-21.0%	569	720	0	0	0	0	NM	3
Virginia	546	605	-9.8%	506	589	31	9	NM	1	8	6
West Virginia	1,458	2,180	-33.0%	1,149	1,628	294	535	0	0	15	17
East South Central	4,834	5,839	-17.0%	4,690	5,819	124	0	0	0	20	20
Alabama	1,588	1,647	-3.6%	1,584	1,645	0	0	0	0	NM	2
Kentucky	2,365	2,847	-17.0%	2,365	2,847	0	0	0	0	0	0
Mississippi	148	312	-53.0%	23	312	124	0	0	0	0	0
Tennessee	734	1,032	-29.0%	717	1,015	0	0	0	0	16	18
West South Central	9,935	11,256	-12.0%	4,637	5,622	5,282	5,617	0	0	NM	17
Arkansas	915	1,474	-38.0%	793	1,211	121	262	0	0	1	1
Louisiana	703	817	-14.0%	482	542	221	274	0	0	0	0
Oklahoma	1,374	1,314	4.5%	1,223	1,182	136	117	0	0	NM	15
Texas	6,943	7,651	-9.3%	2,140	2,687	4,803	4,964	0	0	0	0
Mountain	8,262	8,787	-6.0%	7,180	7,625	1,041	1,119	0	0	41	44
Arizona	1,709	1,950	-12.0%	1,709	1,950	0	0	0	0	0	0
Colorado	1,162	1,296	-10.0%	1,160	1,295	NM	0	0	0	NM	0
Idaho	NM	2	NM	0	0	0	0	0	0	NM	2
Montana	961	991	-3.0%	NM	9	939	981	0	0	NM	1
Nevada	119	234	-49.0%	81	167	38	67	0	0	0	0
New Mexico	988	905	9.2%	988	905	0	0	0	0	0	0
Utah	1,172	1,227	-4.5%	1,128	1,175	NM	29	0	0	20	23
Wyoming	2,149	2,183	-1.6%	2,092	2,124	NM	41	0	0	19	18
Pacific Contiguous	656	719	-8.7%	205	232	447	480	0	0	4	7
California	6	17	-64.0%	0	0	NM	11	0	0	4	6
Oregon	205	232	-12.0%	205	232	0	0	0	0	0	0
Washington	445	470	-5.3%	0	0	444	469	0	0	1	1
Pacific Noncontiguous	118	104	13.0%	32	14	81	85	3	4	NM	1
Alaska	51	38	35.0%	32	14	NM	20	3	4	0	0
Hawaii	67	67	0.4%	0	0	65	65	0	0	NM	1
U.S. Total	53,994	61,129	-12.0%	39,774	44,987	13,866	15,772	11	11	344	359

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.7.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through October 2015 and October 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	1,608	1,924	-16.0%	394	439	1,203	1,474	0	0	12	11
Connecticut	359	420	-15.0%	0	0	359	420	0	0	0	0
Maine	19	16	22.0%	0	0	12	9	0	0	7	7
Massachusetts	837	1,049	-20.0%	0	0	833	1,046	0	0	4	4
New Hampshire	394	439	-10.0%	394	439	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	29,024	35,133	-17.0%	0	0	28,818	34,909	2	4	204	220
New Jersey	666	953	-30.0%	0	0	666	953	0	0	0	0
New York	1,020	2,053	-50.0%	0	0	964	1,996	0	0	56	57
Pennsylvania	27,337	32,127	-15.0%	0	0	27,187	31,960	2	4	148	163
East North Central	143,480	160,178	-10.0%	90,862	99,986	51,810	59,304	37	48	771	840
Illinois	38,488	43,069	-11.0%	4,436	4,776	33,537	37,769	12	13	502	512
Indiana	34,126	41,368	-18.0%	31,799	39,064	2,314	2,286	9	14	4	4
Michigan	25,022	25,146	-0.5%	24,755	24,857	192	174	15	19	60	97
Ohio	27,287	32,582	-16.0%	11,475	13,451	15,767	19,076	1	1	45	55
Wisconsin	18,557	18,012	3.0%	18,398	17,839	0	0	NM	0	160	173
West North Central	107,832	114,983	-6.2%	106,544	113,497	13	16	42	59	1,232	1,411
Iowa	15,954	17,001	-6.2%	15,276	16,288	0	0	25	31	654	682
Kansas	14,075	15,508	-9.2%	14,075	15,508	0	0	0	0	0	0
Minnesota	12,582	13,629	-7.7%	12,280	13,293	0	0	3	9	299	328
Missouri	32,942	36,066	-8.7%	32,901	36,010	13	16	15	20	13	20
Nebraska	12,534	12,942	-3.2%	12,322	12,617	0	0	0	0	213	326
North Dakota	19,009	18,347	3.6%	18,955	18,292	0	0	0	0	54	55
South Dakota	734	1,489	-51.0%	734	1,489	0	0	0	0	0	0
South Atlantic	93,349	107,131	-13.0%	81,726	93,107	11,146	13,500	25	20	451	503
Delaware	264	391	-33.0%	0	0	264	391	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	16,530	19,118	-14.0%	16,063	18,541	421	535	0	0	46	42
Georgia	17,632	19,989	-12.0%	17,587	19,903	0	0	0	0	45	86
Maryland	5,570	6,553	-15.0%	0	0	5,538	6,511	5	7	27	35
North Carolina	14,478	16,779	-14.0%	14,146	16,400	278	326	12	5	43	48
South Carolina	8,219	10,015	-18.0%	8,169	9,967	0	0	0	0	50	48
Virginia	6,637	7,696	-14.0%	6,121	7,098	435	514	NM	8	74	75
West Virginia	24,019	26,590	-9.7%	19,640	21,199	4,212	5,223	0	0	167	168
East South Central	66,079	74,746	-12.0%	63,177	72,269	2,692	2,257	0	3	209	217
Alabama	18,405	20,622	-11.0%	18,366	20,593	0	0	0	0	39	29
Kentucky	29,988	32,608	-8.0%	29,988	32,608	0	0	0	0	0	0
Mississippi	4,320	5,874	-26.0%	1,627	3,617	2,692	2,257	0	0	0	0
Tennessee	13,365	15,642	-15.0%	13,195	15,451	0	0	0	3	171	189
West South Central	110,066	130,467	-16.0%	54,411	66,480	55,503	63,813	0	0	152	175
Arkansas	11,497	16,604	-31.0%	9,531	14,745	1,955	1,847	0	0	12	12
Louisiana	9,317	10,677	-13.0%	5,581	4,769	3,736	5,908	0	0	0	0
Oklahoma	13,997	16,150	-13.0%	12,876	14,967	980	1,020	0	0	140	162
Texas	75,255	87,036	-14.0%	26,423	31,998	48,832	55,038	0	0	0	0
Mountain	85,954	90,183	-4.7%	76,011	80,229	9,507	9,508	0	0	436	445
Arizona	16,914	19,327	-12.0%	16,914	19,327	0	0	0	0	0	0
Colorado	14,684	14,998	-2.1%	14,664	14,975	NM	20	0	0	NM	4
Idaho	13	15	-8.6%	0	0	0	0	0	0	13	15
Montana	8,679	8,244	5.3%	229	230	8,446	8,008	0	0	4	6
Nevada	1,309	3,053	-57.0%	906	2,400	403	653	0	0	0	0
New Mexico	9,826	9,882	-0.6%	9,826	9,882	0	0	0	0	0	0
Utah	12,458	12,642	-1.5%	11,972	12,019	252	374	0	0	234	250
Wyoming	22,069	22,022	0.2%	21,501	21,397	388	454	0	0	181	171
Pacific Contiguous	3,648	5,420	-33.0%	994	1,503	2,591	3,855	0	0	63	61
California	79	279	-72.0%	0	0	NM	227	0	0	55	52
Oregon	994	1,503	-34.0%	994	1,503	0	0	0	0	0	0
Washington	2,574	3,638	-29.0%	0	0	2,567	3,628	0	0	7	10
Pacific Noncontiguous	992	1,017	-2.5%	218	188	722	777	34	37	NM	16
Alaska	422	401	5.2%	218	188	170	176	34	37	0	0
Hawaii	570	617	-7.6%	0	0	552	601	0	0	NM	16
U.S. Total	642,030	721,183	-11.0%	474,337	527,698	164,005	189,414	140	171	3,548	3,899

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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, October 2015 and October 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	35	19	84.0%	5	2	24	9	NM	8	2	1
Connecticut	7	3	126.0%	1	0	5	3	NM	0	NM	0
Maine	14	6	126.0%	NM	0	13	5	NM	1	1	1
Massachusetts	NM	8	NM	1	1	NM	1	NM	7	NM	0
New Hampshire	NM	1	NM	2	1	NM	1	NM	0	NM	0
Rhode Island	NM	NM	NM	2	0	0	0	NM	NM	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	90	49	83.0%	29	16	53	27	NM	1	6	6
New Jersey	6	1	341.0%	NM	NM	6	1	NM	0	NM	0
New York	41	25	65.0%	29	15	NM	4	NM	0	3	5
Pennsylvania	42	23	87.0%	NM	0	39	22	NM	0	2	1
East North Central	66	71	-8.0%	45	53	18	16	NM	NM	2	2
Illinois	7	9	-22.0%	2	3	5	6	NM	0	NM	0
Indiana	18	20	-9.7%	16	18	NM	0	NM	0	2	1
Michigan	12	15	-19.0%	12	15	0	0	0	0	NM	0
Ohio	23	20	12.0%	9	10	14	10	NM	0	0	0
Wisconsin	6	7	-19.0%	6	7	NM	0	NM	NM	NM	0
West North Central	36	56	-36.0%	33	55	NM	1	NM	0	NM	0
Iowa	6	8	-25.0%	6	8	NM	0	NM	0	NM	0
Kansas	4	7	-36.0%	4	7	0	0	0	0	0	0
Minnesota	NM	4	NM	4	3	NM	1	NM	0	NM	0
Missouri	9	12	-21.0%	9	12	NM	0	NM	0	0	0
Nebraska	NM	19	NM	NM	19	0	0	0	0	0	0
North Dakota	4	5	-31.0%	4	5	0	0	NM	0	NM	0
South Dakota	2	1	146.0%	2	1	NM	0	NM	0	0	0
South Atlantic	183	184	-0.7%	142	107	27	45	NM	18	13	14
Delaware	NM	0	NM	NM	0	NM	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	68	48	43.0%	67	46	NM	0	0	0	NM	2
Georgia	9	17	-48.0%	4	6	NM	1	NM	0	5	10
Maryland	18	25	-26.0%	2	0	16	6	NM	18	0	0
North Carolina	21	15	39.0%	19	14	NM	0	NM	0	NM	1
South Carolina	19	10	77.0%	14	9	NM	0	NM	0	4	1
Virginia	29	51	-42.0%	18	13	9	37	NM	0	3	1
West Virginia	18	18	-5.1%	18	18	0	0	0	0	0	0
East South Central	32	39	-20.0%	30	37	0	0	NM	0	NM	2
Alabama	NM	5	NM	3	3	NM	0	0	0	NM	2
Kentucky	13	15	-13.0%	13	15	0	0	0	0	0	0
Mississippi	0	3	-85.0%	NM	3	0	0	0	0	0	0
Tennessee	13	16	-17.0%	13	16	NM	0	NM	0	NM	0
West South Central	33	22	52.0%	20	10	12	11	NM	0	1	1
Arkansas	8	4	114.0%	7	3	1	1	0	0	1	0
Louisiana	5	4	12.0%	3	1	1	2	0	0	0	0
Oklahoma	NM	1	NM	2	1	0	0	NM	0	NM	0
Texas	18	13	46.0%	8	5	10	7	NM	0	NM	0
Mountain	33	39	-16.0%	30	35	3	4	NM	0	NM	0
Arizona	6	4	45.0%	6	4	0	0	NM	0	0	0
Colorado	NM	9	NM	NM	9	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	4	4	-2.2%	NM	1	2	2	0	0	0	0
Nevada	3	3	-8.4%	2	2	1	1	0	0	0	0
New Mexico	7	9	-29.0%	7	9	0	0	0	0	NM	0
Utah	3	3	21.0%	3	2	NM	0	0	0	NM	0
Wyoming	9	7	28.0%	9	7	0	0	0	0	NM	0
Pacific Contiguous	17	13	34.0%	8	6	8	5	NM	0	1	2
California	14	10	49.0%	6	5	8	4	NM	0	NM	0
Oregon	1	1	34.0%	1	1	0	0	NM	0	0	0
Washington	2	2	-25.0%	NM	0	1	1	NM	0	1	2
Pacific Noncontiguous	1,031	1,057	-2.4%	896	898	118	134	NM	1	17	25
Alaska	117	124	-5.6%	109	115	0	0	NM	0	8	9
Hawaii	914	933	-2.0%	787	783	118	134	0	0	9	16
U.S. Total	1,556	1,550	0.4%	1,237	1,218	266	251	9	28	44	53

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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 October 2015 and October 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	3,366	3,575	-5.8%	334	497	2,888	2,908	94	125	50	45
Connecticut	722	874	-17.0%	10	16	696	838	NM	14	NM	5
Maine	887	510	74.0%	NM	1	835	466	NM	5	46	38
Massachusetts	1,323	1,609	-18.0%	96	237	1,179	1,302	46	69	NM	1
New Hampshire	282	445	-37.0%	203	210	67	220	11	16	NM	0
Rhode Island	135	111	22.0%	18	21	110	82	NM	NM	0	0
Vermont	NM	25	NM	NM	12	0	0	NM	13	0	0
Middle Atlantic	4,545	5,261	-14.0%	1,429	1,558	2,967	3,549	63	62	86	92
New Jersey	474	762	-38.0%	NM	6	470	754	NM	1	NM	1
New York	3,016	3,348	-9.9%	1,424	1,550	1,477	1,682	58	55	57	61
Pennsylvania	1,055	1,150	-8.3%	NM	2	1,020	1,113	NM	6	28	29
East North Central	941	1,249	-25.0%	672	774	235	444	4	5	29	27
Illinois	89	142	-38.0%	33	48	55	93	NM	0	NM	0
Indiana	256	247	3.4%	236	232	NM	0	NM	1	19	14
Michigan	194	216	-10.0%	187	209	0	0	NM	2	4	5
Ohio	332	539	-38.0%	153	189	174	345	NM	0	5	5
Wisconsin	70	105	-33.0%	62	97	5	5	1	1	2	2
West North Central	581	677	-14.0%	538	629	NM	29	13	17	1	2
Iowa	77	109	-29.0%	75	107	NM	2	NM	0	NM	0
Kansas	95	102	-6.6%	95	102	0	0	0	0	0	0
Minnesota	91	133	-32.0%	51	88	NM	27	12	16	1	1
Missouri	183	186	-1.4%	183	185	NM	0	NM	0	0	0
Nebraska	48	83	-42.0%	48	83	0	0	0	0	0	0
North Dakota	45	43	5.0%	45	43	0	0	NM	0	NM	0
South Dakota	43	22	96.0%	42	22	NM	0	NM	0	0	0
South Atlantic	5,156	6,059	-15.0%	3,660	4,004	1,114	1,705	183	173	199	176
Delaware	239	294	-19.0%	NM	15	233	279	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	877	824	6.3%	852	801	NM	9	0	0	15	14
Georgia	345	426	-19.0%	132	197	83	105	NM	3	128	120
Maryland	602	1,035	-42.0%	20	24	401	841	178	168	NM	1
North Carolina	748	821	-8.9%	691	756	44	49	NM	0	13	16
South Carolina	371	467	-21.0%	328	420	17	30	NM	0	26	17
Virginia	1,769	1,961	-9.8%	1,447	1,608	304	343	NM	2	15	7
West Virginia	205	231	-11.0%	183	183	22	49	0	0	0	0
East South Central	586	722	-19.0%	527	672	29	25	NM	0	31	25
Alabama	140	176	-21.0%	85	130	27	23	0	0	28	23
Kentucky	194	206	-5.9%	194	206	0	0	0	0	0	0
Mississippi	28	25	9.4%	26	25	0	0	0	0	1	1
Tennessee	225	315	-28.0%	222	311	NM	2	NM	0	NM	1
West South Central	400	304	31.0%	234	139	152	151	NM	1	11	13
Arkansas	87	35	147.0%	63	21	16	11	0	0	8	3
Louisiana	108	74	46.0%	84	25	24	41	0	0	0	8
Oklahoma	14	21	-33.0%	13	20	0	0	NM	0	NM	0
Texas	191	175	9.0%	74	72	113	99	NM	1	NM	2
Mountain	377	398	-5.2%	339	356	33	35	NM	NM	5	6
Arizona	78	91	-14.0%	78	91	0	0	NM	0	0	0
Colorado	20	28	-27.0%	20	28	0	0	0	NM	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	41	48	-14.0%	NM	17	26	30	0	0	0	0
Nevada	27	25	6.6%	21	22	NM	4	0	0	0	0
New Mexico	111	107	4.1%	111	107	0	0	0	0	NM	0
Utah	28	34	-20.0%	26	33	NM	1	0	0	NM	1
Wyoming	71	65	10.0%	67	59	0	0	0	0	4	5
Pacific Contiguous	194	132	47.0%	69	75	80	39	NM	2	44	16
California	160	85	87.0%	57	53	70	26	NM	1	31	5
Oregon	NM	14	NM	9	14	0	0	NM	0	0	0
Washington	26	33	-22.0%	NM	8	9	13	NM	0	12	11
Pacific Noncontiguous	9,980	9,753	2.3%	8,658	8,450	1,116	1,072	10	8	195	222
Alaska	1,181	1,043	13.0%	1,093	966	0	0	3	3	85	74
Hawaii	8,799	8,710	1.0%	7,566	7,485	1,116	1,072	7	4	109	148
U.S. Total	26,126	28,129	-7.1%	16,460	17,155	8,643	9,958	371	392	651	624

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Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, October 2015 and October 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 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	3	NM	0	0	0	0	0	0	NM	3
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	3	NM	0	0	0	0	0	0	NM	3
East North Central	59	44	35.0%	14	31	41	8	0	0	4	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	4	3	20.0%	4	3	0	0	0	0	0	0
Michigan	16	31	-50.0%	10	27	2	1	0	0	NM	3
Ohio	39	7	444.0%	0	0	39	7	0	0	NM	0
Wisconsin	1	3	-51.0%	1	1	0	0	0	0	0	2
West North Central	NM	5	NM	0	0	0	0	0	0	NM	5
Iowa	NM	5	NM	0	0	0	0	0	0	NM	5
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	47	3	NM	45	0	0	0	0	0	3	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	45	0	--	45	0	0	0	0	0	0	0
Georgia	3	3	-4.4%	0	0	0	0	0	0	3	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	20	33	-40.0%	20	33	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	20	33	-40.0%	20	33	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	156	128	22.0%	148	114	0	0	0	0	9	14
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	152	119	28.0%	148	114	0	0	0	0	NM	5
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	9	NM	0	0	0	0	0	0	NM	9
Mountain	16	15	7.2%	0	0	16	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	15	7.2%	0	0	16	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	0	NM	0	0	NM	0	0	0	0	0
California	NM	0	NM	0	0	NM	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	306	230	33.0%	227	178	57	23	0	0	22	29

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	42	45	-6.7%	0	0	0	0	0	0	42	45
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	38	41	-7.1%	0	0	0	0	0	0	38	41
East North Central	1,074	1,072	0.2%	592	640	428	377	0	0	54	55
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	293	308	-5.0%	293	308	0	0	0	0	0	0
Michigan	320	335	-4.6%	275	291	11	19	0	0	34	25
Ohio	417	358	17.0%	0	0	417	358	0	0	0	0
Wisconsin	45	71	-37.0%	24	41	0	0	0	0	20	30
West North Central	27	32	-17.0%	0	0	0	0	2	2	25	31
Iowa	27	32	-17.0%	0	0	0	0	2	2	25	31
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	521	470	11.0%	496	442	0	0	0	0	25	29
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	496	442	12.0%	496	442	0	0	0	0	0	0
Georgia	25	29	-12.0%	0	0	0	0	0	0	25	29
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	315	337	-6.4%	315	337	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	315	337	-6.4%	315	337	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,417	1,614	-12.0%	1,308	1,459	0	0	0	0	109	155
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,357	1,509	-10.0%	1,308	1,459	0	0	0	0	50	50
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	59	105	-43.0%	0	0	0	0	0	0	59	105
Mountain	153	121	26.0%	0	0	153	121	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	153	121	26.0%	0	0	153	121	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	8	NM	0	0	NM	8	0	0	0	0
California	NM	8	NM	0	0	NM	8	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,551	3,700	-4.0%	2,710	2,877	583	507	2	2	256	315

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	34,798	31,407	11.0%	210	359	33,141	29,524	705	700	743	823
Connecticut	10,994	7,565	45.0%	7	16	10,246	6,926	332	277	410	346
Maine	2,749	1,521	81.0%	0	0	2,483	1,138	NM	15	240	368
Massachusetts	13,754	14,589	-5.7%	202	340	13,174	13,810	297	347	NM	93
New Hampshire	3,401	3,536	-3.8%	1	0	3,374	3,500	NM	20	NM	16
Rhode Island	3,901	4,193	-7.0%	0	0	3,864	4,151	NM	41	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	101,835	95,874	6.2%	9,202	7,334	90,777	86,736	854	754	1,003	1,050
New Jersey	23,972	20,863	15.0%	NM	65	23,470	20,342	NM	146	302	310
New York	39,607	35,404	12.0%	9,124	7,262	29,741	27,602	611	464	132	77
Pennsylvania	38,256	39,607	-3.4%	NM	7	37,566	38,793	NM	144	569	663
East North Central	52,439	36,199	45.0%	21,765	16,913	27,810	16,795	1,341	1,252	1,523	1,240
Illinois	7,245	4,894	48.0%	NM	139	5,993	3,656	764	827	236	272
Indiana	8,690	6,185	40.0%	6,295	4,992	1,966	867	93	51	335	274
Michigan	15,370	8,755	76.0%	4,120	2,547	10,104	5,371	327	293	820	545
Ohio	13,787	9,142	51.0%	4,323	2,601	9,348	6,489	NM	25	NM	27
Wisconsin	7,349	7,223	1.7%	6,775	6,634	400	411	NM	56	102	122
West North Central	8,006	11,856	-32.0%	7,150	9,231	400	2,258	291	236	165	131
Iowa	1,016	1,220	-17.0%	918	1,118	NM	0	NM	53	NM	50
Kansas	799	1,104	-28.0%	NM	1,064	0	0	0	0	70	39
Minnesota	3,489	4,484	-22.0%	3,137	3,517	NM	852	NM	88	NM	27
Missouri	1,860	4,293	-57.0%	1,535	2,792	242	1,406	79	95	NM	0
Nebraska	NM	330	NM	NM	326	0	0	NM	0	0	4
North Dakota	NM	239	NM	NM	227	0	0	0	0	NM	12
South Dakota	396	186	113.0%	396	186	0	0	0	0	0	0
South Atlantic	182,584	155,155	18.0%	148,708	122,519	31,535	30,168	526	547	1,815	1,922
Delaware	3,639	4,473	-19.0%	NM	27	3,035	3,839	0	0	571	607
District of Columbia	NM	64	NM	0	0	0	0	NM	64	0	0
Florida	100,439	90,923	10.0%	92,639	84,817	7,040	5,321	NM	22	744	762
Georgia	29,904	29,963	-0.2%	19,638	18,886	9,952	10,745	0	0	315	332
Maryland	3,255	1,933	68.0%	0	0	2,800	1,451	432	455	NM	28
North Carolina	19,251	12,595	53.0%	16,760	9,516	2,435	3,033	6	0	50	46
South Carolina	12,711	6,293	102.0%	11,963	5,211	724	1,048	NM	4	19	30
Virginia	11,785	7,644	54.0%	7,660	4,031	4,029	3,493	NM	3	92	117
West Virginia	1,538	1,267	21.0%	16	31	1,520	1,237	0	0	NM	0
East South Central	67,013	54,131	24.0%	40,387	31,829	25,497	21,145	NM	79	1,024	1,078
Alabama	31,963	30,922	3.4%	8,529	10,335	22,816	19,783	0	0	618	804
Kentucky	6,217	513	NM	5,063	457	1,011	13	0	0	143	43
Mississippi	24,106	20,000	21.0%	22,232	18,488	1,664	1,345	NM	9	202	158
Tennessee	4,727	2,696	75.0%	4,562	2,550	NM	4	NM	70	62	72
West South Central	203,249	182,730	11.0%	63,785	54,212	102,468	91,307	660	576	36,336	36,634
Arkansas	3,900	4,368	-11.0%	1,260	963	2,482	3,240	NM	2	156	163
Louisiana	45,112	37,427	21.0%	24,405	19,604	3,539	1,137	NM	149	17,012	16,536
Oklahoma	16,353	15,007	9.0%	11,169	10,230	5,120	4,707	NM	0	62	70
Texas	137,884	125,928	9.5%	26,951	23,415	91,327	82,223	500	426	19,106	19,865
Mountain	65,284	57,205	14.0%	48,113	40,198	15,855	15,669	342	360	973	978
Arizona	24,678	19,973	24.0%	15,235	11,097	9,326	8,740	NM	136	0	0
Colorado	7,990	8,808	-9.3%	6,298	6,599	1,666	2,186	0	0	NM	23
Idaho	2,487	1,196	108.0%	1,176	76	1,281	1,109	0	0	NM	12
Montana	714	379	89.0%	662	334	NM	27	0	0	0	18
Nevada	17,941	16,047	12.0%	16,579	14,360	1,108	1,419	NM	63	201	205
New Mexico	6,289	5,127	23.0%	4,093	3,048	2,054	1,807	NM	82	NM	189
Utah	4,814	5,372	-10.0%	4,027	4,659	NM	310	NM	80	356	323
Wyoming	371	303	22.0%	NM	25	NM	70	0	0	314	208
Pacific Contiguous	109,360	108,932	0.4%	41,146	38,379	61,226	62,418	1,256	1,435	5,733	6,701
California	87,979	90,065	-2.3%	27,410	25,936	53,744	56,152	1,171	1,334	5,655	6,643
Oregon	10,756	9,790	9.9%	4,692	3,944	5,929	5,710	NM	94	56	41
Washington	10,624	9,077	17.0%	9,043	8,498	1,553	556	NM	6	22	17
Pacific Noncontiguous	2,182	2,550	-14.0%	2,096	2,482	0	0	NM	0	NM	68
Alaska	2,182	2,550	-14.0%	2,096	2,482	0	0	NM	0	NM	68
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	826,750	736,039	12.0%	382,560	323,456	388,708	356,020	6,082	5,939	49,400	50,625

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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 October 2015 and October 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	344,994	306,485	13.0%	3,803	3,320	325,424	284,083	7,905	7,845	7,861	11,237
Connecticut	105,724	89,048	19.0%	25	110	97,874	81,557	3,510	3,265	4,316	4,116
Maine	17,007	26,448	-36.0%	0	0	14,207	20,058	258	258	2,542	6,132
Massachusetts	142,707	124,725	14.0%	3,487	2,822	134,751	117,215	3,585	3,816	885	873
New Hampshire	36,439	26,483	38.0%	275	360	35,897	25,857	NM	149	NM	117
Rhode Island	43,100	39,752	8.4%	0	0	42,695	39,395	404	356	0	0
Vermont	17	28	-39.0%	17	28	0	0	0	0	0	0
Middle Atlantic	1,007,014	906,158	11.0%	102,199	94,126	885,831	793,990	8,774	8,095	10,210	9,947
New Jersey	234,501	200,758	17.0%	NM	586	229,209	195,764	1,377	1,309	3,153	3,099
New York	404,342	377,840	7.0%	101,330	93,479	295,530	277,448	6,162	5,560	1,320	1,352
Pennsylvania	368,171	327,561	12.0%	NM	62	361,092	320,778	1,235	1,226	5,738	5,496
East North Central	577,345	391,794	47.0%	245,338	153,975	303,315	213,563	13,526	12,305	15,166	11,951
Illinois	75,584	42,510	78.0%	5,227	3,056	59,999	29,618	7,849	7,399	2,509	2,436
Indiana	99,685	60,859	64.0%	78,133	41,039	17,282	16,241	817	541	3,453	3,039
Michigan	142,511	93,308	53.0%	36,879	27,737	94,422	57,309	3,182	2,764	8,029	5,498
Ohio	176,903	146,043	21.0%	48,896	39,002	126,669	105,713	958	992	379	336
Wisconsin	82,661	49,073	68.0%	76,203	43,141	4,942	4,682	721	608	795	642
West North Central	126,352	89,549	41.0%	106,951	74,887	14,560	11,040	3,017	2,256	1,825	1,365
Iowa	16,429	9,322	76.0%	15,362	8,537	NM	0	483	386	582	399
Kansas	15,642	16,688	-6.3%	14,910	16,102	0	0	0	0	732	587
Minnesota	46,118	25,366	82.0%	38,249	19,937	5,805	3,992	1,714	1,177	350	260
Missouri	34,864	30,012	16.0%	25,258	22,240	8,753	7,048	818	692	NM	31
Nebraska	4,359	3,698	18.0%	4,336	3,691	0	0	NM	2	NM	6
North Dakota	3,036	1,652	84.0%	2,930	1,569	0	0	0	0	106	83
South Dakota	5,905	2,812	110.0%	5,905	2,812	0	0	0	0	0	0
South Atlantic	1,925,056	1,600,021	20.0%	1,546,880	1,306,043	349,410	270,139	5,592	5,825	23,173	18,014
Delaware	50,058	44,036	14.0%	NM	271	39,792	37,666	0	0	9,861	6,099
District of Columbia	654	655	-0.1%	0	0	0	0	654	655	0	0
Florida	983,211	904,304	8.7%	921,582	844,734	53,991	52,164	NM	204	7,478	7,202
Georgia	303,933	243,257	25.0%	195,570	170,304	104,766	70,364	0	0	3,597	2,588
Maryland	37,457	21,732	72.0%	0	0	32,555	16,628	4,643	4,869	259	235
North Carolina	224,893	168,173	34.0%	197,885	146,455	26,367	21,229	40	2	601	487
South Carolina	108,932	74,444	46.0%	97,210	65,281	11,529	8,916	NM	45	149	201
Virginia	203,948	137,245	49.0%	132,944	77,027	69,734	58,967	NM	50	1,218	1,200
West Virginia	11,970	6,176	94.0%	1,283	1,971	10,676	4,204	0	0	NM	1
East South Central	719,588	550,962	31.0%	428,284	326,265	278,615	212,702	1,104	1,025	11,585	10,972
Alabama	339,203	287,253	18.0%	93,199	88,600	238,568	191,279	0	0	7,436	7,374
Kentucky	38,625	24,929	55.0%	30,355	21,829	6,702	1,525	0	0	1,568	1,575
Mississippi	281,979	199,594	41.0%	246,776	178,121	33,278	19,844	NM	84	1,839	1,545
Tennessee	59,781	39,187	53.0%	57,954	37,715	NM	54	1,018	941	741	478
West South Central	2,244,970	1,942,256	16.0%	738,083	627,845	1,124,070	925,841	6,634	6,421	376,182	382,150
Arkansas	93,085	59,318	57.0%	29,364	12,434	62,029	45,443	NM	21	1,672	1,420
Louisiana	442,493	394,700	12.0%	255,367	211,921	20,823	12,575	1,553	1,543	164,750	168,661
Oklahoma	211,859	179,435	18.0%	139,168	120,948	71,944	57,830	NM	0	726	656
Texas	1,497,532	1,308,803	14.0%	314,184	282,542	969,274	809,993	5,040	4,857	209,035	211,412
Mountain	608,170	541,599	12.0%	435,561	373,968	160,732	155,267	3,193	3,665	8,684	8,698
Arizona	214,790	183,163	17.0%	117,742	92,736	95,993	89,188	1,055	1,238	0	0
Colorado	72,615	77,067	-5.8%	55,236	58,438	17,183	18,396	0	39	196	194
Idaho	22,588	15,625	45.0%	13,668	8,077	8,550	7,298	0	0	369	250
Montana	6,404	4,862	32.0%	5,909	4,293	495	345	0	0	0	225
Nevada	172,462	140,973	22.0%	159,607	123,353	10,721	15,311	513	542	1,621	1,768
New Mexico	65,594	63,647	3.1%	40,664	41,603	23,704	20,588	908	1,065	319	392
Utah	50,105	53,420	-6.2%	42,274	45,205	3,940	3,897	718	781	3,174	3,537
Wyoming	3,612	2,841	27.0%	461	263	NM	244	0	0	3,005	2,333
Pacific Contiguous	885,246	881,463	0.4%	340,233	316,007	478,919	491,520	11,457	13,015	54,637	60,921
California	722,735	742,332	-2.6%	241,030	229,451	417,114	440,140	10,609	12,292	53,982	60,448
Oregon	90,315	72,032	25.0%	36,972	27,334	52,128	43,747	787	677	428	275
Washington	72,197	67,100	7.6%	62,231	59,222	9,678	7,633	61	46	227	198
Pacific Noncontiguous	24,123	26,923	-10.0%	23,222	26,186	0	0	NM	10	883	727
Alaska	24,123	26,923	-10.0%	23,222	26,186	0	0	NM	10	883	727
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	8,462,858	7,237,209	17.0%	3,970,554	3,302,622	3,920,876	3,358,144	61,222	60,461	510,206	515,983

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	1,082	959	13.0%	0	0	994	899	NM	60	0	0
Connecticut	NM	43	NM	0	0	NM	43	0	0	0	0
Maine	NM	74	NM	0	0	NM	74	0	0	0	0
Massachusetts	404	372	8.6%	0	0	404	372	0	0	0	0
New Hampshire	189	150	26.0%	0	0	NM	90	NM	60	0	0
Rhode Island	308	270	14.0%	0	0	308	270	0	0	0	0
Vermont	NM	49	NM	0	0	NM	49	0	0	0	0
Middle Atlantic	5,416	4,414	23.0%	0	0	5,204	4,262	NM	49	148	104
New Jersey	992	922	7.5%	0	0	948	888	NM	34	0	0
New York	1,712	1,562	9.6%	0	0	1,712	1,562	0	0	0	0
Pennsylvania	2,712	1,930	41.0%	0	0	2,544	1,811	NM	15	148	104
East North Central	6,515	4,588	42.0%	739	604	5,668	3,898	NM	26	NM	59
Illinois	1,427	888	61.0%	0	0	1,427	888	0	0	0	0
Indiana	746	621	20.0%	709	590	NM	14	0	0	NM	17
Michigan	2,052	1,985	3.4%	0	0	2,052	1,985	0	0	0	0
Ohio	1,062	119	792.0%	NM	2	1,047	117	0	0	0	0
Wisconsin	1,228	975	26.0%	NM	13	1,127	894	NM	26	NM	42
West North Central	1,043	763	37.0%	305	226	738	537	0	0	0	0
Iowa	256	217	18.0%	0	0	256	217	0	0	0	0
Kansas	151	38	302.0%	0	0	151	38	0	0	0	0
Minnesota	364	282	29.0%	NM	54	283	228	0	0	0	0
Missouri	147	135	9.3%	NM	81	NM	54	0	0	0	0
Nebraska	NM	92	NM	NM	92	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	4,570	3,557	28.0%	455	425	3,541	2,744	307	193	267	195
Delaware	170	140	21.0%	0	0	133	112	0	0	NM	28
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	599	739	-19.0%	124	156	474	583	0	0	0	0
Georgia	418	333	25.0%	0	0	306	265	NM	33	NM	35
Maryland	271	239	14.0%	0	0	184	150	NM	89	0	0
North Carolina	1,123	537	109.0%	0	0	984	488	139	49	0	0
South Carolina	531	423	26.0%	322	262	NM	28	0	0	173	132
Virginia	1,447	1,137	27.0%	NM	7	1,412	1,109	NM	22	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	521	435	20.0%	212	163	309	272	0	0	0	0
Alabama	NM	76	NM	0	0	NM	76	0	0	0	0
Kentucky	225	172	30.0%	212	163	NM	9	0	0	0	0
Mississippi	NM	9	NM	0	0	NM	9	0	0	0	0
Tennessee	177	177	-0.1%	0	0	177	177	0	0	0	0
West South Central	1,602	920	74.0%	0	0	1,547	895	NM	25	0	0
Arkansas	162	132	23.0%	0	0	162	132	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	34	NM	0	0	NM	34	0	0	0	0
Texas	1,401	755	86.0%	0	0	1,347	729	NM	25	0	0
Mountain	514	468	9.7%	NM	70	429	385	0	13	0	0
Arizona	153	130	17.0%	NM	53	NM	77	0	0	0	0
Colorado	NM	107	NM	0	0	NM	107	0	0	0	0
Idaho	NM	69	NM	NM	17	NM	40	0	13	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	NM	43	NM	0	0	NM	43	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	143	118	21.0%	0	0	143	118	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,598	5,493	1.9%	698	659	3,195	3,207	1,705	1,626	0	0
California	4,506	4,612	-2.3%	202	279	2,654	2,750	1,650	1,583	0	0
Oregon	604	493	22.0%	NM	108	418	342	NM	43	0	0
Washington	488	387	26.0%	365	272	NM	115	0	0	0	0
Pacific Noncontiguous	NM	100	NM	0	0	0	0	NM	100	0	0
Alaska	NM	100	NM	0	0	0	0	NM	100	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	26,970	21,697	24.0%	2,493	2,148	21,626	17,099	2,368	2,092	483	358

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	11,250	10,002	12.0%	0	0	10,424	9,439	826	564	0	0
Connecticut	475	441	7.8%	0	0	475	441	0	0	0	0
Maine	847	717	18.0%	0	0	847	717	0	0	0	0
Massachusetts	4,076	3,516	16.0%	0	0	4,076	3,516	0	0	0	0
New Hampshire	1,847	1,592	16.0%	0	0	1,021	1,028	826	564	0	0
Rhode Island	3,506	3,248	7.9%	0	0	3,506	3,248	0	0	0	0
Vermont	499	488	2.2%	0	0	499	488	0	0	0	0
Middle Atlantic	52,847	46,543	14.0%	0	0	50,997	44,853	528	489	1,323	1,201
New Jersey	9,873	8,262	20.0%	0	0	9,497	7,947	376	315	0	0
New York	17,263	14,281	21.0%	0	0	17,263	14,281	0	0	0	0
Pennsylvania	25,711	24,001	7.1%	0	0	24,236	22,625	151	174	1,323	1,201
East North Central	65,649	56,561	16.0%	7,454	5,897	57,411	49,829	179	256	606	579
Illinois	14,910	14,113	5.6%	0	0	14,910	14,113	0	0	0	0
Indiana	7,482	5,942	26.0%	7,152	5,645	159	137	0	0	171	160
Michigan	20,670	17,286	20.0%	0	0	20,670	17,286	0	0	0	0
Ohio	10,709	9,556	12.0%	148	125	10,561	9,432	0	0	0	0
Wisconsin	11,879	9,664	23.0%	154	127	11,112	8,862	179	256	434	419
West North Central	10,527	8,864	19.0%	3,089	2,453	7,439	6,411	0	0	0	0
Iowa	2,577	2,143	20.0%	0	0	2,577	2,143	0	0	0	0
Kansas	1,519	1,326	15.0%	0	0	1,519	1,326	0	0	0	0
Minnesota	3,679	3,045	21.0%	824	617	2,855	2,428	0	0	0	0
Missouri	1,496	1,338	12.0%	1,008	824	487	514	0	0	0	0
Nebraska	1,256	1,013	24.0%	1,256	1,013	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	45,841	42,881	6.9%	5,049	4,393	35,887	33,601	2,612	2,768	2,292	2,120
Delaware	1,646	1,443	14.0%	0	0	1,345	1,157	0	0	301	285
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,647	7,331	-9.3%	1,711	1,629	4,936	5,701	0	1	0	0
Georgia	4,049	3,609	12.0%	0	0	3,085	2,698	473	441	490	470
Maryland	2,638	2,517	4.8%	0	0	1,858	1,579	780	937	0	0
North Carolina	11,062	11,820	-6.4%	0	0	9,932	10,659	1,129	1,161	0	0
South Carolina	5,122	4,354	18.0%	3,255	2,696	366	293	0	0	1,501	1,364
Virginia	14,566	11,704	24.0%	82	68	14,254	11,408	230	227	0	0
West Virginia	112	NM	NM	0	0	112	NM	0	0	0	0
East South Central	5,253	4,638	13.0%	2,141	1,923	3,112	2,715	0	0	0	0
Alabama	956	901	6.1%	0	0	956	901	0	0	0	0
Kentucky	2,267	2,031	12.0%	2,141	1,923	126	108	0	0	0	0
Mississippi	248	201	23.0%	0	0	248	201	0	0	0	0
Tennessee	1,782	1,505	18.0%	0	0	1,782	1,505	0	0	0	0
West South Central	16,045	13,877	16.0%	0	0	15,602	13,465	443	412	0	0
Arkansas	1,635	1,252	31.0%	0	0	1,635	1,252	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	384	302	27.0%	0	0	384	302	0	0	0	0
Texas	14,027	12,323	14.0%	0	0	13,584	11,911	443	412	0	0
Mountain	5,178	4,666	11.0%	854	705	4,324	3,881	0	80	0	0
Arizona	1,542	1,314	17.0%	648	536	894	777	0	0	0	0
Colorado	1,072	1,081	-0.9%	0	0	1,072	1,081	0	0	0	0
Idaho	594	647	-8.3%	206	168	388	399	0	80	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	530	436	21.0%	0	0	530	436	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,440	1,187	21.0%	0	0	1,440	1,187	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	55,934	53,964	3.6%	7,187	6,357	32,369	29,800	16,378	17,808	0	0
California	44,999	45,446	-1.0%	2,183	2,678	26,911	25,387	15,904	17,381	0	0
Oregon	6,016	4,908	23.0%	1,329	1,076	4,213	3,405	474	427	0	0
Washington	4,919	3,611	36.0%	3,675	2,603	1,245	1,008	0	0	0	0
Pacific Noncontiguous	900	835	7.9%	0	0	0	0	900	835	0	0
Alaska	900	835	7.9%	0	0	0	0	900	835	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	269,424	242,832	11.0%	25,773	21,727	217,566	193,994	21,865	23,211	4,221	3,901

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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, October 2015 and October 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	284	329	-14.0%	0	0	269	306	15	24	0	0
Connecticut	90	115	-22.0%	0	0	90	109	0	6	0	0
Maine	23	27	-18.0%	0	0	7	10	15	17	0	0
Massachusetts	163	176	-6.9%	0	0	163	176	0	0	0	0
New Hampshire	9	11	-25.0%	0	0	9	11	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	415	446	-6.9%	0	0	335	357	80	89	0	0
New Jersey	110	118	-6.9%	0	0	83	91	26	27	0	0
New York	164	174	-5.6%	0	0	127	129	37	45	0	0
Pennsylvania	141	154	-8.4%	0	0	125	137	16	17	0	0
East North Central	23	22	2.7%	3	2	0	0	19	21	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-29.0%	0	0	0	0	1	1	0	0
Michigan	19	20	-4.0%	0	0	0	0	19	20	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	2	95.0%	3	2	0	0	0	0	0	0
West North Central	51	54	-5.9%	34	38	15	16	2	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	51	54	-5.9%	34	38	15	16	2	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	432	425	1.8%	56	0	344	389	32	36	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	285	272	4.8%	56	0	229	272	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	69	68	1.7%	0	0	69	68	NM	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	79	85	-7.6%	0	0	46	49	32	36	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	55.0%	0	0	0	0	0	0	1	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	0	55.0%	0	0	0	0	0	0	1	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	-7.7%	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	-7.7%	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	57	66	-13.0%	0	0	57	66	0	0	0	0
California	39	39	-1.7%	0	0	39	39	0	0	0	0
Oregon	7	11	-35.0%	0	0	7	11	0	0	0	0
Washington	11	15	-26.0%	0	0	11	15	0	0	0	0
Pacific Noncontiguous	26	31	-19.0%	0	0	0	0	26	31	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	26	31	-19.0%	0	0	0	0	26	31	0	0
U.S. Total	1,289	1,374	-6.2%	94	40	1,021	1,133	174	200	1	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 October 2015 and October 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	2,917	3,284	-11.0%	0	0	2,757	3,054	160	230	0	0
Connecticut	1,000	1,200	-17.0%	0	0	979	1,136	22	64	0	0
Maine	214	259	-17.0%	0	0	76	93	138	166	0	0
Massachusetts	1,615	1,721	-6.1%	0	0	1,615	1,721	0	0	0	0
New Hampshire	87	104	-16.0%	0	0	87	104	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,163	4,387	-5.1%	0	0	3,315	3,455	848	932	0	0
New Jersey	1,054	1,157	-9.0%	0	0	765	874	288	283	0	0
New York	1,548	1,659	-6.7%	0	0	1,206	1,232	341	426	0	0
Pennsylvania	1,562	1,571	-0.6%	0	0	1,343	1,349	218	222	0	0
East North Central	207	210	-1.2%	33	27	0	0	174	183	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	8	10	-23.0%	0	0	0	0	8	10	0	0
Michigan	166	172	-3.6%	0	0	0	0	166	172	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	33	27	22.0%	33	27	0	0	0	0	0	0
West North Central	516	555	-7.2%	349	349	154	184	13	22	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	516	555	-7.2%	349	349	154	184	13	22	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	4,218	4,486	-6.0%	226	0	3,688	4,136	304	350	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	2,767	2,920	-5.2%	226	0	2,541	2,920	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	670	671	-0.3%	0	0	669	671	NM	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	782	894	-13.0%	0	0	478	544	304	350	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	3	5	-39.0%	0	0	0	0	0	0	3	5
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	3	5	-39.0%	0	0	0	0	0	0	3	5
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	1	2	-15.0%	0	0	1	2	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1	2	-15.0%	0	0	1	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	587	683	-14.0%	0	0	587	683	0	0	0	0
California	397	445	-11.0%	0	0	397	445	0	0	0	0
Oregon	72	97	-26.0%	0	0	72	97	0	0	0	0
Washington	117	141	-17.0%	0	0	117	141	0	0	0	0
Pacific Noncontiguous	316	325	-2.8%	0	0	0	0	316	325	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	316	325	-2.8%	0	0	0	0	316	325	0	0
U.S. Total	12,928	13,936	-7.2%	608	376	10,502	11,514	1,815	2,041	3	5

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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 - October 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	151,548	33,505	827	116,684	22,487	686	34,864	11,018	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	133,705	27,553	298	108,249	20,649	216	25,456	6,904	83
February	119,904	29,158	277	97,363	20,964	202	22,541	8,195	74
March	118,260	29,197	350	96,029	21,341	282	22,231	7,855	67
April	128,925	29,568	515	103,431	21,583	451	25,494	7,985	64
May	136,921	29,376	458	108,064	21,446	374	28,856	7,930	84
June	133,479	29,738	397	103,948	21,568	343	29,531	8,170	54
July	125,870	29,120	381	97,829	20,967	300	28,041	8,152	81
August	121,369	29,346	388	93,552	21,205	289	27,817	8,141	99
Sept	124,546	29,789	389	96,266	21,338	297	28,280	8,451	92
October	136,964	30,883	510	105,094	21,741	394	31,870	9,142	117
November	142,595	32,829	633	110,221	22,103	502	32,374	10,726	131
December	151,548	33,505	827	116,684	22,487	686	34,864	11,018	142
Year 2015, End of Month Stocks									
January	154,691	32,637	892	119,780	22,000	742	34,911	10,636	150
February	149,671	28,198	850	116,902	19,955	723	32,769	8,243	127
March	154,841	29,066	818	122,153	20,679	698	32,687	8,387	120
April	167,490	28,970	912	131,479	20,608	776	36,010	8,362	136
May	173,214	29,352	999	135,670	20,749	856	37,544	8,603	143
June	166,810	29,396	1,031	131,853	20,694	883	34,957	8,702	149
July	158,330	29,022	1,065	125,614	20,395	909	32,716	8,627	156
August	156,277	28,915	1,029	124,558	20,081	891	31,719	8,834	138
Sept	162,373	29,956	1,102	129,629	20,249	973	32,743	9,707	129
October	175,826	30,915	1,151	140,089	20,270	1,026	35,737	10,645	125

Notes: See Glossary for definitions. Values for 2014 and prior years are final. Values for 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, October 2015 and 2014

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	October 2015	October 2014	Percentage Change	October 2015	October 2014	Percentage Change	October 2015	October 2014	Percentage Change
New England	1,542	1,662	-7.3%	4,370	3,655	19.6%	0	0	--
Connecticut	W	W	W	1,569	1,091	43.8%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,679	1,499	12.0%	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	--	47	53	-11.9%	0	0	--
Middle Atlantic	7,687	7,672	0.2%	5,093	4,759	7.0%	W	W	W
New Jersey	950	836	13.6%	762	682	11.8%	0	0	--
New York	429	837	-48.8%	2,993	3,143	-4.8%	0	0	--
Pennsylvania	6,308	5,999	5.2%	1,338	935	43.1%	W	W	W
East North Central	38,254	29,859	28.1%	1,102	1,197	-7.9%	111	115	-4.1%
Illinois	8,856	6,983	26.8%	77	106	-27.4%	0	0	--
Indiana	10,221	7,817	30.8%	109	209	-47.8%	0	0	--
Michigan	8,000	5,721	39.8%	311	338	-8.1%	W	W	W
Ohio	6,562	5,904	11.1%	376	306	22.9%	W	W	W
Wisconsin	4,615	3,435	34.4%	230	238	-3.4%	W	W	W
West North Central	28,278	19,513	44.9%	1,644	1,594	3.2%	0	0	--
Iowa	5,922	4,170	42.0%	156	181	-13.7%	0	0	--
Kansas	4,135	2,938	40.7%	661	556	18.9%	0	0	--
Minnesota	4,801	1,935	148.1%	160	145	11.0%	0	0	--
Missouri	8,660	5,538	56.4%	403	365	10.5%	0	0	--
Nebraska	2,793	2,859	-2.3%	194	242	-19.8%	0	0	--
North Dakota	W	W	W	37	36	3.8%	0	0	--
South Dakota	W	W	W	33	70	-53.5%	0	0	--
South Atlantic	31,977	27,744	15.3%	11,929	12,107	-1.5%	W	W	W
Delaware	W	W	W	444	283	57.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	6,218	4,593	35.4%	5,516	5,956	-7.4%	158	W	W
Georgia	5,429	5,136	5.7%	861	829	3.9%	0	0	--
Maryland	1,794	1,615	11.1%	893	731	22.1%	0	0	--
North Carolina	6,831	5,589	22.2%	1,140	1,230	-7.3%	0	0	--
South Carolina	5,429	3,856	40.8%	706	701	0.8%	0	0	--
Virginia	1,777	W	W	2,215	2,216	-0.1%	0	0	--
West Virginia	W	4,905	W	154	162	-4.8%	W	W	W
East South Central	17,282	16,255	6.3%	1,950	1,868	4.4%	W	W	W
Alabama	3,659	3,552	3.0%	392	263	49.0%	0	0	--
Kentucky	8,276	7,854	5.4%	254	263	-3.3%	W	W	W
Mississippi	1,556	1,549	0.5%	575	586	-1.8%	0	0	--
Tennessee	3,790	3,300	14.9%	727	755	-3.7%	0	0	--
West South Central	28,334	17,818	59.0%	1,880	1,996	-5.8%	W	W	W
Arkansas	4,505	2,418	86.3%	W	W	W	0	0	--
Louisiana	3,346	3,261	2.6%	428	474	-9.8%	W	W	W
Oklahoma	4,314	2,156	100.1%	W	W	W	0	0	--
Texas	16,169	9,982	62.0%	1,181	1,240	-4.7%	0	0	--
Mountain	20,695	14,988	38.1%	400	866	-53.8%	W	W	W
Arizona	4,334	2,478	74.9%	132	159	-17.0%	0	0	--
Colorado	5,614	2,959	89.7%	122	248	-50.7%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	1,092	873	25.0%	W	178	W	0	0	--
New Mexico	W	W	W	44	W	W	0	0	--
Utah	3,972	3,565	11.4%	44	42	3.3%	0	0	--
Wyoming	3,557	3,146	13.1%	33	32	4.4%	0	0	--
Pacific Contiguous	W	W	W	323	337	-4.0%	0	W	W
California	0	W	W	147	163	-9.8%	0	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,223	2,504	-11.2%	0	0	--
Alaska	W	W	W	50	283	-82.4%	0	0	--
Hawaii	W	W	W	2,173	2,221	-2.1%	0	0	--
U.S. Total	175,826	136,964	28.4%	30,915	30,883	0.1%	1,151	510	125.7%

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.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**October 2015**	**October 2014**	**Percentage Change**	**October 2015**	**October 2014**	**October 2015**	**October 2014**
Coal (Thousand Tons)							
New England	1,542	1,662	-7.3%	W	W	W	W
Middle Atlantic	7,687	7,672	0.2%	0	W	7,687	W
East North Central	38,254	29,859	28.1%	26,513	19,951	11,741	9,908
West North Central	28,278	19,513	44.9%	28,278	W	0	W
South Atlantic	31,977	27,744	15.3%	29,177	24,655	2,800	3,089
East South Central	17,282	16,255	6.3%	17,282	W	0	W
West South Central	28,334	17,818	59.0%	17,778	9,837	10,556	7,980
Mountain	20,695	14,988	38.1%	19,547	13,777	1,148	1,211
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**175,826**	**136,964**	**28.4%**	**140,089**	**105,094**	**35,737**	**31,870**
Petroleum Liquids (Thousand Barrels)							
New England	4,370	3,655	19.6%	683	741	3,687	2,914
Middle Atlantic	5,093	4,759	7.0%	1,666	1,537	3,427	3,222
East North Central	1,102	1,197	-7.9%	802	W	300	W
West North Central	1,644	1,594	3.2%	1,619	1,566	25	28
South Atlantic	11,929	12,107	-1.5%	9,557	10,148	2,373	1,959
East South Central	1,950	1,868	4.4%	W	W	W	W
West South Central	1,880	1,996	-5.8%	1,397	1,451	483	545
Mountain	400	866	-53.8%	W	W	W	W
Pacific Contiguous	323	337	-4.0%	229	W	94	W
Pacific Noncontiguous	2,223	2,504	-11.2%	W	W	W	W
U.S. Total	**30,915**	**30,883**	**0.1%**	**20,270**	**21,741**	**10,645**	**9,142**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	111	115	-4.1%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	158	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	**1,151**	**510**	**125.7%**	**1,026**	**W**	**125**	**W**

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2005 - October 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	72,771	72,552	6,225	151,548
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	63,618	64,709	5,378	133,705
February	56,041	58,418	5,445	119,904
March	55,150	57,657	5,453	118,260
April	60,602	62,266	6,056	128,925
May	63,782	66,827	6,311	136,921
June	62,679	64,378	6,423	133,479
July	60,134	59,514	6,222	125,870
August	60,128	54,787	6,453	121,369
Sept	63,031	55,432	6,082	124,546
October	69,246	61,368	6,350	136,964
November	70,666	66,105	5,824	142,595
December	72,771	72,552	6,225	151,548
Year 2015, End of Month Stocks				
January	70,461	78,677	5,552	154,691
February	64,613	79,761	5,296	149,671
March	65,597	84,300	4,944	154,841
April	71,044	91,251	5,195	167,490
May	74,266	93,842	5,107	173,214
June	72,967	89,125	4,718	166,810
July	68,318	85,227	4,785	158,330
August	67,819	83,938	4,520	156,277
Sept	70,397	87,401	4,575	162,373
October	76,242	94,951	4,632	175,826

Notes: See Glossary for definitions.
Values for 2014 and prior years are final. Values for 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 - October 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	16,594,722	854,560	2.37	45.96	1.32	98.0	172,421	28,514	19.87	120.26	0.46	82.3
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	1,319,894	69,313	2.29	43.69	1.25	81.1	27,209	4,554	21.85	130.73	0.43	42.0
February	1,217,895	62,838	2.32	45.04	1.34	80.8	26,164	4,306	21.60	131.42	0.45	124.7
March	1,400,614	71,444	2.36	46.35	1.35	96.8	15,224	2,519	21.94	132.68	0.45	66.7
April	1,339,967	68,102	2.39	46.96	1.33	114.5	8,983	1,487	21.71	131.18	0.42	84.5
May	1,383,924	70,623	2.40	46.93	1.37	107.9	8,655	1,437	21.18	127.58	0.46	77.4
June	1,366,947	70,055	2.38	46.50	1.35	92.5	9,334	1,546	21.41	129.29	0.45	90.4
July	1,431,182	73,973	2.38	45.96	1.27	89.2	8,455	1,399	21.29	128.62	0.50	74.0
August	1,488,018	76,671	2.37	45.95	1.32	92.9	9,182	1,509	20.62	125.46	0.52	77.3
Sept	1,403,234	72,158	2.37	46.16	1.33	102.4	10,222	1,686	19.67	119.51	0.51	92.8
October	1,416,761	72,959	2.31	44.84	1.29	116.8	12,851	2,134	18.49	111.46	0.48	121.4
November	1,372,572	71,000	2.30	44.54	1.29	107.4	17,787	2,959	16.53	99.41	0.43	155.7
December	1,453,713	75,424	2.51	48.34	1.29	108.7	18,356	2,977	13.87	85.54	0.49	155.0
Year 2015												
January	1,398,063	72,404	2.29	44.17	1.29	99.2	13,263	2,192	12.75	77.17	0.57	59.5
February	1,157,768	60,083	2.26	43.53	1.30	87.7	20,151	3,312	12.59	76.71	0.51	35.8
March	1,218,280	62,520	2.26	44.02	1.29	104.4	15,791	2,608	W	W	0.70	125.9
April	1,165,784	60,030	2.25	43.68	1.33	120.3	9,163	1,522	13.18	79.55	0.43	86.6
May	1,209,860	61,852	2.26	44.25	1.35	105.5	11,087	1,828	12.56	76.29	0.45	93.5
June	1,182,487	60,862	2.25	43.72	1.37	86.2	9,805	1,620	13.56	82.07	0.49	81.6
July	1,289,026	67,407	2.21	42.29	1.25	86.0	8,779	1,450	12.58	76.24	0.48	64.1
August	1,375,086	70,997	2.23	43.22	1.31	94.0	9,196	1,538	12.05	72.78	0.47	74.6
Sept	1,340,736	69,472	2.22	42.78	1.31	104.5	14,405	2,364	9.69	59.04	0.49	120.7
October	1,266,451	65,867	2.14	41.22	1.27	119.2	13,167	2,154	9.18	56.12	0.44	121.4
Year to Date												
2013	13,275,877	686,934	2.35	45.38	1.29	93.8	100,395	16,533	20.58	125.00	0.46	76.0
2014	13,768,438	708,136	2.36	45.85	1.32	96.2	136,278	22,577	21.14	127.69	0.46	73.3
2015	12,603,542	651,494	2.24	43.27	1.30	99.3	124,808	20,588	11.99	72.80	0.51	71.6
Rolling 12 Months Ending in October												
2014	16,399,370	844,424	2.35	45.72	1.31	95.7	159,847	26,457	21.04	127.20	0.46	74.0
2015	15,429,827	797,917	2.27	43.86	1.30	100.8	160,951	26,525	W	W	0.50	81.4

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

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - October 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	147,310	5,195	1.98	56.23	5.56	91.2	8,679,286	8,431,423	5.00	5.14	89.6	3.31
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	10,073	357	1.82	51.28	5.26	66.1	708,775	691,024	7.02	7.20	88.4	4.07
February	10,261	363	W	W	5.47	79.9	588,885	573,618	7.40	7.59	88.4	W
March	13,196	468	2.02	57.09	5.81	88.8	607,103	591,486	6.00	6.16	89.1	3.52
April	12,986	459	2.13	60.37	5.94	109.7	594,114	578,726	5.07	5.20	89.5	3.23
May	12,640	448	2.19	61.62	5.55	89.0	690,306	671,336	4.93	5.07	89.7	3.25
June	11,659	409	2.07	59.14	5.77	77.7	760,055	738,843	4.84	4.98	89.9	3.27
July	11,616	407	1.90	54.16	5.69	81.6	887,618	861,696	4.43	4.57	90.4	3.17
August	12,764	448	1.97	56.12	5.52	90.8	945,250	916,932	4.12	4.24	90.8	3.06
Sept	11,787	414	1.92	54.55	5.43	85.5	813,131	788,357	4.20	4.33	90.0	3.06
October	11,011	390	1.79	50.65	5.31	123.3	745,276	722,544	4.10	4.23	89.5	2.96
November	12,217	431	1.86	52.74	5.45	109.7	648,562	628,693	4.48	4.62	89.3	3.06
December	17,100	600	2.00	57.09	5.41	111.5	690,212	668,170	4.36	4.50	89.3	3.14
Year 2015												
January	13,724	484	2.03	57.48	5.23	89.7	758,731	735,038	4.10	4.23	88.8	2.93
February	9,660	338	1.79	51.07	5.30	60.9	691,450	669,640	4.67	4.83	89.2	3.20
March	9,506	338	2.03	57.09	5.17	79.5	753,516	729,499	3.54	3.66	89.2	W
April	11,059	392	1.99	56.16	5.01	93.3	716,775	693,083	3.09	3.20	90.2	2.59
May	11,883	419	2.05	58.07	5.24	94.4	786,897	760,840	3.14	3.24	90.1	2.64
June	9,380	330	1.89	53.88	5.57	78.2	933,405	901,594	3.11	3.22	90.2	2.65
July	12,797	451	1.93	54.69	5.08	85.9	1,091,608	1,054,927	3.11	3.22	90.7	2.63
August	11,327	396	1.85	52.86	5.02	79.0	1,064,645	1,029,862	3.10	3.21	90.1	2.62
Sept	13,033	458	1.76	50.19	5.13	93.7	941,441	909,925	3.06	3.16	90.1	2.58
October	10,862	381	W	W	5.09	96.1	830,909	802,190	2.91	3.01	88.9	W
Year to Date												
2013	110,310	3,877	2.22	63.15	5.38	71.3	7,358,662	7,175,816	4.28	4.39	89.9	3.08
2014	117,993	4,164	1.99	56.47	5.59	87.4	7,340,513	7,134,561	5.10	5.25	89.7	3.35
2015	113,231	3,986	1.92	54.49	5.18	84.5	8,569,377	8,286,598	3.34	3.45	89.8	2.70
Rolling 12 Months Ending in October												
2014	140,157	4,947	W	W	5.58	87.4	8,702,965	8,462,169	5.01	5.15	89.6	W
2015	142,548	5,017	W	W	5.23	88.8	9,908,150	9,583,460	3.48	3.60	89.7	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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - October 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	12,064,810	614,728	2.39	46.95	1.21	98.3	98,357	16,161	19.90	121.14	0.44	82.0
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	939,850	48,843	2.30	44.18	1.13	79.8	12,001	2,011	21.72	129.64	0.32	44.6
February	870,977	44,490	2.31	45.27	1.23	80.6	12,180	2,005	21.72	131.94	0.49	106.4
March	991,708	50,353	2.37	46.61	1.23	97.5	8,992	1,474	21.53	131.41	0.39	76.6
April	948,645	47,838	2.41	47.72	1.23	116.0	6,691	1,099	21.74	132.35	0.36	85.6
May	1,003,354	50,694	2.42	47.83	1.27	107.4	5,313	885	21.88	131.42	0.34	68.2
June	998,236	50,508	2.40	47.48	1.25	90.8	6,271	1,037	21.65	130.91	0.34	87.9
July	1,059,989	53,961	2.41	47.22	1.19	89.5	5,979	985	21.28	129.22	0.47	75.2
August	1,096,270	55,759	2.40	47.18	1.22	92.5	6,800	1,108	20.61	126.44	0.50	84.5
Sept	1,037,230	52,716	2.41	47.40	1.21	103.8	6,921	1,137	19.90	121.13	0.48	87.7
October	1,047,018	53,419	2.34	45.74	1.20	118.6	6,939	1,148	19.33	117.03	0.48	94.2
November	1,010,559	51,705	2.33	45.51	1.20	110.9	7,512	1,237	17.71	107.56	0.50	100.6
December	1,060,973	54,441	2.60	50.75	1.20	108.8	12,760	2,035	13.22	82.91	0.46	160.4
Year 2015												
January	1,036,958	53,439	2.30	44.72	1.20	103.4	8,894	1,464	11.82	71.84	0.57	69.5
February	864,004	44,588	2.26	43.72	1.20	91.5	8,602	1,406	11.71	71.65	0.47	38.0
March	927,718	47,541	2.26	44.03	1.20	110.2	10,202	1,675	12.14	73.96	0.52	132.3
April	879,765	45,153	2.28	44.37	1.22	122.4	6,623	1,090	13.28	80.65	0.39	87.1
May	923,978	47,039	2.29	44.95	1.23	107.8	7,248	1,180	12.33	75.72	0.46	92.4
June	904,761	46,194	2.26	44.37	1.25	89.8	7,510	1,236	13.65	82.94	0.46	87.6
July	976,318	50,655	2.23	43.06	1.13	88.6	6,306	1,033	12.49	76.20	0.40	67.0
August	1,035,250	53,057	2.26	44.06	1.20	96.6	5,704	942	11.73	71.05	0.42	64.7
Sept	1,005,257	51,539	2.26	44.05	1.20	108.0	7,091	1,156	9.74	59.71	0.38	91.2
October	951,213	49,116	2.18	42.32	1.16	123.3	5,918	971	9.54	58.17	0.44	78.5
Year to Date												
2013	9,677,196	494,626	2.38	46.55	1.23	93.0	64,733	10,611	20.99	128.05	0.43	75.5
2014	9,993,278	508,582	2.38	46.69	1.22	96.2	78,085	12,889	21.21	128.52	0.42	74.9
2015	9,505,221	488,321	2.26	43.96	1.20	102.8	74,097	12,155	11.89	72.48	0.46	73.6
Rolling 12 Months Ending in October												
2014	11,911,410	606,728	2.38	46.62	1.22	95.6	91,454	15,092	21.26	128.85	0.42	75.5
2015	11,576,753	594,468	2.30	44.72	1.20	104.0	94,369	15,427	12.53	76.66	0.46	81.1

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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.
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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - October 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	126.3	3,876,549	3,772,596	5.17	5.31	96.7	3.16
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	322,118	314,783	6.23	6.37	96.8	3.45
February	8,883	312	2.01	57.15	5.47	113.1	261,721	255,665	7.00	7.16	96.1	3.56
March	11,235	396	1.94	54.97	5.85	119.1	269,374	263,288	5.93	6.06	96.8	3.24
April	11,184	394	2.07	58.69	5.98	186.0	270,455	264,009	5.34	5.47	97.6	3.14
May	10,813	383	2.13	60.11	5.57	121.8	324,319	316,054	5.26	5.40	97.7	3.18
June	9,321	325	1.97	56.35	5.85	95.9	346,749	337,837	5.17	5.31	96.9	3.19
July	9,697	339	1.79	51.25	5.70	113.6	390,076	379,146	4.84	4.98	96.4	3.12
August	10,451	365	1.85	52.89	5.51	122.5	424,307	412,297	4.47	4.60	96.6	3.05
Sept	9,844	345	1.81	51.54	5.40	122.6	353,112	342,647	4.63	4.77	96.2	3.05
October	9,240	326	1.65	46.75	5.25	182.8	323,101	313,490	4.55	4.69	96.8	2.93
November	10,079	354	1.70	48.51	5.43	154.6	288,185	279,556	4.75	4.90	96.6	2.94
December	14,294	499	1.90	54.38	5.40	149.0	303,034	293,825	4.61	4.76	96.6	3.13
Year 2015												
January	11,509	404	1.94	55.36	5.21	129.1	339,941	329,825	4.25	4.38	96.1	2.83
February	8,617	301	1.72	49.17	5.31	90.5	319,661	310,048	4.58	4.73	94.8	2.94
March	7,949	283	1.95	54.67	5.16	144.7	341,334	330,809	3.78	3.90	95.4	2.73
April	8,845	313	1.95	55.11	4.92	146.8	329,072	318,796	3.48	3.59	96.6	2.66
May	10,125	357	1.98	56.26	5.21	136.5	359,496	347,983	3.50	3.62	96.9	2.68
June	7,485	262	1.73	49.60	5.62	111.4	438,111	423,452	3.47	3.59	94.8	2.71
July	11,256	395	1.86	52.91	5.04	118.3	499,719	482,283	3.46	3.59	94.7	2.68
August	9,787	342	1.76	50.54	4.92	109.8	481,069	465,398	3.45	3.57	93.9	2.66
Sept	12,216	429	1.72	49.08	5.09	145.7	427,099	412,983	3.40	3.51	94.7	2.62
October	9,567	334	1.77	50.64	5.05	147.2	375,236	361,599	3.25	3.37	94.4	2.51
Year to Date												
2013	81,818	2,858	2.15	61.59	5.28	97.9	3,338,461	3,264,412	4.45	4.55	97.1	2.99
2014	99,420	3,495	1.91	54.21	5.59	121.4	3,285,331	3,199,215	5.26	5.40	96.8	3.18
2015	97,356	3,418	1.84	52.37	5.14	125.8	3,910,740	3,783,176	3.63	3.75	95.1	2.70
Rolling 12 Months Ending in October												
2014	116,690	4,100	1.91	54.21	5.60	121.7	3,886,277	3,786,043	5.17	5.31	96.7	3.15
2015	121,729	4,271	1.83	52.29	5.19	130.2	4,501,958	4,356,557	3.76	3.89	95.3	2.76

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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 - October 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	4,243,949	226,600	2.25	42.20	1.61	100.1	71,774	11,980	19.90	119.36	0.45	101.0
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	356,260	19,360	2.25	41.46	1.56	86.8	14,823	2,481	22.05	132.09	0.46	43.7
February	324,520	17,309	2.31	43.39	1.62	83.0	13,652	2,247	21.53	131.09	0.39	189.3
March	383,238	19,906	2.32	44.67	1.66	97.8	6,096	1,023	22.59	134.69	0.52	66.2
April	368,214	19,193	2.29	44.00	1.60	114.9	2,150	365	21.88	129.00	0.48	127.7
May	358,005	18,880	2.30	43.62	1.65	113.3	3,198	529	20.19	121.99	0.52	145.8
June	346,608	18,528	2.29	42.89	1.64	100.1	2,867	477	21.11	126.96	0.51	141.6
July	346,695	18,879	2.24	41.19	1.53	90.0	2,327	391	21.59	128.64	0.50	96.7
August	366,331	19,740	2.22	41.23	1.63	96.0	2,265	382	W	W	0.49	79.5
Sept	342,392	18,355	2.21	41.35	1.70	101.3	3,161	526	19.20	115.97	0.50	156.6
October	345,463	18,416	2.18	40.98	1.57	115.9	5,762	961	17.58	105.43	0.44	279.8
November	338,083	18,186	2.19	40.72	1.58	101.8	10,107	1,695	15.62	93.26	0.38	374.5
December	368,141	19,847	2.20	40.90	1.54	112.9	5,366	904	15.41	91.46	0.53	201.5
Year 2015												
January	343,021	18,177	2.21	41.66	1.54	92.9	4,210	702	15.12	90.51	0.49	57.3
February	279,974	14,887	2.24	42.12	1.59	81.6	11,143	1,838	13.15	79.87	0.51	37.1
March	272,637	14,193	2.23	42.80	1.58	94.2	3,983	672	13.53	80.53	0.49	120.1
April	270,997	14,215	2.12	40.48	1.64	123.0	2,294	390	12.86	75.90	0.46	125.9
May	270,576	14,133	2.14	41.00	1.76	104.7	3,781	639	13.02	77.28	0.41	138.9
June	262,292	13,988	2.16	40.52	1.76	79.4	2,101	353	13.29	79.16	0.48	96.1
July	295,075	15,969	2.10	38.81	1.64	81.6	2,124	360	12.81	75.81	0.47	69.2
August	323,784	17,230	2.12	39.81	1.66	90.6	3,366	575	12.56	75.45	0.48	134.4
Sept	319,898	17,245	2.05	38.10	1.66	100.2	6,827	1,128	9.45	57.00	0.47	233.3
October	300,888	16,121	1.98	37.04	1.60	115.4	6,918	1,128	8.69	53.34	0.41	306.6
Year to Date												
2013	3,367,467	181,633	2.21	41.01	1.48	99.2	33,533	5,577	19.92	119.87	0.44	106.5
2014	3,537,725	188,566	2.26	42.48	1.62	98.8	56,301	9,381	21.13	126.99	0.46	85.6
2015	2,939,142	156,158	2.13	40.17	1.64	94.4	46,747	7,784	12.05	72.58	0.47	80.4
Rolling 12 Months Ending in October												
2014	4,202,690	224,505	2.25	42.19	1.59	98.7	66,200	11,009	W	W	0.46	89.7
2015	3,645,366	194,191	2.15	40.30	1.62	96.7	62,219	10,383	12.94	77.74	0.46	98.1

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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 - October 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	2.48	70.31	5.33	70.9	4,054,540	3,934,672	4.90	5.05	92.7	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	52.4	320,157	311,751	8.58	8.81	92.3	W
February	1,039	38	0.00	0.00	5.27	60.8	267,558	260,190	8.33	8.57	91.3	5.10
March	1,127	41	W	W	5.47	62.5	271,937	264,409	6.38	6.56	91.6	W
April	1,047	37	W	W	5.53	57.9	264,781	257,569	4.83	4.96	92.5	W
May	1,419	50	W	W	5.35	88.8	305,484	296,701	4.51	4.65	91.8	W
June	1,349	47	W	W	5.24	102.9	352,539	342,158	4.45	4.58	91.9	W
July	1,124	39	W	W	5.55	67.8	432,673	419,753	3.98	4.10	93.3	W
August	1,401	49	W	W	5.39	83.2	455,652	441,523	3.71	3.83	93.7	W
Sept	946	33	W	W	5.29	47.3	400,187	387,887	3.72	3.84	93.6	W
October	821	29	W	W	5.26	91.2	363,367	352,206	3.58	3.69	92.8	W
November	1,066	36	W	W	5.29	87.9	298,147	289,008	4.27	4.41	92.9	W
December	1,520	53	W	W	5.10	76.9	322,057	311,517	4.04	4.18	93.1	W
Year 2015												
January	1,427	52	W	W	5.10	77.4	357,604	346,044	4.05	4.18	93.3	W
February	562	20	W	W	4.53	30.2	313,841	303,489	5.17	5.34	93.8	W
March	956	34	W	W	4.81	48.7	350,620	339,122	3.36	3.48	93.5	W
April	1,501	54	W	W	4.95	79.5	329,881	318,305	2.65	2.75	94.0	W
May	1,348	48	W	W	5.17	69.2	366,927	354,389	2.75	2.84	93.3	W
June	1,237	44	W	W	5.22	68.9	433,601	418,650	2.69	2.78	93.9	W
July	1,119	40	W	W	5.30	58.6	526,867	509,889	2.71	2.80	94.2	W
August	1,289	45	W	W	5.62	67.3	517,489	500,496	2.71	2.80	93.9	W
Sept	432	16	W	W	5.44	22.3	452,689	437,288	2.69	2.79	93.8	W
October	1,295	47	W	W	5.38	71.6	400,258	386,896	2.55	2.63	93.5	W
Year to Date												
2013	13,122	467	W	W	5.39	64.0	3,395,882	3,305,240	4.19	4.30	92.9	W
2014	11,194	398	2.48	70.04	5.37	68.9	3,434,336	3,334,147	5.03	5.18	92.6	W
2015	11,166	399	2.44	68.35	5.17	59.3	4,049,778	3,914,567	3.06	3.16	93.7	W
Rolling 12 Months Ending in October												
2014	14,223	506	W	W	5.38	69.9	4,063,716	3,946,805	4.92	5.07	92.6	W
2015	13,753	488	W	W	5.17	62.3	4,669,982	4,515,092	3.20	3.31	93.6	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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2005 - October 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	4,096	182	W	W	2.50	17.1	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	13.3	0	0	--	--	--	0.0
February	407	18	W	W	2.91	13.7	0	0	--	--	--	0.0
March	526	24	2.98	66.22	2.39	20.1	0	0	--	--	--	0.0
April	640	30	2.70	58.40	1.24	36.2	0	0	--	--	--	0.0
May	475	21	W	W	2.54	29.1	0	0	--	--	--	0.0
June	116	5	W	W	2.88	6.3	0	0	--	--	--	0.0
July	261	11	W	W	2.52	13.2	0	0	--	--	--	0.0
August	159	7	W	W	2.96	9.4	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	21.1	0	0	--	--	--	0.0
October	313	14	W	W	2.72	23.9	0	0	--	--	--	0.0
November	229	10	W	W	3.00	12.3	0	0	--	--	--	0.0
December	264	12	W	W	2.96	13.0	0	0	--	--	--	0.0
Year 2015												
January	309	14	W	W	2.65	14.5	0	0	--	--	--	0.0
February	479	23	2.14	44.32	1.71	25.3	0	0	--	--	--	0.0
March	177	8	W	W	2.93	8.9	0	0	--	--	--	0.0
April	298	13	W	W	2.72	20.3	0	0	--	--	--	0.0
May	102	5	W	W	2.90	7.3	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
August	187	8	W	W	2.46	12.2	0	0	--	--	--	0.0
Sept	49	2	W	W	3.01	3.7	0	0	--	--	--	0.0
October	130	6	W	W	3.08	9.3	0	0	--	--	--	0.0
Year to Date												
2013	3,050	131	W	W	2.99	11.8	0	0	--	--	--	0.0
2014	3,603	160	W	W	2.43	17.9	0	0	--	--	--	0.0
2015	2,070	92	2.88	64.62	2.48	12.9	0	0	--	--	--	0.0
Rolling 12 Months Ending in October												
2014	4,060	180	W	W	2.54	15.9	0	0	--	--	--	0.0
2015	2,562	114	W	W	2.56	12.9	0	0	--	--	--	0.0

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2005 - October 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	5,849	5,795	W	W	4.9	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	423	418	W	W	3.1	W
February	0	0	--	--	--	0.0	314	310	W	W	3.6	W
March	0	0	--	--	--	0.0	359	355	W	W	4.2	W
April	0	0	--	--	--	0.0	439	435	W	W	5.4	W
May	0	0	--	--	--	0.0	491	486	W	W	5.4	W
June	0	0	--	--	--	0.0	440	437	W	W	4.6	W
July	0	0	--	--	--	0.0	476	472	W	W	4.4	W
August	0	0	--	--	--	0.0	625	619	W	W	5.4	W
Sept	0	0	--	--	--	0.0	555	551	W	W	5.4	W
October	0	0	--	--	--	0.0	580	575	W	W	5.9	W
November	0	0	--	--	--	0.0	476	472	W	W	5.1	W
December	0	0	--	--	--	0.0	672	666	W	W	6.7	W
Year 2015												
January	0	0	--	--	--	0.0	552	545	W	W	5.0	W
February	0	0	--	--	--	0.0	378	372	W	W	3.8	W
March	0	0	--	--	--	0.0	438	432	W	W	4.0	W
April	0	0	--	--	--	0.0	420	413	W	W	4.7	W
May	0	0	--	--	--	0.0	494	488	W	W	4.7	W
June	0	0	--	--	--	0.0	522	513	W	W	5.0	W
July	0	0	--	--	--	0.0	540	528	W	W	4.8	W
August	0	0	--	--	--	0.0	694	680	W	W	6.0	W
Sept	0	0	--	--	--	0.0	632	620	W	W	5.7	W
October	0	0	--	--	--	0.0	530	523	W	W	5.1	W
Year to Date												
2013	0	0	--	--	--	0.0	4,369	4,334	W	W	4.4	W
2014	0	0	--	--	--	0.0	4,700	4,658	W	W	4.7	W
2015	0	0	--	--	--	0.0	5,200	5,114	W	W	4.9	W
Rolling 12 Months Ending in October												
2014	0	0	--	--	--	0.0	5,828	5,774	W	W	4.8	W
2015	0	0	--	--	--	0.0	6,349	6,252	W	W	5.0	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 - October 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	281,867	13,050	W	W	1.33	68.4	2,290	373	17.91	109.99	1.43	15.6
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	23,384	1,093	W	W	1.29	61.0	385	62	18.67	115.30	1.30	15.0
February	21,991	1,020	W	W	1.33	62.5	332	53	20.18	125.46	1.04	19.1
March	25,143	1,161	2.92	63.25	1.41	67.2	135	22	20.74	127.74	1.16	9.3
April	22,469	1,042	3.09	66.66	1.31	70.8	142	23	17.86	110.18	1.60	14.8
May	22,090	1,028	W	W	1.27	66.3	144	23	17.67	109.00	1.70	13.6
June	21,987	1,014	W	W	1.40	65.9	197	32	18.15	111.64	1.79	19.5
July	24,237	1,122	W	W	1.29	70.6	149	24	16.89	103.81	1.54	16.2
August	25,258	1,165	W	W	1.35	73.2	117	19	W	W	1.59	14.2
Sept	23,305	1,073	W	W	1.28	71.5	140	23	17.75	108.43	1.86	14.5
October	23,967	1,110	W	W	1.35	74.9	150	25	16.21	98.83	1.56	14.8
November	23,701	1,098	W	W	1.37	70.7	169	28	17.46	105.26	1.42	15.1
December	24,334	1,125	W	W	1.30	68.4	230	38	14.15	85.81	1.33	22.4
Year 2015												
January	17,776	773	W	W	1.59	46.3	159	26	12.53	76.07	2.04	9.7
February	13,311	585	2.87	65.23	1.67	39.3	405	67	16.55	99.49	1.65	18.9
March	17,748	778	W	W	1.48	49.2	1,607	262	W	W	1.99	124.4
April	14,725	649	W	W	1.67	46.6	247	41	13.17	78.37	1.00	24.1
May	15,203	676	W	W	1.46	46.9	59	10	14.16	86.77	1.50	5.1
June	15,221	670	W	W	1.58	46.8	195	31	12.73	79.17	1.58	17.6
July	17,508	778	W	W	1.54	49.9	350	57	12.95	79.16	1.84	35.2
August	15,865	703	W	W	1.48	45.1	127	21	13.09	79.74	1.66	14.2
Sept	15,532	686	W	W	1.39	46.4	487	79	12.03	74.16	1.89	43.7
October	14,220	624	W	W	1.69	45.5	330	55	12.73	76.79	1.28	36.2
Year to Date												
2013	228,164	10,544	W	W	1.30	64.6	2,129	345	18.15	112.03	1.46	18.2
2014	233,831	10,828	W	W	1.33	68.2	1,891	307	18.40	113.40	1.45	15.1
2015	157,110	6,922	2.84	64.39	1.55	46.2	3,965	650	13.29	81.13	1.78	32.2
Rolling 12 Months Ending in October												
2014	281,210	13,011	W	W	1.34	67.3	2,194	356	W	W	1.41	13.5
2015	205,146	9,145	W	W	1.50	50.3	4,363	716	W	W	1.73	30.2

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - October 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	9,736	358	W	W	5.83	23.2	742,347	718,360	W	W	62.7	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	398	15	W	W	5.87	11.7	66,078	64,072	W	W	60.7	W
February	339	13	W	W	5.95	11.2	59,291	57,453	W	W	64.6	W
March	834	31	W	W	5.76	24.3	65,433	63,434	W	W	67.2	W
April	755	28	W	W	5.88	19.7	58,439	56,714	W	W	63.4	W
May	408	15	W	W	5.78	11.7	60,012	58,094	W	W	63.1	W
June	990	36	W	W	5.66	25.6	60,327	58,411	W	W	64.0	W
July	794	29	W	W	5.79	20.2	64,393	62,325	W	W	62.9	W
August	912	34	W	W	5.80	25.1	64,667	62,493	W	W	62.0	W
Sept	997	36	W	W	5.92	27.6	59,277	57,273	W	W	60.5	W
October	950	34	W	W	5.92	33.0	58,228	56,273	W	W	59.5	W
November	1,071	40	W	W	5.83	33.3	61,753	59,657	W	W	63.3	W
December	1,286	47	W	W	5.86	36.1	64,449	62,162	W	W	62.3	W
Year 2015												
January	788	29	W	W	5.74	18.1	60,633	58,625	W	W	56.9	W
February	481	17	W	W	6.17	11.2	57,569	55,731	W	W	61.5	W
March	601	21	W	W	5.99	13.5	61,124	59,136	W	W	60.7	W
April	712	25	W	W	6.18	18.1	57,402	55,568	W	W	61.2	W
May	410	14	W	W	6.14	12.8	59,979	57,979	W	W	61.1	W
June	659	24	W	W	5.64	19.6	61,171	58,979	W	W	60.9	W
July	422	16	W	W	5.68	12.8	64,482	62,227	W	W	61.7	W
August	251	9	W	W	6.00	7.5	65,392	63,289	W	W	61.4	W
Sept	386	14	W	W	6.21	11.2	61,022	59,033	W	W	61.3	W
October	0	0	--	--	--	0.0	54,884	53,173	W	W	56.0	W
Year to Date												
2013	15,371	553	W	W	5.87	31.0	619,949	601,830	W	W	62.2	W
2014	7,379	271	W	W	5.82	20.9	616,146	596,542	W	W	62.7	W
2015	4,710	169	W	W	5.95	12.9	603,659	583,741	W	W	60.3	W
Rolling 12 Months Ending in October												
2014	9,244	340	W	W	5.73	21.9	747,143	723,546	W	W	62.7	W
2015	7,067	257	W	W	5.91	16.4	729,861	705,559	W	W	60.7	W

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See Glossary for definitions.
Values for 2014 and prior years are final. Values for 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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, October 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	67	40	70.0%	58	18	8	21	0	0	1	1
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	9	3	194.0%	0	0	8	2	0	0	1	1
Massachusetts	0	19	-100.0%	0	0	0	19	0	0	0	0
New Hampshire	58	18	224.0%	58	18	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,975	2,857	-31.0%	0	0	1,931	2,786	0	0	44	71
New Jersey	80	68	18.0%	0	0	80	68	0	0	0	0
New York	71	206	-65.0%	0	0	38	173	0	0	33	33
Pennsylvania	1,823	2,583	-29.0%	0	0	1,812	2,545	0	0	11	39
East North Central	15,311	17,111	-11.0%	9,580	10,827	5,532	5,978	0	7	199	299
Illinois	4,809	5,308	-9.4%	1,132	1,174	3,540	3,918	0	0	137	216
Indiana	2,833	3,464	-18.0%	2,606	3,182	227	282	0	0	0	0
Michigan	2,908	3,167	-8.2%	2,889	3,108	18	42	0	7	1	11
Ohio	2,831	2,932	-3.5%	1,064	1,177	1,748	1,735	0	0	20	20
Wisconsin	1,930	2,239	-14.0%	1,889	2,186	0	0	0	0	41	53
West North Central	11,298	12,051	-6.2%	11,175	11,742	0	0	6	7	118	302
Iowa	1,955	1,859	5.1%	1,837	1,665	0	0	0	0	118	194
Kansas	1,385	1,578	-12.0%	1,385	1,578	0	0	0	0	0	0
Minnesota	1,407	1,452	-3.1%	1,407	1,416	0	0	0	0	0	35
Missouri	3,318	3,490	-4.9%	3,313	3,483	0	0	6	7	0	0
Nebraska	1,326	1,450	-8.6%	1,326	1,378	0	0	0	0	0	72
North Dakota	1,781	2,054	-13.0%	1,781	2,054	0	0	0	0	0	0
South Dakota	127	167	-24.0%	127	167	0	0	0	0	0	0
South Atlantic	8,671	10,744	-19.0%	7,684	9,018	893	1,522	0	0	93	205
Delaware	0	0	-100.0%	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,520	1,880	-19.0%	1,493	1,802	26	56	0	0	0	21
Georgia	1,820	1,733	5.0%	1,817	1,692	0	0	0	0	3	42
Maryland	492	639	-23.0%	0	0	468	614	0	0	24	26
North Carolina	1,491	1,558	-4.3%	1,491	1,476	0	48	0	0	0	33
South Carolina	430	1,073	-60.0%	430	1,065	0	0	0	0	0	8
Virginia	532	663	-20.0%	440	573	57	63	0	0	35	26
West Virginia	2,387	3,199	-25.0%	2,013	2,410	342	740	0	0	31	49
East South Central	6,863	7,216	-4.9%	6,632	7,103	124	0	0	0	107	113
Alabama	1,664	1,670	-0.4%	1,664	1,670	0	0	0	0	0	0
Kentucky	3,759	3,664	2.6%	3,759	3,664	0	0	0	0	0	0
Mississippi	340	344	-1.2%	215	344	124	0	0	0	0	0
Tennessee	1,100	1,538	-28.0%	993	1,425	0	0	0	0	107	113
West South Central	12,470	13,067	-4.6%	6,031	6,509	6,439	6,507	0	0	0	51
Arkansas	1,321	1,727	-24.0%	1,156	1,506	165	212	0	0	0	10
Louisiana	683	1,225	-44.0%	403	614	280	610	0	0	0	0
Oklahoma	1,550	1,573	-1.5%	1,340	1,418	210	114	0	0	0	41
Texas	8,916	8,542	4.4%	3,132	2,972	5,785	5,571	0	0	0	0
Mountain	8,765	9,155	-4.3%	7,804	8,008	942	1,132	0	0	18	14
Arizona	1,956	1,751	12.0%	1,956	1,751	0	0	0	0	0	0
Colorado	1,209	1,513	-20.0%	1,209	1,513	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	897	1,017	-12.0%	0	29	897	987	0	0	0	0
Nevada	153	294	-48.0%	109	234	45	60	0	0	0	0
New Mexico	1,036	905	14.0%	1,036	905	0	0	0	0	0	0
Utah	1,405	1,481	-5.1%	1,388	1,425	0	41	0	0	18	14
Wyoming	2,107	2,193	-3.9%	2,107	2,150	0	43	0	0	0	0
Pacific Contiguous	361	657	-45.0%	125	193	193	410	0	0	44	54
California	44	54	-20.0%	0	0	0	0	0	0	44	54
Oregon	125	193	-35.0%	125	193	0	0	0	0	0	0
Washington	193	410	-53.0%	0	0	193	410	0	0	0	0
Pacific Noncontiguous	85	62	38.0%	27	0	58	62	0	0	0	0
Alaska	27	0	--	27	0	0	0	0	0	0	0
Hawaii	58	62	-5.8%	0	0	58	62	0	0	0	0
U.S. Total	65,867	72,959	-9.7%	49,116	53,419	16,121	18,416	6	14	624	1,110

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See Glossary for definitions. Values for 2014 are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	1,674	2,249	-26.0%	551	454	1,096	1,770	0	0	27	25
Connecticut	251	406	-38.0%	0	0	251	406	0	0	0	0
Maine	91	71	28.0%	0	0	65	46	0	0	27	25
Massachusetts	781	1,064	-27.0%	0	0	781	1,064	0	0	0	0
New Hampshire	551	454	22.0%	551	454	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	23,704	35,578	-33.0%	0	166	23,335	34,657	0	0	369	755
New Jersey	732	869	-16.0%	0	0	732	869	0	0	0	0
New York	799	2,646	-70.0%	0	0	539	2,381	0	0	260	266
Pennsylvania	22,173	32,063	-31.0%	0	166	22,064	31,408	0	0	109	489
East North Central	145,843	161,524	-9.7%	91,054	98,816	52,527	59,944	27	69	2,234	2,694
Illinois	46,109	51,316	-10.0%	9,713	11,443	34,809	37,985	0	0	1,587	1,888
Indiana	29,763	33,898	-12.0%	27,389	31,546	2,373	2,352	0	0	0	0
Michigan	23,935	24,764	-3.3%	23,661	24,395	225	219	27	69	22	80
Ohio	26,602	33,218	-20.0%	11,281	13,601	15,120	19,389	0	0	200	229
Wisconsin	19,434	18,327	6.0%	19,009	17,830	0	0	0	0	425	497
West North Central	114,535	113,065	1.3%	113,392	110,080	0	0	65	90	1,078	2,894
Iowa	18,256	15,902	15.0%	17,178	14,003	0	0	0	0	1,078	1,899
Kansas	15,282	15,304	-0.1%	15,282	15,304	0	0	0	0	0	0
Minnesota	14,162	13,429	5.5%	14,147	13,085	0	0	14	19	0	326
Missouri	34,820	33,893	2.7%	34,769	33,822	0	0	51	71	0	0
Nebraska	11,785	13,492	-13.0%	11,785	12,823	0	0	0	0	0	669
North Dakota	19,396	19,527	-0.7%	19,396	19,527	0	0	0	0	0	0
South Dakota	835	1,516	-45.0%	835	1,516	0	0	0	0	0	0
South Atlantic	94,419	102,637	-8.0%	82,691	85,940	10,562	14,703	0	0	1,166	1,993
Delaware	152	453	-66.0%	0	0	152	453	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	16,684	17,856	-6.6%	16,144	16,939	540	715	0	0	0	203
Georgia	17,194	17,229	-0.2%	17,029	16,870	0	0	0	0	165	359
Maryland	5,662	7,087	-20.0%	0	0	5,400	6,787	0	0	262	299
North Carolina	13,422	14,602	-8.1%	13,422	13,836	0	453	0	0	0	313
South Carolina	9,651	8,930	8.1%	9,522	8,770	0	0	0	0	129	160
Virginia	6,524	8,694	-25.0%	5,648	7,471	587	918	0	0	290	305
West Virginia	25,130	27,785	-9.6%	20,926	22,054	3,883	5,377	0	0	320	354
East South Central	65,299	73,646	-11.0%	61,391	70,122	2,692	2,257	0	0	1,216	1,266
Alabama	17,165	19,445	-12.0%	17,165	19,445	0	0	0	0	0	0
Kentucky	34,318	31,800	7.9%	34,318	31,800	0	0	0	0	0	0
Mississippi	4,444	5,335	-17.0%	1,752	3,078	2,692	2,257	0	0	0	0
Tennessee	9,373	17,065	-45.0%	8,157	15,799	0	0	0	0	1,216	1,266
West South Central	114,146	124,019	-8.0%	59,554	62,305	54,529	61,267	0	0	64	447
Arkansas	12,923	15,340	-16.0%	10,829	13,643	2,031	1,650	0	0	64	48
Louisiana	9,054	9,935	-8.9%	5,196	4,556	3,858	5,379	0	0	0	0
Oklahoma	15,111	15,381	-1.8%	13,965	14,044	1,146	938	0	0	0	399
Texas	77,058	83,362	-7.6%	29,563	30,063	47,495	53,299	0	0	0	0
Mountain	86,764	88,404	-1.9%	78,463	78,803	8,074	9,328	0	0	227	273
Arizona	18,320	18,800	-2.6%	18,320	18,800	0	0	0	0	0	0
Colorado	15,535	14,119	10.0%	15,535	14,119	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	7,652	8,087	-5.4%	0	232	7,652	7,855	0	0	0	0
Nevada	1,146	3,263	-65.0%	723	2,612	422	651	0	0	0	0
New Mexico	10,200	9,828	3.8%	10,200	9,828	0	0	0	0	0	0
Utah	12,878	12,200	5.6%	12,651	11,542	0	385	0	0	227	273
Wyoming	21,034	22,107	-4.9%	21,034	21,669	0	438	0	0	0	0
Pacific Contiguous	4,548	6,407	-29.0%	1,199	1,896	2,809	4,032	0	0	541	480
California	541	663	-18.0%	0	0	0	183	0	0	541	480
Oregon	1,199	1,896	-37.0%	1,199	1,896	0	0	0	0	0	0
Washington	2,809	3,849	-27.0%	0	0	2,809	3,849	0	0	0	0
Pacific Noncontiguous	562	608	-7.6%	27	0	534	608	0	0	0	0
Alaska	27	0	--	27	0	0	0	0	0	0	0
Hawaii	534	608	-12.0%	0	0	534	608	0	0	0	0
U.S. Total	651,494	708,136	-8.0%	488,321	508,582	156,158	188,566	92	160	6,922	10,828

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	614	606	1.3%	0	74	613	530	0	0	1	1
Connecticut	276	50	453.0%	0	0	276	50	0	0	0	0
Maine	121	78	56.0%	0	0	120	76	0	0	1	1
Massachusetts	217	299	-27.0%	0	74	217	225	0	0	0	0
New Hampshire	0	50	-100.0%	0	0	0	50	0	0	0	0
Rhode Island	0	130	-100.0%	0	0	0	130	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	199	150	33.0%	33	0	163	148	0	0	3	2
New Jersey	20	23	-13.0%	0	0	20	23	0	0	0	0
New York	151	79	91.0%	33	0	114	77	0	0	3	1
Pennsylvania	28	47	-40.0%	0	0	28	47	0	0	0	0
East North Central	95	77	24.0%	70	55	23	19	0	0	2	3
Illinois	7	10	-29.0%	2	2	5	7	0	0	0	0
Indiana	21	34	-38.0%	21	34	0	0	0	0	0	0
Michigan	8	12	-30.0%	8	12	0	0	0	0	0	0
Ohio	49	15	221.0%	29	3	18	10	0	0	2	2
Wisconsin	10	6	70.0%	10	4	0	1	0	0	0	1
West North Central	25	46	-46.0%	25	45	0	1	0	0	0	0
Iowa	7	7	-6.3%	7	7	0	0	0	0	0	0
Kansas	0	3	-87.0%	0	3	0	0	0	0	0	0
Minnesota	4	5	-16.0%	4	4	0	1	0	0	0	0
Missouri	11	26	-58.0%	11	26	0	0	0	0	0	0
Nebraska	0	1	-100.0%	0	1	0	0	0	0	0	0
North Dakota	0	4	-95.0%	0	4	0	0	0	0	0	0
South Dakota	2	0	--	2	0	0	0	0	0	0	0
South Atlantic	279	257	8.8%	97	182	136	57	0	0	47	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	21	39	-47.0%	21	38	0	0	0	0	0	2
Georgia	8	12	-36.0%	4	11	0	0	0	0	4	1
Maryland	97	20	384.0%	0	0	97	20	0	0	0	0
North Carolina	22	70	-68.0%	22	69	0	0	0	0	0	0
South Carolina	29	16	86.0%	9	7	0	0	0	0	21	9
Virginia	63	80	-21.0%	2	38	38	37	0	0	22	5
West Virginia	39	20	92.0%	39	20	0	1	0	0	0	0
East South Central	18	29	-37.0%	17	28	0	0	0	0	1	1
Alabama	0	3	-89.0%	0	3	0	0	0	0	0	0
Kentucky	15	21	-29.0%	15	21	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	3	5	-40.0%	2	3	0	0	0	0	1	1
West South Central	9	82	-89.0%	6	63	2	19	0	0	0	0
Arkansas	2	2	-8.4%	1	0	1	2	0	0	0	0
Louisiana	2	49	-96.0%	1	46	1	3	0	0	0	0
Oklahoma	1	1	1.2%	1	1	0	0	0	0	0	0
Texas	4	31	-86.0%	4	17	0	14	0	0	0	0
Mountain	20	28	-30.0%	19	26	1	2	0	0	0	0
Arizona	3	8	-69.0%	3	8	0	0	0	0	0	0
Colorado	0	0	-100.0%	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	1	-100.0%	0	0	0	1	0	0	0	0
Nevada	2	4	-37.0%	2	3	1	1	0	0	0	0
New Mexico	5	7	-26.0%	5	7	0	0	0	0	0	0
Utah	1	1	24.0%	1	1	0	0	0	0	0	0
Wyoming	8	7	24.0%	8	7	0	0	0	0	0	0
Pacific Contiguous	1	7	-87.0%	0	7	1	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	7	-100.0%	0	7	0	0	0	0	0	0
Washington	1	0	--	0	0	1	0	0	0	0	0
Pacific Noncontiguous	894	852	4.9%	705	667	189	185	0	0	0	0
Alaska	2	0	--	2	0	0	0	0	0	0	0
Hawaii	892	852	4.6%	703	667	189	185	0	0	0	0
U.S. Total	2,154	2,134	0.9%	971	1,148	1,128	961	0	0	55	25

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

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) October 2015 and 2014
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	2,427	3,137	-23.0%	62	579	2,331	2,517	0	0	34	40
Connecticut	682	674	1.3%	0	0	682	674	0	0	0	0
Maine	685	320	114.0%	0	0	652	280	0	0	34	40
Massachusetts	867	1,355	-36.0%	5	237	862	1,119	0	0	0	0
New Hampshire	80	572	-86.0%	57	343	23	229	0	0	0	0
Rhode Island	112	217	-48.0%	0	0	112	217	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,461	4,233	-18.0%	1,079	905	2,373	3,308	0	0	9	20
New Jersey	112	266	-58.0%	0	0	112	266	0	0	0	0
New York	2,447	2,901	-16.0%	1,079	905	1,359	1,985	0	0	9	12
Pennsylvania	903	1,065	-15.0%	0	0	903	1,057	0	0	0	8
East North Central	926	1,208	-23.0%	653	688	238	482	0	0	34	37
Illinois	80	150	-47.0%	25	38	55	113	0	0	0	0
Indiana	239	239	-0.1%	239	239	0	0	0	0	0	0
Michigan	151	191	-21.0%	142	180	0	0	0	0	9	11
Ohio	401	544	-26.0%	197	154	180	366	0	0	24	24
Wisconsin	55	84	-35.0%	50	78	4	3	0	0	2	3
West North Central	309	461	-33.0%	309	457	0	3	0	0	0	0
Iowa	55	78	-30.0%	55	78	0	0	0	0	0	0
Kansas	58	72	-20.0%	58	72	0	0	0	0	0	0
Minnesota	24	75	-69.0%	24	72	0	3	0	0	0	0
Missouri	123	155	-21.0%	123	155	0	0	0	0	0	0
Nebraska	2	33	-94.0%	2	33	0	0	0	0	0	0
North Dakota	38	42	-8.5%	38	42	0	0	0	0	0	0
South Dakota	11	6	86.0%	11	6	0	0	0	0	0	0
South Atlantic	4,589	4,805	-4.5%	2,992	3,370	1,028	1,227	0	0	569	208
Delaware	169	23	643.0%	0	0	169	23	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	508	371	37.0%	504	346	4	9	0	0	0	16
Georgia	237	313	-24.0%	114	198	75	47	0	0	47	68
Maryland	429	799	-46.0%	0	0	429	799	0	0	0	0
North Carolina	486	708	-31.0%	454	671	33	17	0	0	0	20
South Carolina	407	531	-23.0%	276	460	7	0	0	0	124	72
Virginia	2,159	1,835	18.0%	1,466	1,507	295	296	0	0	398	32
West Virginia	194	224	-13.0%	178	189	16	35	0	0	0	0
East South Central	435	461	-5.6%	405	437	27	23	0	0	4	1
Alabama	90	115	-22.0%	64	92	27	23	0	0	0	0
Kentucky	153	192	-20.0%	153	192	0	0	0	0	0	0
Mississippi	45	18	145.0%	45	18	0	0	0	0	0	0
Tennessee	147	135	8.8%	143	134	0	0	0	0	4	1
West South Central	306	356	-14.0%	213	195	93	161	0	0	0	0
Arkansas	78	27	185.0%	59	12	19	15	0	0	0	0
Louisiana	93	151	-39.0%	70	108	23	43	0	0	0	0
Oklahoma	4	16	-76.0%	4	16	0	0	0	0	0	0
Texas	132	162	-19.0%	80	59	51	103	0	0	0	0
Mountain	306	295	3.8%	290	271	16	24	0	0	0	0
Arizona	88	75	16.0%	88	75	0	0	0	0	0	0
Colorado	6	4	27.0%	6	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	10	19	-44.0%	0	0	10	19	0	0	0	0
Nevada	26	24	8.8%	21	20	5	4	0	0	0	0
New Mexico	92	91	1.2%	92	91	0	0	0	0	0	0
Utah	26	24	6.1%	26	23	0	1	0	0	0	0
Wyoming	58	57	2.4%	58	57	0	0	0	0	0	0
Pacific Contiguous	10	27	-63.0%	1	15	9	12	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	1	15	-94.0%	1	15	0	0	0	0	0	0
Washington	9	12	-26.0%	0	0	9	12	0	0	0	0
Pacific Noncontiguous	7,820	7,596	2.9%	6,150	5,972	1,670	1,624	0	0	0	0
Alaska	2	0	--	2	0	0	0	0	0	0	0
Hawaii	7,818	7,596	2.9%	6,148	5,972	1,670	1,624	0	0	0	0
U.S. Total	20,588	22,577	-8.8%	12,155	12,889	7,784	9,381	0	0	650	307

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 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	8	-100.0%	0	0	0	0	0	0	0	8
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	8	-100.0%	0	0	0	0	0	0	0	8
East North Central	61	78	-21.0%	14	43	47	29	0	0	0	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	4	3	21.0%	4	3	0	0	0	0	0	0
Michigan	10	44	-77.0%	10	40	0	4	0	0	0	0
Ohio	47	25	86.0%	0	0	47	25	0	0	0	0
Wisconsin	1	6	-83.0%	1	0	0	0	0	0	0	6
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	122	45	172.0%	122	24	0	0	0	0	0	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	122	24	398.0%	122	24	0	0	0	0	0	0
Georgia	0	20	-100.0%	0	0	0	0	0	0	0	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	58	64	-9.9%	58	64	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	58	64	-9.9%	58	64	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	140	195	-28.0%	140	195	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	140	195	-28.0%	140	195	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	381	390	-2.2%	334	326	47	29	0	0	0	34

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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) October 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	89	-100.0%	0	0	0	0	0	0	0	89
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	89	-100.0%	0	0	0	0	0	0	0	89
East North Central	1,048	1,220	-14.0%	587	726	399	398	0	0	62	95
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	297	361	-18.0%	297	361	0	0	0	0	0	0
Michigan	276	341	-19.0%	264	322	13	19	0	0	0	0
Ohio	386	379	1.7%	0	0	386	379	0	0	0	0
Wisconsin	89	138	-36.0%	27	43	0	0	0	0	62	95
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	948	883	7.3%	841	796	0	0	0	0	107	87
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	841	796	5.6%	841	796	0	0	0	0	0	0
Georgia	107	87	23.0%	0	0	0	0	0	0	107	87
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	511	413	24.0%	511	413	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	511	413	24.0%	511	413	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,479	1,560	-5.2%	1,479	1,560	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,479	1,560	-5.2%	1,479	1,560	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	3,986	4,164	-4.3%	3,418	3,495	399	398	0	0	169	271

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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, October 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	32,477	28,805	13.0%	61	111	32,373	28,335	0	0	43	358
Connecticut	10,102	6,787	49.0%	0	0	10,102	6,787	0	0	0	0
Maine	2,518	1,481	70.0%	0	0	2,475	1,123	0	0	43	358
Massachusetts	12,624	12,900	-2.1%	60	111	12,563	12,789	0	0	0	0
New Hampshire	3,376	3,488	-3.2%	1	0	3,375	3,488	0	0	0	0
Rhode Island	3,857	4,148	-7.0%	0	0	3,857	4,148	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	94,682	87,373	8.4%	7,568	5,992	86,935	81,159	0	0	180	222
New Jersey	22,768	19,012	20.0%	0	0	22,768	19,012	0	0	0	0
New York	35,598	31,283	14.0%	7,568	5,992	27,953	25,185	0	0	76	106
Pennsylvania	36,317	37,079	-2.1%	0	0	36,214	36,963	0	0	103	116
East North Central	48,900	33,783	45.0%	20,328	16,176	27,455	16,720	428	477	689	410
Illinois	5,778	3,357	72.0%	213	112	5,562	3,238	0	0	2	6
Indiana	8,046	5,964	35.0%	6,213	4,926	1,834	1,038	0	0	0	0
Michigan	14,245	7,858	81.0%	3,221	2,019	10,193	5,291	428	477	404	72
Ohio	13,409	9,481	41.0%	4,154	2,677	9,253	6,694	0	0	2	111
Wisconsin	7,423	7,122	4.2%	6,528	6,442	613	459	0	0	281	221
West North Central	7,191	11,858	-39.0%	6,556	9,250	541	2,494	95	98	0	17
Iowa	1,630	2,324	-30.0%	1,630	2,318	0	0	0	0	0	5
Kansas	435	790	-45.0%	435	790	0	0	0	0	0	0
Minnesota	3,244	4,293	-24.0%	2,929	3,263	313	1,027	1	2	0	2
Missouri	1,498	3,995	-62.0%	1,177	2,432	228	1,467	94	96	0	0
Nebraska	97	303	-68.0%	97	293	0	0	0	0	0	9
North Dakota	28	6	337.0%	28	6	0	0	0	0	0	0
South Dakota	260	147	77.0%	260	147	0	0	0	0	0	0
South Atlantic	179,864	152,284	18.0%	147,600	121,758	29,766	28,356	0	0	2,498	2,169
Delaware	3,511	4,521	-22.0%	0	0	2,621	3,708	0	0	890	813
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	97,145	87,730	11.0%	91,351	83,651	5,795	4,025	0	0	0	54
Georgia	30,777	30,240	1.8%	19,746	18,968	9,910	10,709	0	0	1,121	564
Maryland	2,763	1,404	97.0%	0	0	2,738	1,395	0	0	25	9
North Carolina	19,156	12,559	53.0%	16,721	9,516	2,435	3,033	0	0	0	10
South Carolina	12,485	6,097	105.0%	11,834	5,206	585	861	0	0	66	30
Virginia	12,481	8,419	48.0%	7,924	4,381	4,161	3,350	0	0	396	688
West Virginia	1,546	1,313	18.0%	25	37	1,521	1,277	0	0	0	0
East South Central	63,636	52,791	21.0%	37,843	31,339	25,317	20,889	0	0	476	563
Alabama	29,954	29,121	2.9%	7,420	9,590	22,534	19,530	0	0	0	0
Kentucky	6,122	466	NM	5,111	453	1,011	13	0	0	0	0
Mississippi	22,516	20,091	12.0%	20,745	18,745	1,771	1,345	0	0	0	0
Tennessee	5,044	3,114	62.0%	4,568	2,550	0	0	0	0	476	563
West South Central	220,630	205,695	7.3%	58,860	52,919	116,106	103,629	0	0	45,664	49,148
Arkansas	4,198	4,781	-12.0%	1,039	897	2,885	3,587	0	0	274	297
Louisiana	43,145	37,809	14.0%	21,538	19,179	4,228	1,709	0	0	17,379	16,921
Oklahoma	15,932	14,969	6.4%	10,846	10,208	5,086	4,710	0	0	0	52
Texas	157,354	148,136	6.2%	25,437	22,635	103,906	93,623	0	0	28,011	31,878
Mountain	59,371	52,621	13.0%	46,022	39,336	13,300	13,284	0	0	49	1
Arizona	24,427	19,537	25.0%	15,164	10,941	9,262	8,595	0	0	0	0
Colorado	7,432	8,400	-12.0%	6,065	6,561	1,367	1,839	0	0	0	0
Idaho	2,334	1,105	111.0%	1,099	37	1,234	1,067	0	0	0	0
Montana	0	3	-100.0%	0	1	0	2	0	0	0	0
Nevada	16,691	14,467	15.0%	16,691	14,467	0	0	0	0	0	0
New Mexico	4,656	4,435	5.0%	3,244	2,738	1,413	1,697	0	0	0	0
Utah	3,823	4,586	-17.0%	3,749	4,567	24	18	0	0	49	1
Wyoming	9	88	-89.0%	9	23	0	65	0	0	0	0
Pacific Contiguous	94,159	95,324	-1.2%	35,482	34,598	55,103	57,341	0	0	3,573	3,385
California	73,826	77,253	-4.4%	22,369	22,534	47,883	51,334	0	0	3,573	3,385
Oregon	10,496	9,743	7.7%	4,499	3,979	5,997	5,764	0	0	0	0
Washington	9,837	8,328	18.0%	8,614	8,085	1,223	243	0	0	0	0
Pacific Noncontiguous	1,279	2,011	-36.0%	1,279	2,011	0	0	0	0	0	0
Alaska	1,279	2,011	-36.0%	1,279	2,011	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	802,190	722,544	11.0%	361,599	313,490	386,896	352,206	523	575	53,173	56,273

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See Glossary for definitions. Values for 2014 are final. Values for 2015 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 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) October 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	319,719	282,531	13.0%	2,104	1,827	317,038	275,593	0	0	577	5,111
Connecticut	95,681	79,122	21.0%	0	0	95,681	79,122	0	0	0	0
Maine	14,954	25,106	-40.0%	0	0	14,377	19,995	0	0	577	5,111
Massachusetts	130,243	112,653	16.0%	1,828	1,467	128,415	111,186	0	0	0	0
New Hampshire	36,208	26,279	38.0%	276	360	35,933	25,919	0	0	0	0
Rhode Island	42,632	39,370	8.3%	0	0	42,632	39,370	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	934,983	830,149	13.0%	85,114	80,038	848,210	748,298	0	0	1,659	1,812
New Jersey	222,215	181,136	23.0%	0	0	222,215	181,136	0	0	0	0
New York	365,192	340,088	7.4%	85,114	80,038	279,407	259,274	0	0	670	775
Pennsylvania	347,577	308,925	13.0%	0	0	346,588	307,888	0	0	989	1,037
East North Central	534,182	365,406	46.0%	224,526	146,462	300,247	212,192	4,096	3,899	5,313	2,853
Illinois	59,491	28,623	108.0%	4,257	2,812	55,187	25,772	0	0	48	39
Indiana	90,607	60,208	50.0%	72,404	41,694	18,204	18,514	0	0	0	0
Michigan	131,134	84,623	55.0%	28,661	22,164	94,939	57,462	4,096	3,899	3,438	1,097
Ohio	171,803	144,676	19.0%	45,854	39,347	125,639	104,639	0	0	311	690
Wisconsin	81,147	47,276	72.0%	73,351	40,446	6,279	5,804	0	0	1,517	1,026
West North Central	113,688	80,758	41.0%	97,217	67,612	15,443	12,261	1,019	759	9	127
Iowa	21,722	13,347	63.0%	21,712	13,313	0	0	0	0	9	34
Kansas	10,864	11,317	-4.0%	10,864	11,317	0	0	0	0	0	0
Minnesota	42,426	23,825	78.0%	35,713	18,474	6,639	5,222	73	49	0	79
Missouri	30,465	27,050	13.0%	20,716	19,302	8,804	7,039	945	709	0	0
Nebraska	3,253	2,986	9.0%	3,253	2,972	0	0	0	0	0	13
North Dakota	475	31	NM	475	31	0	0	0	0	0	0
South Dakota	4,483	2,201	104.0%	4,483	2,201	0	0	0	0	0	0
South Atlantic	1,895,823	1,577,894	20.0%	1,534,381	1,306,056	332,420	251,817	0	0	29,022	20,020
Delaware	48,735	43,893	11.0%	0	0	37,093	35,412	0	0	11,642	8,481
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	950,063	881,549	7.8%	908,113	842,321	41,950	38,906	0	0	0	322
Georgia	310,678	247,072	26.0%	196,208	171,034	104,087	69,696	0	0	10,383	6,341
Maryland	31,688	16,031	98.0%	0	0	31,399	15,825	0	0	290	206
North Carolina	223,591	167,465	34.0%	197,225	146,132	26,367	21,229	0	0	0	104
South Carolina	106,480	73,389	45.0%	96,026	65,333	9,940	7,792	0	0	514	264
Virginia	212,614	142,211	50.0%	135,464	79,245	70,957	58,665	0	0	6,193	4,301
West Virginia	11,973	6,282	91.0%	1,344	1,992	10,629	4,291	0	0	0	0
East South Central	698,049	537,446	30.0%	413,394	325,150	278,804	209,352	0	0	5,850	2,944
Alabama	315,836	265,883	19.0%	78,159	78,125	237,677	187,758	0	0	0	0
Kentucky	38,900	23,801	63.0%	32,198	22,276	6,702	1,525	0	0	0	0
Mississippi	279,307	206,359	35.0%	244,881	186,291	34,425	20,069	0	0	0	0
Tennessee	64,006	41,402	55.0%	58,156	38,458	0	0	0	0	5,850	2,944
West South Central	2,468,255	2,184,681	13.0%	709,909	614,955	1,249,358	1,044,230	0	0	508,988	525,497
Arkansas	96,834	63,043	54.0%	26,727	10,691	66,929	50,615	0	0	3,177	1,737
Louisiana	443,213	410,175	8.1%	249,242	209,663	26,750	17,865	0	0	167,221	182,648
Oklahoma	210,559	179,082	18.0%	138,015	120,994	72,544	57,894	0	0	0	194
Texas	1,717,649	1,532,381	12.0%	295,924	273,607	1,083,135	917,856	0	0	338,590	340,919
Mountain	556,359	495,090	12.0%	415,066	361,675	140,804	132,936	0	0	489	478
Arizona	208,622	180,533	16.0%	113,171	92,206	95,451	88,327	0	0	0	0
Colorado	70,328	74,179	-5.2%	55,615	58,110	14,713	16,068	0	0	0	0
Idaho	19,929	13,757	45.0%	11,846	6,857	8,083	6,901	0	0	0	0
Montana	0	42	-100.0%	0	12	0	30	0	0	0	0
Nevada	160,354	125,879	27.0%	160,354	124,224	0	1,655	0	0	0	0
New Mexico	54,786	54,804	0.0%	33,290	36,074	21,496	18,730	0	0	0	0
Utah	42,246	45,460	-7.1%	40,696	43,945	1,061	1,036	0	0	489	478
Wyoming	93	436	-79.0%	93	246	0	190	0	0	0	0
Pacific Contiguous	752,453	763,644	-1.5%	288,377	278,477	432,243	447,467	0	0	31,833	37,700
California	600,785	633,676	-5.2%	195,210	196,474	373,742	399,502	0	0	31,833	37,700
Oregon	88,422	71,139	24.0%	36,722	27,514	51,700	43,625	0	0	0	0
Washington	63,246	58,830	7.5%	56,445	54,489	6,801	4,341	0	0	0	0
Pacific Noncontiguous	13,089	16,962	-23.0%	13,089	16,962	0	0	0	0	0	0
Alaska	13,089	16,962	-23.0%	13,089	16,962	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	8,286,598	7,134,561	16.0%	3,783,176	3,199,215	3,914,567	3,334,147	5,114	4,658	583,741	596,542

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014
New England	W	W	W	3.95	4.46	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	--	--	W
New Hampshire	3.95	4.46	-11.0%	3.95	4.46	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.25	2.51	-10.0%	--	--	2.25	2.51
New Jersey	3.45	4.45	-22.0%	--	--	3.45	4.45
New York	2.47	3.03	-18.0%	--	--	2.47	3.03
Pennsylvania	2.19	2.42	-9.5%	--	--	2.19	2.42
East North Central	2.14	2.30	-7.0%	2.22	2.40	2.00	2.11
Illinois	1.89	1.98	-4.5%	2.02	2.00	1.85	1.97
Indiana	W	W	W	2.29	2.49	W	W
Michigan	W	W	W	2.28	2.65	W	W
Ohio	W	W	W	2.16	2.16	W	W
Wisconsin	2.18	2.25	-3.1%	2.18	2.25	--	--
West North Central	1.66	1.75	-5.1%	1.66	1.75	--	--
Iowa	1.60	1.66	-3.6%	1.60	1.66	--	--
Kansas	1.68	1.79	-6.1%	1.68	1.79	--	--
Minnesota	1.79	1.93	-7.3%	1.79	1.93	--	--
Missouri	1.84	1.97	-6.6%	1.84	1.97	--	--
Nebraska	1.31	1.40	-6.4%	1.31	1.40	--	--
North Dakota	1.43	1.43	0.0%	1.43	1.43	--	--
South Dakota	2.12	2.06	2.9%	2.12	2.06	--	--
South Atlantic	2.85	2.97	-4.0%	2.89	3.04	2.56	2.58
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.14	3.22	W	W
Georgia	2.76	2.94	-6.1%	2.76	2.94	--	--
Maryland	2.83	2.85	-0.7%	--	--	2.83	2.85
North Carolina	3.35	3.54	-5.4%	3.35	3.56	--	2.97
South Carolina	3.64	3.60	1.1%	3.64	3.60	--	--
Virginia	W	W	W	2.70	3.16	W	W
West Virginia	2.28	2.30	-0.9%	2.34	2.37	1.95	2.04
East South Central	W	2.44	W	2.27	2.44	W	--
Alabama	2.35	2.56	-8.2%	2.35	2.56	--	--
Kentucky	2.18	2.29	-4.8%	2.18	2.29	--	--
Mississippi	W	3.32	W	2.88	3.32	W	--
Tennessee	2.36	2.47	-4.5%	2.36	2.47	--	--
West South Central	1.96	2.12	-7.5%	2.13	2.19	1.79	2.04
Arkansas	W	W	W	2.28	2.47	W	W
Louisiana	W	W	W	3.40	3.09	W	W
Oklahoma	W	W	W	1.91	1.95	W	W
Texas	1.84	2.02	-8.9%	2.02	1.99	1.74	2.04
Mountain	W	1.92	W	1.88	1.99	W	1.37
Arizona	1.91	2.06	-7.3%	1.91	2.06	--	--
Colorado	1.75	1.93	-9.3%	1.75	1.93	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.70	W	W
Nevada	W	W	W	2.20	2.71	W	W
New Mexico	2.28	2.44	-6.6%	2.28	2.44	--	--
Utah	1.96	2.11	-7.1%	1.96	2.11	--	--
Wyoming	1.65	W	W	1.65	1.62	--	W
Pacific Contiguous	W	W	W	2.36	2.52	W	W
California	--	--	--	--	--	--	--
Oregon	2.36	2.52	-6.3%	2.36	2.52	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	0.33	--	W	W
Alaska	0.33	--	--	0.33	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.14	2.30	-7.0%	2.18	2.34	1.98	2.18

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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) October 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	3.59	W	W	3.93	4.30	3.39	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.93	4.30	-8.6%	3.93	4.30	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.43	2.59	-6.2%	--	3.50	2.43	2.59
New Jersey	3.85	3.89	-1.0%	--	--	3.85	3.89
New York	3.00	3.02	-0.7%	--	--	3.00	3.02
Pennsylvania	2.36	2.52	-6.3%	--	3.50	2.36	2.51
East North Central	2.20	2.33	-5.6%	2.29	2.42	2.04	2.17
Illinois	1.92	1.99	-3.5%	2.02	2.04	1.89	1.98
Indiana	W	W	W	2.32	2.57	W	W
Michigan	W	W	W	2.43	2.60	W	W
Ohio	W	W	W	2.14	2.16	W	W
Wisconsin	2.29	2.32	-1.3%	2.29	2.32	--	--
West North Central	1.73	1.79	-3.4%	1.73	1.79	--	--
Iowa	1.63	1.66	-1.8%	1.63	1.66	--	--
Kansas	1.70	1.79	-5.0%	1.70	1.79	--	--
Minnesota	1.90	1.96	-3.1%	1.90	1.96	--	--
Missouri	1.91	2.00	-4.5%	1.91	2.00	--	--
Nebraska	1.35	1.40	-3.6%	1.35	1.40	--	--
North Dakota	1.54	1.54	0.0%	1.54	1.54	--	--
South Dakota	2.16	2.09	3.3%	2.16	2.09	--	--
South Atlantic	2.95	3.08	-4.2%	2.98	3.13	2.69	2.82
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.08	3.32	W	W
Georgia	2.95	3.12	-5.4%	2.95	3.12	--	--
Maryland	2.88	2.99	-3.7%	--	--	2.88	2.99
North Carolina	3.49	3.58	-2.5%	3.49	3.60	--	3.02
South Carolina	3.56	3.63	-1.9%	3.56	3.63	--	--
Virginia	W	3.29	W	2.88	3.21	W	3.88
West Virginia	2.33	2.40	-2.9%	2.37	2.47	2.07	2.08
East South Central	W	W	W	2.33	2.52	W	W
Alabama	2.45	2.73	-10.0%	2.45	2.73	--	--
Kentucky	2.23	2.35	-5.1%	2.23	2.35	--	--
Mississippi	W	W	W	3.12	3.26	W	W
Tennessee	2.40	2.46	-2.4%	2.40	2.46	--	--
West South Central	2.07	2.09	-1.0%	2.19	2.19	1.93	1.96
Arkansas	W	W	W	2.26	2.40	W	W
Louisiana	W	W	W	3.02	2.89	W	W
Oklahoma	W	W	W	1.97	1.97	W	W
Texas	1.99	2.00	-0.5%	2.13	2.10	1.90	1.95
Mountain	W	1.94	W	1.91	1.98	W	1.51
Arizona	1.99	2.11	-5.7%	1.99	2.11	--	--
Colorado	1.79	1.94	-7.7%	1.79	1.94	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.88	W	W
Nevada	W	W	W	2.52	2.46	W	W
New Mexico	2.36	2.40	-1.7%	2.36	2.40	--	--
Utah	1.95	2.10	-7.1%	1.95	2.10	--	--
Wyoming	1.66	W	W	1.66	1.56	--	W
Pacific Contiguous	W	W	W	2.38	2.50	W	W
California	--	W	W	--	--	--	W
Oregon	2.38	2.50	-4.8%	2.38	2.50	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	0.33	--	W	W
Alaska	0.33	--	--	0.33	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.23	2.35	-5.1%	2.26	2.38	2.13	2.26

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

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014
New England	7.70	16.79	-54.0%	--	19.37	7.70	16.44
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	8.28	16.91	-51.0%	--	19.37	8.28	16.12
New Hampshire	--	W	W	--	--	--	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	13.65	22.29	W	W
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	13.65	22.29	W	W
Pennsylvania	11.35	20.09	-44.0%	--	--	11.35	20.09
East North Central	13.63	20.62	-34.0%	13.38	20.64	14.40	20.57
Illinois	W	W	W	14.52	21.25	W	W
Indiana	13.75	20.73	-34.0%	13.75	20.73	--	--
Michigan	13.73	20.29	-32.0%	13.73	20.29	--	--
Ohio	W	20.39	W	13.46	21.27	W	20.15
Wisconsin	11.87	W	W	11.87	20.12	--	W
West North Central	13.29	W	W	13.29	20.49	--	W
Iowa	11.95	20.76	-42.0%	11.95	20.76	--	--
Kansas	11.54	20.21	-43.0%	11.54	20.21	--	--
Minnesota	13.68	W	W	13.68	21.33	--	W
Missouri	14.32	20.06	-29.0%	14.32	20.06	--	--
Nebraska	--	20.71	--	--	20.71	--	--
North Dakota	11.79	21.97	-46.0%	11.79	21.97	--	--
South Dakota	12.22	--	--	12.22	--	--	--
South Atlantic	W	19.53	W	12.70	19.71	W	19.14
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	11.85	W	W	11.85	18.44	--	W
Georgia	10.82	20.27	-47.0%	10.82	20.27	--	--
Maryland	9.21	W	W	--	--	9.21	W
North Carolina	11.43	W	W	11.43	19.10	--	W
South Carolina	13.77	19.93	-31.0%	13.77	19.93	--	--
Virginia	W	W	W	13.07	20.24	W	W
West Virginia	13.45	W	W	13.45	21.12	--	W
East South Central	13.15	19.86	-34.0%	13.15	19.86	--	--
Alabama	13.11	19.28	-32.0%	13.11	19.28	--	--
Kentucky	13.34	20.10	-34.0%	13.34	20.10	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	11.34	18.97	-40.0%	11.34	18.97	--	--
West South Central	W	19.32	W	11.60	19.30	W	19.40
Arkansas	W	W	W	11.98	--	W	W
Louisiana	W	W	W	10.71	19.36	W	W
Oklahoma	12.43	20.33	-39.0%	12.43	20.33	--	--
Texas	11.60	W	W	11.60	19.09	--	W
Mountain	W	W	W	13.07	21.29	W	W
Arizona	13.86	19.86	-30.0%	13.86	19.86	--	--
Colorado	--	20.29	--	--	20.29	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	W	W	W	19.08	22.86	W	W
New Mexico	12.55	21.84	-43.0%	12.55	21.84	--	--
Utah	14.62	W	W	14.62	22.16	--	W
Wyoming	11.72	21.73	-46.0%	11.72	21.73	--	--
Pacific Contiguous	W	19.00	W	--	19.00	W	--
California	--	--	--	--	--	--	--
Oregon	--	19.00	--	--	19.00	--	--
Washington	W	--	W	--	--	W	--
Pacific Noncontiguous	W	W	W	8.34	19.00	W	W
Alaska	1.63	--	--	1.63	--	--	--
Hawaii	W	W	W	8.36	19.00	W	W
U.S. Total	9.08	18.52	-51.0%	9.54	19.33	8.69	17.58

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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) October 2015 and 2014 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	W	19.24	W	11.46	18.27	W	19.47
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	12.47	19.20	-35.0%	22.01	20.41	12.42	18.97
New Hampshire	W	W	W	10.51	16.92	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.23	21.02	-42.0%	10.26	19.84	13.30	21.38
New Jersey	14.22	23.27	-39.0%	--	--	14.22	23.27
New York	11.89	20.17	-41.0%	10.26	19.84	13.20	20.34
Pennsylvania	13.39	23.06	-42.0%	--	--	13.39	23.06
East North Central	13.98	W	W	13.90	22.79	14.21	W
Illinois	W	22.97	W	14.23	23.04	W	22.94
Indiana	14.12	22.80	-38.0%	14.12	22.80	--	--
Michigan	13.30	22.09	-40.0%	13.30	22.09	--	--
Ohio	13.87	W	W	13.62	23.97	14.16	W
Wisconsin	W	W	W	15.57	21.99	W	W
West North Central	13.25	W	W	13.25	22.07	--	W
Iowa	13.12	22.03	-40.0%	13.12	22.03	--	--
Kansas	12.95	21.77	-41.0%	12.95	21.77	--	--
Minnesota	13.81	W	W	13.81	22.46	--	W
Missouri	13.34	21.79	-39.0%	13.34	21.79	--	--
Nebraska	22.03	22.05	-0.1%	22.03	22.05	--	--
North Dakota	13.06	22.96	-43.0%	13.06	22.96	--	--
South Dakota	12.47	22.70	-45.0%	12.47	22.70	--	--
South Atlantic	12.90	22.19	-42.0%	12.65	22.16	13.78	22.27
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	14.45	22.45	W	W
Georgia	16.82	W	W	18.29	23.12	14.11	W
Maryland	10.79	21.77	-50.0%	--	--	10.79	21.77
North Carolina	W	22.55	W	13.82	22.60	W	20.80
South Carolina	15.11	22.84	-34.0%	15.11	22.84	--	--
Virginia	11.92	21.76	-45.0%	10.74	21.49	18.25	23.20
West Virginia	W	W	W	14.14	23.13	W	W
East South Central	W	W	W	12.97	21.94	W	W
Alabama	W	W	W	13.35	21.89	W	W
Kentucky	13.79	21.99	-37.0%	13.79	21.99	--	--
Mississippi	10.49	21.59	-51.0%	10.49	21.59	--	--
Tennessee	12.75	21.93	-42.0%	12.75	21.93	--	--
West South Central	13.28	21.14	-37.0%	13.21	20.98	13.45	21.34
Arkansas	W	W	W	13.59	22.91	W	W
Louisiana	W	W	W	12.53	20.58	W	W
Oklahoma	13.81	22.28	-38.0%	13.81	22.28	--	--
Texas	W	W	W	13.49	20.99	W	W
Mountain	W	W	W	15.03	23.49	W	W
Arizona	13.98	23.09	-39.0%	13.98	23.09	--	--
Colorado	15.01	23.17	-35.0%	15.01	23.17	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	17.21	23.91	W	W
New Mexico	15.75	24.32	-35.0%	15.75	24.32	--	--
Utah	14.90	W	W	14.90	22.54	--	W
Wyoming	14.73	22.98	-36.0%	14.73	22.98	--	--
Pacific Contiguous	W	W	W	16.49	20.84	W	W
California	--	--	--	--	--	--	--
Oregon	16.49	20.84	-21.0%	16.49	20.84	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	11.32	20.84	W	W
Alaska	1.63	--	--	1.63	--	--	--
Hawaii	W	W	W	11.32	20.84	W	W
U.S. Total	11.95	21.18	-44.0%	11.89	21.21	12.05	21.13

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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, October 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.47	1.38	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.95	0.85	12.0%	0.95	0.85	--	--
Michigan	1.66	W	W	1.66	1.42	--	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.71	--	--	1.71	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.01	2.04	-1.5%	2.01	2.04	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.01	2.04	-1.5%	2.01	2.04	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.58	1.79	-12.0%	1.58	1.79	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.58	1.79	-12.0%	1.58	1.79	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.66	1.61	3.1%	1.66	1.61	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.66	1.61	3.1%	1.66	1.61	--	--
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	1.77	1.65	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) October 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 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	1.32	1.22	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.95	0.96	-1.0%	0.95	0.96	--	--
Michigan	W	W	W	1.76	1.45	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.66	1.86	-11.0%	1.66	1.86	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.23	2.40	-7.1%	2.23	2.40	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.23	2.40	-7.1%	2.23	2.40	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.71	1.76	-2.8%	1.71	1.76	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.71	1.76	-2.8%	1.71	1.76	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.86	2.00	-7.0%	1.86	2.00	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.86	2.00	-7.0%	1.86	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	1.90	1.95	-2.6%	1.84	1.91	2.44	2.48

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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, October 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015	October 2014	Percentage Change	October 2015	October 2014	October 2015	October 2014
New England	3.79	W	W	3.13	3.15	3.79	W
Connecticut	3.08	2.93	5.1%	--	--	3.08	2.93
Maine	W	W	W	--	--	W	W
Massachusetts	4.20	3.50	20.0%	3.11	3.13	4.21	3.51
New Hampshire	W	W	W	3.93	8.56	W	W
Rhode Island	3.64	3.60	1.1%	--	--	3.64	3.60
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.06	2.67	-23.0%	2.40	3.24	2.02	2.62
New Jersey	1.93	2.66	-27.0%	--	--	1.93	2.66
New York	2.52	3.18	-21.0%	2.40	3.24	2.56	3.17
Pennsylvania	1.65	2.19	-25.0%	--	--	1.65	2.19
East North Central	2.56	3.91	-35.0%	2.62	4.06	2.51	3.76
Illinois	W	4.15	W	4.17	5.84	W	4.09
Indiana	W	W	W	2.60	4.08	W	W
Michigan	2.83	4.40	-36.0%	2.88	4.32	2.81	4.43
Ohio	2.05	W	W	2.06	3.17	2.05	W
Wisconsin	W	W	W	2.82	4.30	W	W
West North Central	W	W	W	3.25	4.40	W	W
Iowa	2.71	3.88	-30.0%	2.71	3.88	--	--
Kansas	4.50	4.96	-9.3%	4.50	4.96	--	--
Minnesota	W	W	W	3.40	4.71	W	W
Missouri	W	W	W	3.30	4.17	W	W
Nebraska	3.01	4.41	-32.0%	3.01	4.41	--	--
North Dakota	2.69	3.45	-22.0%	2.69	3.45	--	--
South Dakota	2.74	6.47	-58.0%	2.74	6.47	--	--
South Atlantic	3.65	4.83	-24.0%	3.81	5.00	2.49	3.75
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.17	W	W	4.21	5.12	2.48	W
Georgia	2.77	4.25	-35.0%	2.80	4.27	2.69	4.20
Maryland	2.92	W	W	--	--	2.92	W
North Carolina	W	W	W	4.26	6.18	W	W
South Carolina	W	W	W	2.68	4.43	W	W
Virginia	W	W	W	2.56	4.13	W	W
West Virginia	W	W	W	1.97	3.33	W	W
East South Central	2.64	4.10	-36.0%	2.66	4.11	2.61	4.09
Alabama	2.70	W	W	2.84	4.11	2.64	W
Kentucky	W	W	W	2.87	7.93	W	W
Mississippi	W	W	W	2.59	4.03	W	W
Tennessee	2.46	4.07	-40.0%	2.46	4.07	--	--
West South Central	2.59	4.03	-36.0%	2.68	4.15	2.53	3.96
Arkansas	W	W	W	4.06	5.50	W	W
Louisiana	W	W	W	2.66	4.08	W	W
Oklahoma	W	W	W	2.77	4.28	W	W
Texas	2.56	3.99	-36.0%	2.60	4.09	2.54	3.96
Mountain	W	4.50	W	3.04	4.51	W	4.38
Arizona	W	4.43	W	3.10	4.51	W	4.17
Colorado	W	4.56	W	2.89	4.47	W	4.99
Idaho	2.92	9.58	-70.0%	2.92	9.58	--	--
Montana	--	W	W	--	5.46	--	W
Nevada	3.10	4.62	-33.0%	3.10	4.62	--	--
New Mexico	2.95	4.60	-36.0%	2.95	4.60	--	--
Utah	W	W	W	2.85	4.15	W	W
Wyoming	5.19	W	W	5.19	5.11	--	W
Pacific Contiguous	3.00	4.36	-31.0%	3.21	4.52	2.81	4.20
California	3.08	4.47	-31.0%	3.36	4.68	2.90	4.31
Oregon	W	W	W	2.68	3.92	W	W
Washington	W	W	W	3.15	4.44	W	W
Pacific Noncontiguous	5.42	4.95	9.5%	5.42	4.95	--	--
Alaska	5.42	4.95	9.5%	5.42	4.95	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.93	4.10	-29.0%	3.25	4.55	2.55	3.58

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

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2015 YTD	October 2014 YTD	Percentage Change	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	4.38	6.53	-33.0%	3.89	5.51	4.38	6.54
Connecticut	4.52	6.90	-34.0%	--	--	4.52	6.90
Maine	W	W	W	--	--	W	W
Massachusetts	4.41	6.38	-31.0%	3.77	5.47	4.42	6.40
New Hampshire	W	W	W	4.69	5.67	W	W
Rhode Island	3.71	6.24	-41.0%	--	--	3.71	6.24
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.08	5.20	-41.0%	3.79	5.49	3.00	5.16
New Jersey	3.07	4.87	-37.0%	--	--	3.07	4.87
New York	3.52	5.40	-35.0%	3.79	5.49	3.42	5.37
Pennsylvania	2.60	5.13	-49.0%	--	--	2.60	5.13
East North Central	2.95	5.35	-45.0%	3.09	5.43	2.83	5.29
Illinois	3.22	W	W	3.83	6.05	3.17	W
Indiana	W	W	W	3.06	5.39	W	W
Michigan	3.31	6.93	-52.0%	3.43	7.05	3.27	6.88
Ohio	2.36	4.26	-45.0%	2.53	4.54	2.30	4.15
Wisconsin	W	W	W	3.30	5.41	W	W
West North Central	W	5.70	W	3.49	5.77	W	5.33
Iowa	3.07	6.21	-51.0%	3.07	6.21	--	--
Kansas	3.75	5.60	-33.0%	3.75	5.60	--	--
Minnesota	W	W	W	3.74	5.95	W	W
Missouri	W	W	W	3.38	5.43	W	W
Nebraska	3.74	5.71	-35.0%	3.74	5.71	--	--
North Dakota	2.93	3.80	-23.0%	2.93	3.80	--	--
South Dakota	3.28	5.30	-38.0%	3.28	5.30	--	--
South Atlantic	4.08	5.50	-26.0%	4.23	5.56	3.04	5.00
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.39	5.48	-20.0%	4.42	5.50	2.92	4.40
Georgia	3.29	4.98	-34.0%	3.31	5.01	3.25	4.88
Maryland	4.11	5.26	-22.0%	--	--	4.11	5.26
North Carolina	W	W	W	4.83	6.25	W	W
South Carolina	W	W	W	3.52	4.98	W	W
Virginia	3.52	6.17	-43.0%	3.96	6.59	2.23	5.42
West Virginia	W	W	W	2.84	6.03	W	W
East South Central	3.03	4.77	-36.0%	3.04	4.77	3.02	4.77
Alabama	3.09	W	W	3.14	4.69	3.07	W
Kentucky	W	W	W	3.71	6.03	W	W
Mississippi	W	W	W	2.97	4.67	W	W
Tennessee	2.81	4.68	-40.0%	2.81	4.68	--	--
West South Central	2.93	4.67	-37.0%	3.04	4.82	2.85	4.57
Arkansas	W	W	W	3.39	7.14	W	W
Louisiana	3.03	W	W	3.05	4.69	2.83	W
Oklahoma	W	W	W	3.11	5.13	W	W
Texas	2.88	4.58	-37.0%	2.96	4.69	2.86	4.55
Mountain	W	5.13	W	3.33	5.18	W	4.77
Arizona	3.39	5.18	-35.0%	3.51	5.43	3.04	4.61
Colorado	3.65	W	W	3.51	5.29	4.39	W
Idaho	2.96	W	W	2.96	5.32	--	W
Montana	--	W	W	--	6.49	--	W
Nevada	3.27	W	W	3.27	5.18	--	W
New Mexico	3.20	4.93	-35.0%	3.20	4.93	--	--
Utah	W	W	W	3.01	4.71	W	W
Wyoming	5.11	W	W	5.11	5.72	--	W
Pacific Contiguous	3.25	5.04	-36.0%	3.48	5.16	3.02	4.94
California	3.37	5.15	-35.0%	3.70	5.37	3.12	4.99
Oregon	W	W	W	2.82	4.34	W	W
Washington	W	W	W	3.32	4.95	W	W
Pacific Noncontiguous	5.36	5.04	6.3%	5.36	5.04	--	--
Alaska	5.36	5.04	6.3%	5.36	5.04	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.37	5.15	-35.0%	3.63	5.26	3.06	5.03

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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 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, October 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	67	2.43	7.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	9	0.73	8.1	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	58	2.70	7.7	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,954	3.12	10.7	13	0.22	4.5	0	--	--
New Jersey	80	1.52	7.6	0	--	--	0	--	--
New York	58	2.12	7.9	13	0.22	4.5	0	--	--
Pennsylvania	1,815	3.23	10.9	0	--	--	0	--	--
East North Central	6,437	3.10	10.1	8,874	0.25	4.9	0	--	--
Illinois	810	3.55	19.3	3,999	0.21	4.7	0	--	--
Indiana	2,656	2.85	8.9	177	0.27	5.0	0	--	--
Michigan	117	1.66	7.9	2,791	0.30	5.0	0	--	--
Ohio	2,831	3.28	9.1	0	--	--	0	--	--
Wisconsin	22	2.62	8.1	1,908	0.26	5.4	0	--	--
West North Central	116	3.39	9.4	9,414	0.28	5.2	1,769	0.82	10.3
Iowa	37	3.38	8.1	1,918	0.27	5.0	0	--	--
Kansas	18	3.53	13.4	1,367	0.32	5.1	0	--	--
Minnesota	0	--	--	1,407	0.37	6.4	0	--	--
Missouri	61	3.35	9.0	3,258	0.23	4.9	0	--	--
Nebraska	0	--	--	1,326	0.30	5.4	0	--	--
North Dakota	0	--	--	12	0.38	4.5	1,769	0.82	10.3
South Dakota	0	--	--	127	0.33	5.4	0	--	--
South Atlantic	7,481	2.20	10.1	1,137	0.31	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,520	2.28	8.3	0	--	--	0	--	--
Georgia	728	2.25	9.3	1,092	0.32	5.1	0	--	--
Maryland	444	2.34	10.0	44	0.20	4.7	0	--	--
North Carolina	1,491	1.65	10.0	0	--	--	0	--	--
South Carolina	430	1.76	8.7	0	--	--	0	--	--
Virginia	532	1.05	13.2	0	--	--	0	--	--
West Virginia	2,337	2.79	11.2	0	--	--	0	--	--
East South Central	4,461	2.61	9.2	2,278	0.26	5.3	124	0.40	12.9
Alabama	690	1.62	10.1	974	0.24	5.3	0	--	--
Kentucky	2,897	2.94	9.3	863	0.30	5.5	0	--	--
Mississippi	105	1.84	7.7	110	0.28	5.8	124	0.40	12.9
Tennessee	769	2.37	8.3	331	0.22	4.7	0	--	--
West South Central	91	2.15	19.5	8,976	0.28	5.2	3,403	0.96	16.8
Arkansas	0	--	--	1,321	0.27	5.3	0	--	--
Louisiana	35	2.72	9.6	427	0.32	5.2	221	0.55	16.4
Oklahoma	56	1.74	26.7	1,494	0.24	4.8	0	--	--
Texas	0	--	--	5,734	0.29	5.2	3,182	0.99	16.8
Mountain	2,668	0.56	13.2	6,097	0.54	9.4	0	--	--
Arizona	566	0.58	10.7	1,390	0.59	9.8	0	--	--
Colorado	239	0.46	10.0	970	0.30	5.4	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	897	0.73	9.8	0	--	--
Nevada	72	0.51	9.7	81	0.33	7.1	0	--	--
New Mexico	385	0.76	23.9	651	0.74	21.7	0	--	--
Utah	1,405	0.53	12.4	0	--	--	0	--	--
Wyoming	0	--	--	2,107	0.47	7.1	0	--	--
Pacific Contiguous	44	0.50	9.9	312	0.37	7.2	0	--	--
California	44	0.50	9.9	0	--	--	0	--	--
Oregon	0	--	--	125	0.26	4.4	0	--	--
Washington	0	--	--	187	0.44	9.2	0	--	--
Pacific Noncontiguous	58	1.20	4.1	0	--	--	18	0.15	9.6
Alaska	0	--	--	0	--	--	18	0.15	9.6
Hawaii	58	1.20	4.1	0	--	--	0	--	--
U.S. Total	23,376	2.43	10.3	37,101	0.32	5.9	5,315	0.90	14.5

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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, October 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	58	2.70	7.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	58	2.70	7.7	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	3,777	2.95	8.9	5,803	0.28	5.1	0	--	--
Illinois	186	3.24	12.2	946	0.23	4.8	0	--	--
Indiana	2,429	2.81	8.8	177	0.27	5.0	0	--	--
Michigan	99	1.85	8.2	2,791	0.30	5.0	0	--	--
Ohio	1,064	3.31	8.6	0	--	--	0	--	--
Wisconsin	0	--	--	1,889	0.26	5.3	0	--	--
West North Central	73	3.42	10.1	9,333	0.28	5.3	1,769	0.82	10.3
Iowa	0	--	--	1,837	0.27	5.0	0	--	--
Kansas	18	3.53	13.4	1,367	0.32	5.1	0	--	--
Minnesota	0	--	--	1,407	0.37	6.4	0	--	--
Missouri	55	3.38	9.0	3,258	0.23	4.9	0	--	--
Nebraska	0	--	--	1,326	0.30	5.4	0	--	--
North Dakota	0	--	--	12	0.38	4.5	1,769	0.82	10.3
South Dakota	0	--	--	127	0.33	5.4	0	--	--
South Atlantic	6,592	2.13	10.1	1,092	0.32	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,493	2.32	8.3	0	--	--	0	--	--
Georgia	725	2.26	9.3	1,092	0.32	5.1	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,491	1.65	10.0	0	--	--	0	--	--
South Carolina	430	1.76	8.7	0	--	--	0	--	--
Virginia	440	1.02	14.3	0	--	--	0	--	--
West Virginia	2,013	2.62	11.1	0	--	--	0	--	--
East South Central	4,354	2.66	9.3	2,278	0.26	5.3	0	--	--
Alabama	690	1.62	10.1	974	0.24	5.3	0	--	--
Kentucky	2,897	2.94	9.3	863	0.30	5.5	0	--	--
Mississippi	105	1.84	7.7	110	0.28	5.8	0	--	--
Tennessee	662	2.65	8.5	331	0.22	4.7	0	--	--
West South Central	35	2.72	9.6	5,486	0.26	5.2	509	1.23	21.4
Arkansas	0	--	--	1,156	0.26	5.3	0	--	--
Louisiana	35	2.72	9.6	147	0.35	4.8	221	0.55	16.4
Oklahoma	0	--	--	1,340	0.24	4.8	0	--	--
Texas	0	--	--	2,844	0.26	5.3	288	1.89	26.2
Mountain	2,650	0.56	13.3	5,155	0.51	9.4	0	--	--
Arizona	566	0.58	10.7	1,390	0.59	9.8	0	--	--
Colorado	239	0.46	10.0	970	0.30	5.4	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	72	0.51	9.7	36	0.44	9.2	0	--	--
New Mexico	385	0.76	23.9	651	0.74	21.7	0	--	--
Utah	1,388	0.53	12.5	0	--	--	0	--	--
Wyoming	0	--	--	2,107	0.47	7.1	0	--	--
Pacific Contiguous	0	--	--	125	0.26	4.4	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	125	0.26	4.4	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	18	0.15	9.6
Alaska	0	--	--	0	--	--	18	0.15	9.6
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	17,539	2.23	10.1	29,272	0.32	5.9	2,296	0.90	12.7

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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, October 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	8	0.73	8.1	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.73	8.1	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,910	3.16	10.7	13	0.22	4.5	0	--	--
New Jersey	80	1.52	7.6	0	--	--	0	--	--
New York	25	2.74	8.1	13	0.22	4.5	0	--	--
Pennsylvania	1,804	3.24	10.9	0	--	--	0	--	--
East North Central	2,495	3.31	11.9	3,037	0.21	4.7	0	--	--
Illinois	503	3.70	26.0	3,037	0.21	4.7	0	--	--
Indiana	227	3.25	10.0	0	--	--	0	--	--
Michigan	18	0.39	5.6	0	--	--	0	--	--
Ohio	1,748	3.26	9.4	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	796	2.83	10.1	44	0.20	4.7	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	26	0.63	9.3	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	420	2.36	9.4	44	0.20	4.7	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	57	0.81	8.9	0	--	--	0	--	--
West Virginia	293	4.15	11.5	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	124	0.40	12.9
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	124	0.40	12.9
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	56	1.74	26.7	3,489	0.32	5.2	2,894	0.91	16.0
Arkansas	0	--	--	165	0.27	5.2	0	--	--
Louisiana	0	--	--	280	0.30	5.4	0	--	--
Oklahoma	56	1.74	26.7	154	0.25	4.6	0	--	--
Texas	0	--	--	2,891	0.33	5.2	2,894	0.91	16.0
Mountain	0	--	--	942	0.71	9.6	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	897	0.73	9.8	0	--	--
Nevada	0	--	--	45	0.24	5.2	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	187	0.44	9.2	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	187	0.44	9.2	0	--	--
Pacific Noncontiguous	58	1.20	4.1	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	58	1.20	4.1	0	--	--	0	--	--
U.S. Total	5,323	3.14	11.2	7,713	0.32	5.6	3,019	0.90	15.9

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See 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 2015 are preliminary. Values for 2014 are final. 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 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, October 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	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	6	3.08	8.5	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	6	3.08	8.5	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	6	3.08	8.5	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.
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See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. 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, October 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	0.73	8.1	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.73	8.1	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	44	1.71	8.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	33	1.63	7.7	0	--	--	0	--	--
Pennsylvania	11	1.97	12.4	0	--	--	0	--	--
East North Central	164	3.35	8.4	35	0.35	5.6	0	--	--
Illinois	121	3.50	8.0	16	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	1	0.86	9.8	0	--	--	0	--	--
Ohio	20	3.42	11.1	0	--	--	0	--	--
Wisconsin	22	2.62	8.1	19	0.29	5.8	0	--	--
West North Central	37	3.38	8.1	81	0.22	4.4	0	--	--
Iowa	37	3.38	8.1	81	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	93	1.48	12.6	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	3	0.80	10.0	0	--	--	0	--	--
Maryland	24	1.83	22.1	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	35	1.79	7.8	0	--	--	0	--	--
West Virginia	31	0.95	12.1	0	--	--	0	--	--
East South Central	107	0.81	7.1	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	107	0.81	7.1	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	18	0.50	9.9	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	18	0.50	9.9	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	44	0.50	9.9	0	--	--	0	--	--
California	44	0.50	9.9	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	508	1.92	9.1	116	0.26	4.8	0	--	--

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. 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 - October 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	1,394,812	1,337,079	985,352	7,625	3,724,868
2014	1,407,208	1,352,158	997,576	7,758	3,764,700
Year 2013					
January	131,785	107,729	80,505	664	320,683
February	113,114	101,016	76,692	659	291,480
March	112,097	104,011	80,474	644	297,226
April	95,541	101,395	80,216	630	277,782
May	95,192	108,683	84,897	627	289,398
June	117,982	117,410	84,170	638	320,201
July	143,855	127,311	86,887	649	358,701
August	138,065	127,063	87,806	645	353,580
Sept	121,419	118,408	83,025	626	323,478
October	98,893	111,907	82,980	591	294,370
November	97,904	103,384	79,632	574	281,494
December	128,966	108,762	78,067	679	316,475
Year 2014					
January	146,511	113,866	80,149	712	341,238
February	128,475	104,353	75,413	700	308,941
March	114,233	106,968	80,539	648	302,388
April	92,290	102,459	80,505	640	275,894
May	95,727	109,666	85,383	646	291,421
June	118,049	118,423	85,711	609	322,792
July	137,028	125,434	88,417	645	351,524
August	135,830	125,603	89,808	642	351,883
Sept	120,741	120,049	85,489	628	326,907
October	98,038	113,023	84,994	625	296,680
November	99,486	104,245	81,044	637	285,413
December	120,801	108,070	80,123	626	309,620
Year 2015					
January	137,528	110,807	77,086	670	326,091
February	123,774	105,391	74,395	702	304,262
March	116,862	107,645	77,204	682	302,392
April	89,923	103,857	77,891	623	272,294
May	94,860	109,012	80,603	611	285,086
June	119,922	118,956	83,565	612	323,054
July	145,413	128,289	85,205	650	359,557
August	144,085	128,233	85,704	627	358,649
Sept	124,992	121,934	82,141	617	329,684
October	99,083	112,791	80,903	637	293,414
Year to Date					
2013	1,167,942	1,124,932	827,653	6,372	3,126,899
2014	1,186,922	1,139,843	836,409	6,494	3,169,668
2015	1,196,442	1,146,913	804,696	6,431	3,154,482
Rolling 12 Months Ending in October					
2014	1,413,792	1,351,989	994,108	7,747	3,767,637
2015	1,416,729	1,359,229	965,863	7,695	3,749,515

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 2014 and prior years are final. Values for 2015 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 - October 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	169,131	137,188	67,934	805	375,058
2014	176,178	145,253	70,855	810	393,096
Year 2013					
January	15,100	10,527	5,233	70	30,929
February	13,153	10,158	5,105	70	28,485
March	13,016	10,421	5,345	66	28,849
April	11,397	10,099	5,279	65	26,839
May	11,805	11,112	5,732	66	28,715
June	14,793	12,501	6,102	69	33,465
July	18,193	13,624	6,473	71	38,361
August	17,294	13,581	6,474	69	37,418
Sept	15,192	12,468	5,998	68	33,727
October	12,225	11,504	5,700	62	29,492
November	11,843	10,365	5,294	60	27,563
December	15,120	10,829	5,197	69	31,215
Year 2014					
January	17,075	11,790	5,596	78	34,539
February	15,338	11,142	5,370	73	31,922
March	13,996	11,390	5,632	68	31,087
April	11,365	10,715	5,451	65	27,596
May	12,300	11,555	5,833	65	29,753
June	15,337	12,974	6,335	65	34,710
July	17,943	14,014	6,742	69	38,767
August	17,708	13,876	6,748	64	38,396
Sept	15,639	13,399	6,299	69	35,406
October	12,352	12,239	6,007	64	30,663
November	12,417	10,967	5,470	65	28,920
December	14,707	11,192	5,372	66	31,336
Year 2015					
January	16,631	11,376	5,114	71	33,193
February	15,202	11,166	5,135	75	31,578
March	14,433	11,380	5,259	69	31,141
April	11,363	10,716	5,139	61	27,279
May	12,285	11,354	5,405	60	29,105
June	15,507	12,859	5,930	63	34,360
July	18,884	14,137	6,339	68	39,428
August	18,633	13,976	6,277	64	38,949
Sept	16,330	13,336	5,898	64	35,627
October	12,616	12,067	5,564	64	30,311
Year to Date					
2013	142,168	115,995	57,442	675	316,280
2014	149,054	123,094	60,013	680	332,841
2015	151,884	122,368	56,060	659	330,971
Rolling 12 Months Ending in October					
2014	176,017	144,288	70,504	809	391,618
2015	179,008	144,527	66,902	790	391,226

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 2014 and prior years are final. Values for 2015 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 - October 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	12.13	10.26	6.89	10.55	10.07
2014	12.52	10.74	7.10	10.45	10.44
Year 2013					
January	11.46	9.77	6.50	10.53	9.64
February	11.63	10.06	6.66	10.56	9.77
March	11.61	10.02	6.64	10.25	9.71
April	11.93	9.96	6.58	10.28	9.66
May	12.40	10.22	6.75	10.50	9.92
June	12.54	10.65	7.25	10.76	10.45
July	12.65	10.70	7.45	10.97	10.69
August	12.53	10.69	7.37	10.77	10.58
Sept	12.51	10.53	7.22	10.88	10.43
October	12.36	10.28	6.87	10.46	10.02
November	12.10	10.03	6.65	10.49	9.79
December	11.72	9.96	6.66	10.20	9.86
Year 2014					
January	11.65	10.35	6.98	10.93	10.12
February	11.94	10.68	7.12	10.41	10.33
March	12.25	10.65	6.99	10.43	10.28
April	12.31	10.46	6.77	10.23	10.00
May	12.85	10.54	6.83	10.06	10.21
June	12.99	10.96	7.39	10.60	10.75
July	13.09	11.17	7.62	10.68	11.03
August	13.04	11.05	7.51	10.02	10.91
Sept	12.95	11.16	7.37	11.02	10.83
October	12.60	10.83	7.07	10.27	10.34
November	12.48	10.52	6.75	10.20	10.13
December	12.17	10.36	6.70	10.48	10.12
Year 2015					
January	12.09	10.27	6.63	10.59	10.18
February	12.28	10.59	6.90	10.70	10.38
March	12.35	10.57	6.81	10.17	10.30
April	12.64	10.32	6.60	9.81	10.02
May	12.95	10.42	6.71	9.87	10.21
June	12.93	10.81	7.10	10.25	10.64
July	12.99	11.02	7.44	10.45	10.97
August	12.93	10.90	7.32	10.20	10.86
Sept	13.06	10.94	7.18	10.32	10.81
October	12.73	10.70	6.88	10.01	10.33
Year to Date					
2013	12.17	10.31	6.94	10.60	10.11
2014	12.56	10.80	7.18	10.47	10.50
2015	12.69	10.67	6.97	10.25	10.49
Rolling 12 Months Ending in October					
2014	12.45	10.67	7.09	10.45	10.39
2015	12.64	10.63	6.93	10.26	10.43

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

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	3,339	3,168	4,353	4,314	1,600	1,637	42	43	9,335	9,162
Connecticut	849	801	1,017	1,010	296	284	13	14	2,175	2,108
Maine	395	335	373	324	355	322	0	0	1,123	980
Massachusetts	1,397	1,360	2,136	2,131	604	689	27	27	4,164	4,206
New Hampshire	323	311	367	354	166	165	0	0	855	831
Rhode Island	227	212	296	327	64	63	2	2	589	605
Vermont	149	149	164	168	115	114	0	0	429	432
Middle Atlantic	9,109	8,735	12,630	12,655	6,001	6,297	334	318	28,075	28,005
New Jersey	1,817	1,793	3,040	3,114	595	656	26	25	5,477	5,587
New York	3,764	3,515	6,148	6,134	1,451	1,529	239	225	11,602	11,403
Pennsylvania	3,528	3,427	3,442	3,407	3,956	4,112	70	68	10,995	11,015
East North Central	11,797	12,174	14,768	14,701	15,642	17,025	45	49	42,253	43,949
Illinois	2,863	2,951	4,007	3,976	3,369	3,639	41	45	10,279	10,611
Indiana	2,022	2,088	1,946	1,972	3,713	4,122	2	1	7,683	8,183
Michigan	2,260	2,304	3,158	3,001	2,497	2,782	0	0	7,915	8,087
Ohio	3,208	3,314	3,769	3,849	4,065	4,433	2	2	11,044	11,598
Wisconsin	1,445	1,517	1,889	1,903	1,998	2,050	0	0	5,332	5,471
West North Central	6,491	6,658	8,160	8,026	7,254	7,909	3	3	21,908	22,596
Iowa	858	918	974	1,011	1,787	1,748	0	0	3,619	3,677
Kansas	830	823	1,258	1,227	877	941	0	0	2,964	2,992
Minnesota	1,493	1,534	1,905	1,849	1,672	1,974	2	2	5,073	5,358
Missouri	2,060	2,087	2,378	2,364	1,329	1,472	2	2	5,769	5,924
Nebraska	646	638	775	766	777	846	0	0	2,199	2,250
North Dakota	302	350	481	443	589	674	0	0	1,372	1,467
South Dakota	301	308	388	367	223	253	0	0	912	928
South Atlantic	24,455	24,333	25,396	25,499	12,026	12,155	101	109	61,979	62,096
Delaware	290	271	386	346	193	235	0	0	868	852
District of Columbia	154	132	573	692	21	21	25	28	773	873
Florida	9,927	9,641	8,111	7,995	1,385	1,390	8	8	19,431	19,034
Georgia	3,717	3,797	3,783	3,859	2,715	2,754	13	14	10,228	10,424
Maryland	1,539	1,663	2,433	2,289	302	311	37	43	4,313	4,307
North Carolina	3,527	3,521	3,901	3,989	2,294	2,287	1	1	9,722	9,797
South Carolina	1,903	1,898	1,727	1,777	2,445	2,464	0	0	6,075	6,139
Virginia	2,719	2,717	3,855	3,930	1,570	1,522	18	16	8,161	8,185
West Virginia	680	693	627	622	1,101	1,171	0	0	2,407	2,485
East South Central	7,710	7,865	7,162	7,328	8,483	9,190	0	0	23,356	24,383
Alabama	2,045	2,135	1,809	1,864	2,838	2,969	0	0	6,693	6,968
Kentucky	1,598	1,635	1,492	1,523	2,465	2,746	0	0	5,556	5,904
Mississippi	1,390	1,420	1,193	1,228	1,390	1,401	0	0	3,972	4,048
Tennessee	2,677	2,676	2,668	2,714	1,790	2,073	0	0	7,134	7,463
West South Central	16,599	16,229	17,270	17,262	14,642	15,173	18	17	48,528	48,681
Arkansas	1,270	1,273	1,026	1,050	1,389	1,439	0	0	3,685	3,763
Louisiana	2,398	2,440	2,120	2,119	2,657	3,007	1	1	7,176	7,567
Oklahoma	1,432	1,534	1,582	1,732	1,409	1,522	0	0	4,423	4,787
Texas	11,499	10,982	12,543	12,361	9,187	9,205	17	16	33,246	32,564
Mountain	7,152	6,786	7,876	7,778	7,018	6,934	11	10	22,057	21,508
Arizona	2,564	2,431	2,463	2,500	1,312	1,282	1	0	6,340	6,213
Colorado	1,445	1,352	1,705	1,668	1,320	1,284	5	5	4,475	4,309
Idaho	521	528	502	491	589	627	0	0	1,612	1,646
Montana	314	326	397	404	350	353	0	0	1,062	1,084
Nevada	949	814	801	764	1,148	1,124	1	1	2,899	2,702
New Mexico	503	473	755	731	633	622	0	0	1,891	1,827
Utah	676	677	949	906	769	736	5	5	2,399	2,324
Wyoming	180	185	303	313	897	906	0	0	1,380	1,404
Pacific Contiguous	12,038	11,687	14,672	14,941	7,798	8,234	81	75	34,590	34,936
California	8,424	8,187	10,939	11,130	4,684	4,815	79	73	24,125	24,204
Oregon	1,285	1,223	1,334	1,335	1,015	1,063	2	2	3,636	3,623
Washington	2,329	2,277	2,399	2,476	2,099	2,356	0	0	6,828	7,109
Pacific Noncontiguous	393	403	504	519	438	441	0	0	1,335	1,363
Alaska	163	167	226	229	115	108	0	0	504	504
Hawaii	230	236	278	290	323	332	0	0	831	858
U.S. Total	99,083	98,038	112,791	113,023	80,903	84,994	637	625	293,414	296,680

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
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Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	40,425	39,553	44,938	44,582	15,301	15,940	487	469	101,151	100,544
Connecticut	11,069	10,693	11,024	10,834	2,840	2,940	166	144	25,099	24,611
Maine	3,901	3,843	3,369	3,329	2,829	2,806	0	0	10,099	9,978
Massachusetts	17,185	16,896	21,903	21,946	6,137	6,617	297	301	45,522	45,761
New Hampshire	3,852	3,791	3,823	3,745	1,653	1,654	0	0	9,329	9,190
Rhode Island	2,669	2,581	3,117	3,028	669	748	23	23	6,479	6,381
Vermont	1,749	1,749	1,702	1,700	1,173	1,176	0	0	4,624	4,625
Middle Atlantic	115,376	111,090	134,368	132,928	60,406	62,053	3,259	3,324	313,409	309,395
New Jersey	25,251	23,669	32,661	32,211	5,968	6,365	254	261	64,133	62,506
New York	43,509	42,194	64,763	64,362	14,645	15,111	2,356	2,362	125,274	124,030
Pennsylvania	46,616	45,227	36,943	36,355	39,793	40,578	649	701	124,002	122,860
East North Central	154,706	155,876	155,151	153,449	159,016	168,022	496	546	469,369	477,894
Illinois	37,876	38,340	42,525	42,372	35,406	37,129	442	491	116,249	118,333
Indiana	27,452	27,969	20,494	20,310	37,800	41,073	18	17	85,764	89,369
Michigan	27,941	27,815	32,538	31,382	25,122	27,163	4	4	85,605	86,364
Ohio	43,872	43,698	39,807	39,524	40,708	42,642	33	35	124,420	125,898
Wisconsin	17,565	18,054	19,787	19,861	19,980	20,014	0	0	57,331	57,930
West North Central	85,299	88,795	86,041	84,329	73,568	78,047	38	37	244,945	251,208
Iowa	11,402	11,966	10,083	10,312	17,634	17,018	0	0	39,118	39,296
Kansas	11,512	11,621	13,218	13,005	9,102	9,645	0	0	33,832	34,271
Minnesota	17,791	18,842	19,659	19,086	17,130	19,174	20	19	54,599	57,122
Missouri	29,032	29,821	26,098	25,776	13,224	14,603	17	18	68,372	70,218
Nebraska	7,950	8,314	7,972	7,939	8,649	9,016	0	0	24,571	25,269
North Dakota	3,864	4,273	4,990	4,401	5,593	6,116	0	0	14,448	14,789
South Dakota	3,747	3,957	4,021	3,809	2,237	2,475	0	0	10,005	10,242
South Atlantic	306,941	300,521	262,473	259,291	120,003	118,633	1,132	1,132	690,549	679,578
Delaware	4,188	3,924	3,612	3,550	1,956	2,070	0	0	9,756	9,544
District of Columbia	2,172	1,761	6,960	7,201	233	194	286	278	9,652	9,435
Florida	103,481	100,333	79,666	78,707	14,076	13,879	80	80	197,303	193,001
Georgia	49,012	48,453	39,926	39,518	26,908	26,781	143	138	115,989	114,891
Maryland	23,532	22,958	25,320	25,011	3,204	3,211	448	461	52,504	51,640
North Carolina	49,584	49,062	40,790	40,211	22,989	22,604	8	7	113,371	111,884
South Carolina	26,088	25,935	18,558	18,448	24,713	24,493	0	0	69,359	68,877
Virginia	39,219	38,368	41,018	40,055	14,899	14,775	167	168	95,302	93,366
West Virginia	9,665	9,727	6,622	6,590	11,024	10,624	0	0	27,311	26,941
East South Central	103,235	103,055	75,727	76,106	86,341	89,844	1	1	265,304	269,007
Alabama	27,727	27,873	19,280	19,500	28,846	29,036	0	0	75,853	76,409
Kentucky	22,714	22,864	15,960	16,187	25,273	26,880	0	0	63,947	65,932
Mississippi	16,363	16,255	11,818	12,017	13,678	13,686	0	0	41,859	41,957
Tennessee	36,432	36,063	28,669	28,403	18,544	20,242	1	1	83,646	84,709
West South Central	188,470	184,486	167,536	166,739	139,272	149,358	160	154	495,439	500,737
Arkansas	15,923	15,709	10,321	10,142	13,477	13,932	0	0	39,722	39,783
Louisiana	27,376	27,069	21,178	20,716	26,921	28,923	10	10	75,485	76,718
Oklahoma	19,800	19,822	17,024	17,270	14,142	14,833	0	0	50,966	51,925
Texas	125,372	121,886	119,013	118,611	84,732	91,670	150	144	329,267	332,311
Mountain	80,754	79,787	79,412	79,063	71,066	71,214	112	111	231,344	230,176
Arizona	28,852	28,262	25,015	24,939	12,262	12,315	5	0	66,135	65,516
Colorado	15,426	15,072	16,863	16,761	12,936	12,646	53	53	45,277	44,531
Idaho	6,391	6,541	5,148	5,089	7,733	7,938	0	0	19,272	19,568
Montana	3,881	4,036	4,103	4,086	3,610	3,530	0	0	11,594	11,652
Nevada	10,845	10,559	8,099	8,028	11,753	11,532	7	7	30,704	30,127
New Mexico	5,651	5,578	7,509	7,564	6,202	6,270	0	0	19,362	19,413
Utah	7,548	7,512	9,414	9,278	7,985	8,356	46	51	24,994	25,197
Wyoming	2,160	2,227	3,261	3,318	8,584	8,627	0	0	14,004	14,172
Pacific Contiguous	117,408	119,948	136,318	138,394	75,556	79,074	747	720	330,028	338,135
California	75,231	76,213	98,233	100,716	43,705	44,975	722	696	217,891	222,599
Oregon	14,720	15,011	13,397	13,364	10,300	10,644	20	20	38,437	39,038
Washington	27,457	28,725	24,688	24,314	21,551	23,455	4	4	73,700	76,497
Pacific Noncontiguous	3,827	3,809	4,950	4,960	4,167	4,224	0	0	12,945	12,993
Alaska	1,641	1,650	2,305	2,276	1,104	1,134	0	0	5,050	5,060
Hawaii	2,187	2,160	2,645	2,684	3,063	3,090	0	0	7,895	7,934
U.S. Total	1,196,442	1,186,922	1,146,913	1,139,843	804,696	836,409	6,431	6,494	3,154,482	3,169,668

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, October 2015 and 2014 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	613	565	653	606	187	178	4	4	1,457	1,354
Connecticut	170	163	161	153	38	35	2	2	370	353
Maine	59	53	47	39	29	24	0	0	135	116
Massachusetts	257	230	325	298	79	82	2	2	663	613
New Hampshire	57	56	53	49	21	18	0	0	131	124
Rhode Island	45	36	43	44	8	8	0	0	96	88
Vermont	26	26	24	24	11	11	0	0	62	61
Middle Atlantic	1,486	1,422	1,666	1,669	438	442	38	38	3,627	3,571
New Jersey	283	279	397	377	64	66	2	2	746	725
New York	692	683	938	972	91	93	31	30	1,752	1,778
Pennsylvania	511	460	330	320	282	283	5	5	1,129	1,068
East North Central	1,582	1,638	1,466	1,497	1,070	1,201	4	4	4,121	4,340
Illinois	386	399	361	384	215	252	3	4	965	1,039
Indiana	238	255	184	200	242	293	0	0	664	749
Michigan	330	339	331	327	171	212	0	0	832	877
Ohio	413	435	380	385	287	294	0	0	1,081	1,114
Wisconsin	215	211	209	200	155	151	0	0	579	562
West North Central	759	757	742	727	481	508	0	0	1,983	1,992
Iowa	100	103	85	84	102	91	0	0	288	278
Kansas	102	105	124	127	63	73	0	0	290	306
Minnesota	191	189	182	178	120	130	0	0	493	498
Missouri	228	222	205	197	78	85	0	0	511	504
Nebraska	71	68	67	68	55	59	0	0	193	195
North Dakota	32	34	43	39	47	52	0	0	122	126
South Dakota	35	35	35	33	16	18	0	0	87	85
South Atlantic	2,920	2,915	2,394	2,425	771	806	8	9	6,093	6,155
Delaware	42	40	39	35	16	19	0	0	96	95
District of Columbia	21	17	67	80	2	2	2	3	93	101
Florida	1,153	1,148	777	791	114	110	1	1	2,044	2,050
Georgia	412	434	364	383	148	172	1	1	925	990
Maryland	236	232	264	235	24	27	3	4	528	497
North Carolina	427	418	346	348	150	150	0	0	923	916
South Carolina	241	244	170	177	145	153	0	0	555	574
Virginia	313	314	311	325	107	107	1	1	732	748
West Virginia	75	67	56	51	66	66	0	0	197	184
East South Central	857	863	729	741	497	520	0	0	2,082	2,124
Alabama	246	251	195	198	162	166	0	0	603	614
Kentucky	172	172	140	141	133	146	0	0	444	459
Mississippi	155	163	122	132	90	89	0	0	368	384
Tennessee	284	277	271	270	111	120	0	0	667	667
West South Central	1,827	1,854	1,342	1,423	788	920	1	1	3,959	4,197
Arkansas	127	126	85	85	82	83	0	0	293	294
Louisiana	229	237	183	189	149	172	0	0	562	598
Oklahoma	159	166	122	140	71	86	0	0	352	392
Texas	1,312	1,326	952	1,008	487	579	1	1	2,752	2,913
Mountain	851	795	771	752	445	472	1	1	2,068	2,020
Arizona	313	289	260	250	80	84	0	0	654	624
Colorado	170	160	168	166	94	95	1	1	432	421
Idaho	54	54	39	38	35	36	0	0	128	129
Montana	35	35	40	40	18	20	0	0	94	95
Nevada	123	108	73	75	69	87	0	0	265	270
New Mexico	64	60	78	76	39	43	0	0	181	179
Utah	72	69	85	77	48	47	0	1	205	192
Wyoming	21	21	29	29	62	61	0	0	111	111
Pacific Contiguous	1,622	1,425	2,193	2,261	799	842	8	7	4,621	4,535
California	1,262	1,093	1,873	1,944	645	674	7	7	3,787	3,717
Oregon	140	132	119	119	61	63	0	0	321	314
Washington	219	200	200	199	93	105	0	0	513	505
Pacific Noncontiguous	98	119	113	138	88	117	0	0	299	374
Alaska	34	33	41	40	17	18	0	0	91	91
Hawaii	65	85	72	98	72	99	0	0	209	283
U.S. Total	12,616	12,352	12,067	12,239	5,564	6,007	64	64	30,311	30,663

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	7,895	6,993	7,002	6,569	1,867	1,902	52	48	16,816	15,512
Connecticut	2,330	2,106	1,771	1,686	370	381	23	18	4,494	4,191
Maine	609	583	443	421	257	253	0	0	1,309	1,258
Massachusetts	3,426	2,892	3,469	3,235	819	853	25	26	7,739	7,007
New Hampshire	717	659	575	536	210	198	0	0	1,501	1,393
Rhode Island	515	445	497	443	93	96	4	3	1,109	987
Vermont	298	308	247	248	119	121	0	0	663	676
Middle Atlantic	18,598	18,312	17,865	18,347	4,505	4,784	387	411	41,355	41,854
New Jersey	4,044	3,743	4,303	4,295	665	738	26	27	9,038	8,803
New York	8,145	8,526	10,012	10,504	946	1,005	310	330	19,412	20,365
Pennsylvania	6,409	6,043	3,550	3,547	2,894	3,041	51	54	12,904	12,685
East North Central	19,904	19,720	15,381	15,380	10,964	11,930	36	37	46,285	47,067
Illinois	4,729	4,547	3,799	3,928	2,257	2,552	31	33	10,816	11,059
Indiana	3,065	3,206	1,959	2,017	2,523	2,871	2	2	7,549	8,096
Michigan	4,030	4,041	3,455	3,420	1,808	2,099	0	0	9,293	9,560
Ohio	5,540	5,447	3,970	3,870	2,808	2,895	3	3	12,321	12,214
Wisconsin	2,541	2,478	2,197	2,146	1,567	1,513	0	0	6,305	6,137
West North Central	9,869	9,986	8,035	7,898	5,108	5,328	3	3	23,015	23,215
Iowa	1,374	1,361	931	913	1,079	998	0	0	3,384	3,272
Kansas	1,413	1,423	1,323	1,327	674	755	0	0	3,410	3,505
Minnesota	2,204	2,281	1,889	1,897	1,227	1,305	2	2	5,321	5,485
Missouri	3,211	3,227	2,373	2,331	835	948	1	1	6,420	6,508
Nebraska	871	878	716	700	664	683	0	0	2,252	2,261
North Dakota	383	399	442	391	466	465	0	0	1,291	1,254
South Dakota	413	417	360	339	164	174	0	0	937	930
South Atlantic	36,275	35,451	25,069	25,151	7,914	8,079	94	95	69,351	68,776
Delaware	561	520	369	374	163	180	0	0	1,092	1,075
District of Columbia	278	226	834	884	21	16	27	24	1,160	1,150
Florida	12,188	11,917	7,714	7,741	1,177	1,100	7	7	21,086	20,766
Georgia	5,711	5,737	3,940	4,112	1,579	1,807	8	10	11,237	11,666
Maryland	3,237	3,142	2,811	2,829	279	292	38	39	6,365	6,302
North Carolina	5,624	5,501	3,564	3,543	1,489	1,490	1	1	10,679	10,535
South Carolina	3,244	3,240	1,882	1,894	1,492	1,553	0	0	6,618	6,688
Virginia	4,466	4,256	3,389	3,246	1,043	1,015	14	14	8,911	8,530
West Virginia	966	912	566	527	672	625	0	0	2,204	2,064
East South Central	11,137	11,126	7,775	7,883	5,255	5,611	0	0	24,167	24,621
Alabama	3,282	3,223	2,117	2,103	1,787	1,807	0	0	7,185	7,133
Kentucky	2,279	2,330	1,481	1,527	1,370	1,554	0	0	5,130	5,411
Mississippi	1,848	1,836	1,259	1,291	918	914	0	0	4,025	4,040
Tennessee	3,729	3,737	2,919	2,962	1,180	1,337	0	0	7,828	8,036
West South Central	20,746	20,579	13,297	13,815	7,795	9,158	9	8	41,846	43,560
Arkansas	1,568	1,497	855	818	833	844	0	0	3,256	3,160
Louisiana	2,537	2,612	1,827	1,897	1,465	1,783	1	1	5,829	6,292
Oklahoma	1,995	2,015	1,300	1,417	755	879	0	0	4,049	4,311
Texas	14,645	14,455	9,315	9,683	4,743	5,652	8	7	28,711	29,797
Mountain	9,684	9,399	7,832	7,700	4,732	4,843	11	12	22,259	21,954
Arizona	3,567	3,402	2,658	2,562	788	808	1	0	7,013	6,772
Colorado	1,863	1,855	1,664	1,707	922	957	5	6	4,454	4,525
Idaho	645	639	406	397	521	515	0	0	1,572	1,550
Montana	428	413	421	394	191	195	0	0	1,040	1,002
Nevada	1,388	1,362	756	761	830	861	1	1	2,974	2,984
New Mexico	720	693	795	783	394	421	0	0	1,908	1,897
Utah	834	803	834	801	506	515	5	5	2,179	2,124
Wyoming	238	234	299	295	581	572	0	0	1,118	1,100
Pacific Contiguous	16,786	16,362	18,978	19,034	7,037	7,253	66	65	42,867	42,713
California	12,760	12,280	15,798	15,928	5,456	5,597	63	63	34,077	33,867
Oregon	1,574	1,573	1,182	1,170	625	638	2	2	3,384	3,383
Washington	2,452	2,509	1,998	1,936	956	1,017	0	0	5,406	5,462
Pacific Noncontiguous	991	1,126	1,136	1,318	884	1,125	0	0	3,010	3,569
Alaska	331	316	412	389	164	180	0	0	907	885
Hawaii	659	810	723	928	720	945	0	0	2,103	2,684
U.S. Total	151,884	149,054	122,368	123,094	56,060	60,013	659	680	330,971	332,841

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, October 2015 and 2014 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	18.37	17.82	15.00	14.06	11.69	10.90	8.99	10.04	15.61	14.78
Connecticut	20.05	20.38	15.79	15.12	12.83	12.38	11.64	11.08	17.03	16.72
Maine	14.87	15.82	12.55	11.90	8.20	7.50	--	--	11.99	11.79
Massachusetts	18.37	16.90	15.22	14.01	13.15	11.90	6.94	9.03	15.93	14.56
New Hampshire	17.73	18.07	14.42	13.80	12.56	11.17	--	--	15.31	14.88
Rhode Island	19.68	17.19	14.57	13.31	12.98	12.10	18.00	15.34	16.38	14.55
Vermont	17.44	17.39	14.80	14.49	9.90	9.73	--	--	14.40	14.23
Middle Atlantic	16.31	16.28	13.19	13.19	7.29	7.02	11.48	11.86	12.92	12.75
New Jersey	15.55	15.58	13.07	12.11	10.80	10.04	9.14	9.54	13.63	12.97
New York	18.38	19.43	15.26	15.84	6.30	6.09	12.81	13.48	15.10	15.59
Pennsylvania	14.49	13.42	9.59	9.39	7.13	6.89	7.79	7.33	10.27	9.70
East North Central	13.41	13.46	9.93	10.18	6.84	7.06	8.13	8.26	9.75	9.88
Illinois	13.47	13.52	9.01	9.66	6.39	6.93	7.86	7.91	9.39	9.79
Indiana	11.77	12.21	9.46	10.16	6.52	7.11	9.67	10.93	8.65	9.15
Michigan	14.59	14.70	10.49	10.90	6.83	7.61	10.77	11.67	10.51	10.85
Ohio	12.89	13.12	10.10	10.00	7.05	6.62	11.41	12.81	9.79	9.60
Wisconsin	14.87	13.91	11.09	10.53	7.75	7.34	--	--	10.86	10.27
West North Central	11.70	11.37	9.09	9.06	6.63	6.43	8.33	8.25	9.05	8.82
Iowa	11.70	11.21	8.74	8.36	5.73	5.18	--	--	7.96	7.56
Kansas	12.34	12.78	9.88	10.37	7.17	7.77	--	--	9.77	10.22
Minnesota	12.76	12.35	9.55	9.64	7.18	6.59	9.19	9.19	9.72	9.29
Missouri	11.07	10.64	8.63	8.34	5.83	5.78	7.40	7.23	8.85	8.52
Nebraska	10.95	10.73	8.63	8.82	7.07	7.02	--	--	8.76	8.69
North Dakota	10.59	9.77	9.00	8.86	7.97	7.78	--	--	8.91	8.58
South Dakota	11.70	11.22	8.99	8.99	7.40	6.96	--	--	9.50	9.18
South Atlantic	11.94	11.98	9.43	9.51	6.41	6.63	7.81	8.20	9.83	9.91
Delaware	14.40	14.63	10.09	10.23	8.06	8.29	--	--	11.08	11.10
District of Columbia	13.90	13.17	11.73	11.52	9.24	7.98	9.23	9.43	12.01	11.62
Florida	11.61	11.91	9.58	9.90	8.20	7.89	8.99	9.13	10.52	10.77
Georgia	11.09	11.42	9.62	9.93	5.44	6.26	4.53	5.15	9.04	9.50
Maryland	15.35	13.97	10.87	10.25	7.91	8.62	7.77	8.15	12.23	11.55
North Carolina	12.11	11.89	8.86	8.73	6.56	6.54	7.92	7.68	9.49	9.35
South Carolina	12.65	12.83	9.84	9.94	5.92	6.22	--	--	9.14	9.34
Virginia	11.52	11.57	8.06	8.28	6.80	7.03	7.80	8.39	8.97	9.14
West Virginia	10.98	9.71	9.01	8.16	6.03	5.65	--	--	8.20	7.41
East South Central	11.11	10.97	10.18	10.11	5.86	5.66	7.55	7.26	8.92	8.71
Alabama	12.00	11.74	10.80	10.63	5.71	5.58	--	--	9.01	8.82
Kentucky	10.74	10.51	9.37	9.26	5.39	5.31	--	--	8.00	7.77
Mississippi	11.16	11.49	10.25	10.76	6.50	6.34	--	--	9.26	9.49
Tennessee	10.63	10.36	10.17	9.95	6.22	5.78	7.55	7.26	9.35	8.94
West South Central	11.01	11.43	7.77	8.24	5.38	6.06	5.42	5.14	8.16	8.62
Arkansas	10.00	9.87	8.27	8.06	5.88	5.79	8.94	11.24	7.96	7.80
Louisiana	9.55	9.70	8.66	8.93	5.62	5.72	7.66	9.38	7.83	7.91
Oklahoma	11.12	10.83	7.72	8.11	5.01	5.63	--	--	7.96	8.19
Texas	11.41	12.07	7.59	8.16	5.30	6.29	5.27	4.84	8.28	8.95
Mountain	11.91	11.71	9.79	9.67	6.34	6.81	9.93	10.75	9.38	9.39
Arizona	12.22	11.90	10.56	10.01	6.11	6.56	10.02	--	10.31	10.04
Colorado	11.74	11.81	9.83	9.95	7.14	7.37	9.96	10.24	9.65	9.76
Idaho	10.32	10.20	7.71	7.82	6.02	5.79	--	--	7.93	7.81
Montana	11.29	10.72	10.13	9.99	5.10	5.54	--	--	8.81	8.76
Nevada	12.99	13.21	9.13	9.83	5.97	7.74	9.06	9.79	9.14	9.98
New Mexico	12.71	12.67	10.29	10.38	6.15	6.88	--	--	9.55	9.78
Utah	10.58	10.16	8.90	8.45	6.26	6.33	10.01	11.47	8.53	8.28
Wyoming	11.56	11.14	9.47	9.31	6.88	6.75	--	--	8.06	7.90
Pacific Contiguous	13.47	12.20	14.94	15.14	10.25	10.22	9.36	9.18	13.36	12.98
California	14.98	13.35	17.12	17.46	13.77	13.99	9.38	9.18	15.70	15.36
Oregon	10.93	10.78	8.95	8.89	6.00	5.94	8.81	9.29	8.83	8.66
Washington	9.41	8.80	8.35	8.04	4.45	4.47	9.11	8.74	7.51	7.10
Pacific Noncontiguous	25.07	29.50	22.35	26.62	20.13	26.55	--	--	22.42	27.45
Alaska	20.62	20.03	17.97	17.61	14.36	16.29	--	--	18.00	18.13
Hawaii	28.22	36.17	25.92	33.75	22.19	29.89	--	--	25.11	32.92
U.S. Total	12.73	12.60	10.70	10.83	6.88	7.07	10.01	10.27	10.33	10.34

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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 October 2015 and 2014 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD	October 2015 YTD	October 2014 YTD
New England	19.53	17.68	15.58	14.74	12.21	11.93	10.74	10.25	16.62	15.43
Connecticut	21.05	19.69	16.07	15.57	13.03	12.96	13.97	12.70	17.91	17.03
Maine	15.62	15.18	13.14	12.65	9.08	9.02	--	--	12.96	12.60
Massachusetts	19.94	17.12	15.84	14.74	13.35	12.89	8.37	8.73	17.00	15.31
New Hampshire	18.60	17.37	15.03	14.32	12.69	11.99	--	--	16.09	15.16
Rhode Island	19.30	17.23	15.95	14.63	13.92	12.89	18.01	14.61	17.12	15.47
Vermont	17.02	17.60	14.49	14.57	10.12	10.28	--	--	14.34	14.63
Middle Atlantic	16.12	16.48	13.30	13.80	7.46	7.71	11.88	12.37	13.20	13.53
New Jersey	16.02	15.81	13.17	13.33	11.14	11.59	10.29	10.47	14.09	14.08
New York	18.72	20.21	15.46	16.32	6.46	6.65	13.15	13.98	15.50	16.42
Pennsylvania	13.75	13.36	9.61	9.76	7.27	7.49	7.91	7.66	10.41	10.33
East North Central	12.87	12.65	9.91	10.02	6.90	7.10	7.33	6.84	9.86	9.85
Illinois	12.48	11.86	8.93	9.27	6.37	6.87	7.11	6.65	9.30	9.35
Indiana	11.16	11.46	9.56	9.93	6.68	6.99	9.94	10.13	8.80	9.06
Michigan	14.42	14.53	10.62	10.90	7.20	7.73	11.41	8.97	10.86	11.07
Ohio	12.63	12.47	9.97	9.79	6.90	6.79	8.32	7.72	9.90	9.70
Wisconsin	14.46	13.73	11.10	10.80	7.85	7.56	--	--	11.00	10.59
West North Central	11.57	11.25	9.34	9.37	6.94	6.83	9.11	8.97	9.40	9.24
Iowa	12.05	11.37	9.24	8.85	6.12	5.87	--	--	8.65	8.33
Kansas	12.28	12.24	10.01	10.20	7.40	7.83	--	--	10.08	10.23
Minnesota	12.39	12.11	9.61	9.94	7.16	6.81	9.56	9.90	9.75	9.60
Missouri	11.06	10.82	9.09	9.04	6.31	6.49	8.58	8.00	9.39	9.27
Nebraska	10.96	10.56	8.99	8.82	7.68	7.58	--	--	9.16	8.95
North Dakota	9.91	9.33	8.86	8.88	8.32	7.60	--	--	8.94	8.48
South Dakota	11.02	10.53	8.94	8.91	7.33	7.02	--	--	9.36	9.08
South Atlantic	11.82	11.80	9.55	9.70	6.59	6.81	8.28	8.41	10.04	10.12
Delaware	13.38	13.26	10.21	10.55	8.32	8.71	--	--	11.20	11.27
District of Columbia	12.81	12.81	11.99	12.28	8.80	8.39	9.28	8.65	12.01	12.19
Florida	11.78	11.88	9.68	9.84	8.36	7.93	8.90	9.17	10.69	10.76
Georgia	11.65	11.84	9.87	10.41	5.87	6.75	5.47	7.27	9.69	10.15
Maryland	13.75	13.68	11.10	11.31	8.72	9.11	8.47	8.55	12.12	12.20
North Carolina	11.34	11.21	8.74	8.81	6.48	6.59	7.86	7.87	9.42	9.42
South Carolina	12.44	12.49	10.14	10.27	6.04	6.34	--	--	9.54	9.71
Virginia	11.39	11.09	8.26	8.10	7.00	6.87	8.18	8.19	9.35	9.14
West Virginia	10.00	9.37	8.55	7.99	6.09	5.89	--	--	8.07	7.66
East South Central	10.79	10.80	10.27	10.36	6.09	6.25	8.22	8.68	9.11	9.15
Alabama	11.84	11.56	10.98	10.79	6.20	6.22	--	--	9.47	9.33
Kentucky	10.03	10.19	9.28	9.43	5.42	5.78	--	--	8.02	8.21
Mississippi	11.30	11.30	10.65	10.74	6.71	6.68	--	--	9.62	9.63
Tennessee	10.23	10.36	10.18	10.43	6.36	6.60	8.22	8.68	9.36	9.49
West South Central	11.01	11.15	7.94	8.29	5.60	6.13	5.52	5.40	8.45	8.70
Arkansas	9.85	9.53	8.28	8.06	6.18	6.06	10.79	11.35	8.20	7.94
Louisiana	9.27	9.65	8.62	9.16	5.44	6.16	8.39	9.40	7.72	8.20
Oklahoma	10.08	10.17	7.63	8.20	5.34	5.92	--	--	7.95	8.30
Texas	11.68	11.86	7.83	8.16	5.60	6.17	5.32	5.12	8.72	8.97
Mountain	11.99	11.78	9.86	9.74	6.66	6.80	10.02	10.54	9.62	9.54
Arizona	12.36	12.04	10.63	10.27	6.42	6.56	9.57	--	10.60	10.34
Colorado	12.08	12.31	9.87	10.19	7.12	7.57	10.14	10.84	9.84	10.16
Idaho	10.10	9.76	7.89	7.79	6.73	6.48	--	--	8.16	7.92
Montana	11.04	10.24	10.25	9.65	5.29	5.52	--	--	8.97	8.60
Nevada	12.80	12.90	9.33	9.48	7.06	7.47	9.24	9.33	9.69	9.91
New Mexico	12.74	12.42	10.58	10.35	6.35	6.71	--	--	9.86	9.77
Utah	11.05	10.69	8.86	8.63	6.34	6.16	10.06	10.39	8.72	8.43
Wyoming	11.02	10.49	9.16	8.90	6.77	6.63	--	--	7.98	7.76
Pacific Contiguous	14.30	13.64	13.92	13.75	9.31	9.17	8.80	8.98	12.99	12.63
California	16.96	16.11	16.08	15.81	12.48	12.44	8.79	8.98	15.64	15.21
Oregon	10.69	10.48	8.83	8.76	6.07	6.00	9.15	9.21	8.80	8.67
Washington	8.93	8.73	8.09	7.96	4.44	4.34	8.67	8.48	7.34	7.14
Pacific Noncontiguous	25.88	29.57	22.94	26.57	21.20	26.63	--	--	23.25	27.47
Alaska	20.18	19.16	17.88	17.10	14.84	15.84	--	--	17.96	17.49
Hawaii	30.16	37.52	27.35	34.59	23.50	30.59	--	--	26.63	33.83
U.S. Total	12.69	12.56	10.67	10.80	6.97	7.18	10.25	10.47	10.49	10.50

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.7. Number of Ultimate Customers Served by Sector: 2008 - October 2015

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2008	125,037,870	17,582,277	774,817	726	143,395,691
2009	125,208,777	17,562,150	757,497	703	143,529,126
2010	125,717,767	17,674,167	747,691	238	144,139,862
2011	126,143,072	17,637,928	727,889	92	144,508,982
2012	126,832,252	17,728,903	732,344	83	145,293,583
2013	127,776,941	17,679,466	831,734	74	146,288,214
2014	128,680,294	17,853,836	839,154	79	147,373,362
Year 2013					
January	127,595,060	17,595,375	820,869	73	146,011,377
February	126,911,590	17,526,676	807,361	72	145,245,699
March	127,694,574	17,647,058	814,884	73	146,156,589
April	126,863,523	17,950,153	826,221	72	145,639,969
May	128,031,040	17,701,109	836,614	73	146,568,836
June	127,665,705	17,623,026	841,448	72	146,130,251
July	127,940,694	17,727,832	853,955	73	146,522,554
August	128,138,737	17,697,816	856,327	72	146,692,952
Sept	127,680,228	17,603,069	837,614	72	146,120,983
October	128,616,444	17,739,281	844,120	70	147,199,915
November	127,563,046	17,603,224	816,115	80	145,982,465
December	128,622,650	17,738,970	825,278	85	147,186,983
Year 2014					
January	128,080,045	17,756,185	824,418	82	146,660,730
February	127,760,935	17,694,926	810,164	79	146,266,104
March	128,398,293	17,795,435	817,663	79	147,011,470
April	128,347,095	17,795,240	829,796	80	146,972,211
May	128,428,131	17,834,341	840,580	84	147,103,136
June	128,562,601	17,810,020	838,886	77	147,211,584
July	129,055,781	17,937,858	865,715	78	147,859,432
August	128,924,140	17,889,944	856,377	77	147,670,538
Sept	128,788,358	17,922,008	856,589	78	147,567,033
October	129,521,707	17,993,992	860,902	76	148,376,677
November	128,640,689	17,827,317	824,992	76	147,293,074
December	129,655,750	17,988,765	843,760	76	148,488,351
Year 2015					
January	129,207,574	17,884,787	793,142	78	147,885,581
February	128,861,851	17,816,605	787,273	77	147,465,806
March	129,889,272	17,936,078	801,180	78	148,626,608
April	129,640,247	17,919,243	801,753	78	148,361,321
May	129,598,937	17,671,690	806,532	79	148,077,238
June	129,855,023	18,013,203	827,401	79	148,695,706
July	130,230,265	18,065,856	836,449	79	149,132,649
August	129,611,819	17,982,244	824,884	78	148,419,025
Sept	129,899,522	18,025,213	826,132	78	148,750,945
October	130,285,470	18,064,291	826,417	76	149,176,254
Rolling 12 Months Ending in October					
2014	128,504,399	17,814,345	836,874	80	147,155,697
2015	129,614,702	17,932,941	816,660	78	148,364,380

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 2014 and prior years are final. Values for 2015 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 5.8. Number of Ultimate Customers Served by Sector by State:
October 2015 and 2014

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	6,287,719	6,262,593	868,397	870,719	26,198	28,150	6	5	7,182,320	7,161,467
Connecticut	1,470,720	1,464,022	150,248	157,967	4,387	4,767	3	2	1,625,358	1,626,758
Maine	709,281	707,615	92,856	92,955	3,046	3,035	0	0	805,183	803,605
Massachusetts	2,743,184	2,726,933	406,269	401,613	13,435	14,889	2	NM	3,162,890	3,143,437
New Hampshire	612,039	613,359	106,711	106,896	3,286	3,346	0	0	722,036	723,601
Rhode Island	439,821	439,276	58,859	58,587	1,831	1,889	1	1	500,512	499,753
Vermont	312,674	311,388	53,454	52,701	213	224	0	0	366,341	364,313
Middle Atlantic	15,898,196	15,814,753	2,270,205	2,254,734	43,349	44,266	18	17	18,211,768	18,113,770
New Jersey	3,505,901	3,475,362	513,208	515,313	12,165	12,304	6	6	4,031,280	4,002,985
New York	7,084,171	7,048,988	1,064,327	1,047,381	7,703	7,896	6	6	8,156,207	8,104,271
Pennsylvania	5,308,124	5,290,403	692,670	692,040	23,481	24,066	6	5	6,024,281	6,006,514
East North Central	19,853,707	19,727,015	2,456,821	2,442,069	52,300	62,373	7	8	22,362,835	22,231,465
Illinois	5,195,092	5,142,432	602,623	600,690	5,529	6,090	3	3	5,803,247	5,749,215
Indiana	2,792,551	2,783,988	346,421	349,104	17,507	18,128	1	1	3,156,480	3,151,221
Michigan	4,306,433	4,282,421	538,271	525,552	5,635	13,435	1	NM	4,850,340	4,821,410
Ohio	4,898,973	4,880,149	619,645	619,969	18,878	19,199	2	2	5,537,498	5,519,319
Wisconsin	2,660,658	2,638,025	349,861	346,754	4,751	5,521	0	0	3,015,270	2,990,300
West North Central	9,296,430	9,233,230	1,425,278	1,404,070	112,563	125,231	2	2	10,834,273	10,762,533
Iowa	1,363,923	1,352,509	235,526	226,039	6,772	7,273	0	0	1,606,221	1,585,821
Kansas	1,245,910	1,229,184	231,583	227,232	25,688	26,980	0	0	1,503,181	1,483,396
Minnesota	2,348,409	2,356,688	283,126	286,873	7,959	9,937	1	1	2,639,495	2,653,499
Missouri	2,741,435	2,722,627	373,690	371,898	8,422	10,306	1	1	3,123,548	3,104,832
Nebraska	835,952	821,058	158,020	152,823	53,241	58,062	0	0	1,047,213	1,031,943
North Dakota	369,926	364,456	71,579	68,618	7,574	8,818	0	0	449,079	441,892
South Dakota	390,875	386,708	71,754	70,587	2,907	3,855	0	0	465,536	461,150
South Atlantic	26,885,406	26,616,935	3,700,102	3,644,887	77,965	79,897	11	11	30,663,484	30,341,730
Delaware	414,192	409,036	52,473	52,427	1,133	869	0	0	467,798	462,332
District of Columbia	251,442	240,399	25,776	26,425	1	1	1	1	277,220	266,826
Florida	8,957,269	8,893,934	1,194,728	1,185,231	20,044	19,082	2	2	10,172,043	10,098,249
Georgia	4,219,103	4,161,217	570,475	556,501	17,976	20,420	1	1	4,807,555	4,738,139
Maryland	2,260,182	2,236,252	248,430	248,695	8,731	8,811	5	5	2,517,348	2,493,763
North Carolina	4,387,565	4,328,505	682,115	659,507	10,051	10,358	1	1	5,079,732	4,998,371
South Carolina	2,200,120	2,169,938	355,681	351,135	4,418	4,577	0	0	2,560,219	2,525,650
Virginia	3,338,280	3,315,546	428,929	423,789	3,768	3,659	1	1	3,770,978	3,742,995
West Virginia	857,253	862,108	141,495	141,177	11,843	12,120	0	0	1,010,591	1,015,405
East South Central	8,243,896	8,147,110	1,368,331	1,363,898	24,259	27,042	1	1	9,636,487	9,538,051
Alabama	2,202,446	2,178,848	364,328	362,792	8,138	7,278	0	0	2,574,912	2,548,918
Kentucky	1,958,821	1,939,601	296,128	297,323	7,975	7,444	0	0	2,262,924	2,244,368
Mississippi	1,286,531	1,269,363	234,086	231,173	6,719	11,002	0	0	1,527,336	1,511,538
Tennessee	2,796,098	2,759,298	473,789	472,610	1,427	1,318	1	1	3,271,315	3,233,227
West South Central	15,418,869	15,344,261	2,203,779	2,212,753	192,042	181,885	6	6	17,814,696	17,738,905
Arkansas	1,361,918	1,374,084	187,859	190,413	38,279	38,586	2	2	1,588,058	1,603,085
Louisiana	2,029,808	2,035,027	287,110	299,071	18,539	19,693	1	1	2,335,458	2,353,792
Oklahoma	1,734,265	1,718,419	279,108	276,840	18,011	18,258	0	0	2,031,384	2,013,517
Texas	10,292,878	10,216,731	1,449,702	1,446,429	117,213	105,348	3	3	11,859,796	11,768,511
Mountain	9,418,355	9,302,853	1,352,848	1,359,213	89,725	98,131	4	3	10,860,932	10,760,200
Arizona	2,686,308	2,666,602	313,514	312,630	6,697	7,742	1	0	3,006,520	2,986,974
Colorado	2,232,246	2,201,811	354,062	362,015	14,449	19,297	1	1	2,600,758	2,583,124
Idaho	705,119	693,565	106,010	104,861	27,848	27,402	0	0	838,977	825,828
Montana	495,013	487,239	106,079	103,460	8,405	10,550	0	0	609,497	601,249
Nevada	1,127,462	1,109,541	159,993	160,335	3,500	3,816	1	1	1,290,956	1,273,693
New Mexico	883,380	872,237	137,007	139,420	8,642	9,209	0	0	1,029,029	1,020,866
Utah	1,018,793	1,005,385	117,595	117,848	10,549	9,704	1	1	1,146,938	1,132,938
Wyoming	270,034	266,473	58,588	58,644	9,635	10,411	0	0	338,257	335,528
Pacific Contiguous	18,269,164	18,361,456	2,306,733	2,329,155	205,908	211,905	21	23	20,781,826	20,902,539
California	13,612,922	13,756,880	1,699,303	1,739,573	152,199	156,373	13	13	15,464,437	15,652,839
Oregon	1,702,058	1,675,879	233,214	228,638	25,061	24,785	2	4	1,960,335	1,929,306
Washington	2,954,184	2,928,697	374,216	360,944	28,648	30,747	6	6	3,357,054	3,320,394
Pacific Noncontiguous	713,728	711,501	111,797	112,494	2,108	2,022	0	0	827,633	826,017
Alaska	285,034	285,230	50,869	51,743	NM	NM	0	0	337,243	338,273
Hawaii	428,694	426,271	60,928	60,751	768	722	0	0	490,390	487,744
U.S. Total	130,285,470	129,521,707	18,064,291	17,993,992	826,417	860,902	76	76	149,176,254	148,376,677

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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NM = Not Meaningful due to large relative standard error or excessive percentage change.
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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), September 2015 to October 2015

		As of End of September 2015	Activity During October 2015 as Reported to EIA		As of End of October 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	Capacity Source	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)	Utility Scale Facilities	68,619.6	1,009.5	0.0	69,629.1	1,009.5	5,397.6	8,000.2	1,117.8	4,885.4	0.0	25.3	1,117.8	4,860.1	70,746.9	74,489.2
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*9,967.5*	*86.6*	*0.0*	*10,054.1*	*86.6*	*1,397.5*	*2,478.8*	*270.3*	*6,845.5*	*0.0*	*0.0*	*270.3*	*6,845.5*	*10,324.4*	*16,899.6*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,371.3*	*0.0*	*0.0*	*1,371.3*	*0.0*	*0.0*	*250.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,371.3*	*1,371.3*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*295.4*	*0.0*	*0.0*	*295.4*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*	*0.0*	*0.0*	*110.0*	*110.0*	*405.4*	*405.4*
..... Solar Subtotal	Utility Scale Facilities	11,634.2	86.6	0.0	11,720.8	86.6	1,397.5	2,728.8	380.3	6,955.5	0.0	0.0	380.3	6,955.5	12,101.1	18,676.3
..... Conventional Hydroelectric	Utility Scale Facilities	79,711.3	0.0	0.0	79,711.3	0.0	34.0	41.7	0.0	417.0	0.0	17.9	0.0	399.1	79,711.3	80,110.4
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,442.3*	*40.0*	*73.0*	*8,409.3*	*-33.0*	*41.2*	*41.2*	*0.0*	*66.6*	*0.0*	*3.0*	*0.0*	*63.6*	*8,409.3*	*8,472.9*
..... *Landfill Gas*	*Utility Scale Facilities*	*2,111.5*	*6.0*	*0.9*	*2,116.6*	*5.1*	*3.6*	*13.1*	*0.0*	*55.3*	*0.0*	*10.0*	*0.0*	*45.3*	*2,116.6*	*2,161.9*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,306.7*	*0.0*	*0.0*	*2,306.7*	*0.0*	*76.6*	*76.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,306.7*	*2,306.7*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*838.5*	*0.0*	*0.0*	*838.5*	*0.0*	*15.1*	*17.9*	*0.0*	*40.9*	*0.0*	*1.2*	*0.0*	*39.7*	*838.5*	*878.2*
..... Biomass Sources Subtotal	Utility Scale Facilities	13,699.0	46.0	73.9	13,671.1	-27.9	136.5	148.8	0.0	162.8	0.0	14.2	0.0	148.6	13,671.1	13,819.7
..... Geothermal	Utility Scale Facilities	2,544.3	1.8	0.0	2,546.1	1.8	31.8	31.8	0.0	0.0	0.0	0.0	0.0	0.0	2,546.1	2,546.1
... Renewable Sources Subtotal	***Utility Scale Facilities***	***176,208.4***	***1,143.9***	***73.9***	***177,278.4***	***1,070.0***	***6,997.4***	***10,951.3***	***1,498.1***	***12,420.7***	***0.0***	***57.4***	***1,498.1***	***12,363.3***	***178,776.5***	***189,641.7***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*232,264.4*	*1,135.7*	*411.0*	*232,989.1*	*724.7*	*4,323.3*	*5,401.0*	*240.0*	*6,585.5*	*0.0*	*0.0*	*240.0*	*6,585.5*	*233,229.1*	*239,574.6*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*124,761.5*	*8.8*	*0.0*	*124,770.3*	*8.8*	*-140.6*	*-147.6*	*67.0*	*2,044.1*	*0.0*	*90.7*	*67.0*	*1,953.4*	*124,837.3*	*126,723.7*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*75,473.4*	*3.5*	*115.0*	*75,361.9*	*-111.5*	*NA*	*NA*	*0.0*	*0.0*	*0.0*	*1,040.7*	*0.0*	*-1,040.7*	*75,361.9*	*74,321.2*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*3,549.4*	*21.0*	*0.0*	*3,570.4*	*21.0*	*NA*	*NA*	*4.1*	*592.1*	*0.9*	*4.2*	*3.2*	*587.9*	*3,573.6*	*4,158.3*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*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*	*Utility Scale Facilities*	*99.5*	*0.0*	*0.0*	*99.5*	*0.0*	*NA*	*NA*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*99.5*	*99.5*
..... Natural Gas Subtotal	Utility Scale Facilities	436,258.2	1,169.0	526.0	436,901.2	643.0	4,750.9	5,283.4	311.1	9,221.7	0.9	1,135.6	310.2	8,086.1	437,211.4	444,987.3
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*286,896.2*	*0.0*	*666.0*	*286,230.2*	*-666.0*	*-12,073.0*	*-12,815.7*	*0.0*	*51.2*	*1,540.0*	*7,860.4*	*-1,540.0*	*-7,809.2*	*284,690.2*	*278,421.0*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*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	Utility Scale Facilities	287,687.2	0.0	666.0	287,021.2	-666.0	-12,073.0	-12,815.7	0.0	51.2	1,540.0	7,860.4	-1,540.0	-7,809.2	285,481.2	279,212.0
..... Petroleum Coke	Utility Scale Facilities	2,190.2	0.0	0.0	2,190.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,190.2	2,190.2
..... Petroleum Liquids	Utility Scale Facilities	38,102.3	0.0	0.0	38,102.3	0.0	-842.9	-1,044.0	0.8	33.6	2.3	128.9	-1.5	-95.3	38,100.8	38,007.0
..... Other Gases	Utility Scale Facilities	1,914.3	0.0	0.0	1,914.3	0.0	0.0	0.0	0.0	0.0	3.2	3.2	-3.2	-3.2	1,911.1	1,911.1
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***766,152.2***	***1,169.0***	***1,192.0***	***766,129.2***	***-23.0***	***-8,165.0***	***-8,576.3***	***311.9***	***9,306.5***	***1,546.4***	***9,128.1***	***-1,234.5***	***178.4***	***764,894.7***	***766,307.6***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,558.1	0.0	0.0	22,558.1	0.0	73.0	73.0	0.0	152.0	0.0	0.0	0.0	152.0	22,558.1	22,710.1
..... Flywheels	Utility Scale Facilities	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	Utility Scale Facilities	209.4	19.8	0.0	229.2	19.8	73.1	73.1	19.0	69.5	0.0	0.0	19.0	69.5	248.2	298.7
... Energy Storage Subtotal	***Utility Scale Facilities***	***22,810.5***	***19.8***	***0.0***	***22,830.3***	***19.8***	***146.1***	***146.1***	***19.0***	***221.5***	***0.0***	***0.0***	***19.0***	***221.5***	***22,849.3***	***23,051.8***
... Nuclear	***Utility Scale Facilities***	***98,708.1***	***0.0***	***0.0***	***98,708.1***	***0.0***	***138.8***	***-473.6***	***0.0***	***1,122.0***	***0.0***	***0.0***	***0.0***	***1,122.0***	***98,708.1***	***99,830.1***
... All Other	***Utility Scale Facilities***	***2,606.5***	***0.0***	***901.7***	***1,704.8***	***-901.7***	***-888.7***	***-888.7***	***0.0***	***16.0***	***0.0***	***0.0***	***0.0***	***16.0***	***1,704.8***	***1,720.8***
TOTAL	**UTILITY SCALE FACILITIES**	**1,066,485.7**	**2,332.7**	**2,167.6**	**1,066,650.8**	**165.1**	**-1,771.4**	**1,158.8**	**1,829.0**	**23,086.7**	**1,546.4**	**9,185.5**	**282.6**	**13,901.2**	**1,066,933.4**	**1,080,552.0**
..... *Estimated Distributed Solar Photovoltaic*	*Distributed Facilities*	*7,692.0*			*7,876.8*	*184.8*	*1,655.4*	*1,996.8*								
..... Estimated Total Solar Photovoltaic	All Facilities	17,659.5			17,930.9	271.4	3,052.9	4,475.6								
... Estimated Total Solar	***All Facilities***	***19,326.2***			***19,597.6***	***271.4***	***3,052.9***	***4,725.6***								

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

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

Table 6.1.A. Net Summer Capacity for Utility Scale Solar Photovoltaic and Distributed Solar Photovoltaic Capacity (Megawatts)
2008 - October 2015

Period	Utility Solar Photovoltaic	Estimated Distributed Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
2008	70.8	N/A	N/A
2009	145.5	N/A	N/A
2010	393.4	N/A	N/A
2011	1,052.0	N/A	N/A
2012	2,694.1	N/A	N/A
2013	5,336.1	N/A	N/A
2014	8,656.6	6,221.4	14,878.0
Year 2013			
January	2,864.2	N/A	N/A
February	2,989.6	N/A	N/A
March	3,089.3	N/A	N/A
April	3,271.9	N/A	N/A
May	3,327.4	N/A	N/A
June	3,567.6	N/A	N/A
July	3,654.3	N/A	N/A
August	3,794.8	N/A	N/A
Sept	3,884.0	N/A	N/A
October	4,249.7	N/A	N/A
November	4,746.8	N/A	N/A
December	5,336.1	N/A	N/A
Year 2014			
January	5,688.0	4,763.4	10,451.4
February	5,839.2	4,862.8	10,702.0
March	5,967.9	4,970.5	10,938.4
April	6,188.0	5,077.5	11,265.5
May	6,368.8	5,190.8	11,559.6
June	6,564.1	5,291.3	11,855.4
July	6,706.3	5,413.5	12,119.8
August	7,105.0	5,609.8	12,714.8
Sept	7,215.1	5,734.2	12,949.3
October	7,575.3	5,880.0	13,455.3
November	8,005.3	6,011.2	14,016.5
December	8,656.6	6,221.4	14,878.0
Year 2015			
January	8,812.7	6,391.2	15,203.9
February	8,969.4	6,524.0	15,493.4
March	9,028.0	6,656.9	15,684.9
April	9,109.7	6,798.4	15,908.1
May	9,313.4	6,952.7	16,266.1
June	9,582.2	7,106.9	16,689.1
July	9,669.0	7,322.3	16,991.3
August	9,878.7	7,493.3	17,372.0
Sept	9,967.5	7,692.0	17,659.5
October	10,054.1	7,876.8	17,930.9

Values for 2014 are final. Values for 2015 are preliminary.

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.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.1.B. Net Summer Capacity for Estimated Distributed Solar Photovoltaic Capacity by Sector (Megawatts): 2014 - October 2015

Period	Residential	Commercial	Industrial	Total
Annual Totals				
2014	2,870.8	2,771.8	578.8	6,221.4
Year 2014				
January	1,963.5	2,334.5	465.4	4,763.4
February	2,023.4	2,367.5	471.9	4,862.8
March	2,087.0	2,405.5	477.9	4,970.5
April	2,154.7	2,435.5	487.3	5,077.5
May	2,224.6	2,474.9	491.3	5,190.8
June	2,301.1	2,490.8	499.4	5,291.3
July	2,376.1	2,528.2	509.1	5,413.5
August	2,468.4	2,617.0	524.4	5,609.8
Sept	2,559.3	2,644.5	530.4	5,734.2
October	2,655.0	2,673.0	552.0	5,880.0
November	2,739.3	2,707.4	564.6	6,011.2
December	2,870.8	2,771.8	578.8	6,221.4
Year 2015				
January	2,960.1	2,835.9	595.2	6,391.2
February	3,060.8	2,854.7	608.4	6,524.0
March	3,169.2	2,874.7	613.0	6,656.9
April	3,274.8	2,903.0	620.6	6,798.4
May	3,384.1	2,938.0	630.6	6,952.7
June	3,516.4	2,957.6	632.9	7,106.9
July	3,650.7	3,024.6	647.0	7,322.3
August	3,779.3	3,056.7	657.2	7,493.3
Sept	3,936.8	3,089.3	665.9	7,692.0
October	4,083.9	3,116.9	676.0	7,876.8

Values for 2014 are final. Values for 2015 are preliminary.

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.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, October 2015 and 2014 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	4,772.5	4,561.7	22,873.9	22,853.1	1,775.4	1,775.4	3.0	3.0	4,046.3	4,658.7	52.9	52.9	33,524.0	33,904.8
Connecticut	328.2	335.6	6,313.9	6,312.9	29.4	29.4	0.0	0.0	2,122.5	2,122.5	30.9	30.9	8,824.9	8,831.3
Maine	1,977.6	1,795.4	2,645.0	2,653.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,644.6	4,470.4
Massachusetts	930.0	900.6	9,787.0	9,791.2	1,746.0	1,746.0	3.0	3.0	677.6	677.6	0.0	0.0	13,143.6	13,118.4
New Hampshire	935.4	935.4	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	4,418.3
Rhode Island	51.3	50.3	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	1,810.1
Vermont	550.0	544.4	99.5	99.5	0.0	0.0	0.0	0.0	0.0	612.4	0.0	0.0	649.5	1,256.3
Middle Atlantic	10,591.5	10,521.5	68,442.2	69,333.4	3,409.1	3,409.1	40.0	40.0	19,321.4	19,182.6	11.2	11.2	101,815.4	102,497.8
New Jersey	676.6	637.9	13,436.4	14,211.4	420.0	420.0	0.0	0.0	4,110.1	4,110.1	11.2	11.2	18,654.3	19,390.6
New York	7,055.3	7,024.0	26,490.5	26,499.3	1,406.1	1,406.1	20.0	20.0	5,431.5	5,431.5	0.0	0.0	40,403.4	40,380.9
Pennsylvania	2,859.6	2,859.6	28,515.3	28,622.7	1,583.0	1,583.0	20.0	20.0	9,779.8	9,641.0	0.0	0.0	42,757.7	42,726.3
East North Central	9,981.3	9,325.4	116,957.8	121,186.9	1,945.0	1,872.0	98.6	25.5	18,873.3	18,873.3	109.1	111.0	147,965.1	151,394.1
Illinois	3,980.1	3,717.6	30,000.8	29,693.1	0.0	0.0	72.6	1.5	11,564.1	11,564.1	0.0	1.0	45,617.6	44,977.3
Indiana	1,980.0	1,744.0	24,245.0	25,445.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	26,313.0	27,277.0
Michigan	2,146.7	1,992.1	22,116.1	22,433.3	1,945.0	1,872.0	0.0	0.0	3,982.0	3,982.0	0.0	0.9	30,189.8	30,280.3
Ohio	717.0	714.2	25,971.2	28,821.7	0.0	0.0	26.0	24.0	2,134.0	2,134.0	0.0	0.0	28,848.2	31,693.9
Wisconsin	1,157.5	1,157.5	14,624.7	14,793.8	0.0	0.0	0.0	0.0	1,193.2	1,193.2	21.1	21.1	16,996.5	17,165.6
West North Central	20,096.3	18,551.8	61,821.3	62,309.2	657.0	657.0	2.0	2.0	5,806.0	5,806.0	24.5	44.5	88,407.1	87,370.5
Iowa	6,125.8	5,467.1	10,063.6	10,158.7	0.0	0.0	0.0	0.0	601.4	601.4	0.0	20.0	16,790.8	16,247.2
Kansas	3,197.6	2,990.9	9,943.9	10,149.9	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.8	14,317.3	14,316.6
Minnesota	3,640.9	3,423.9	10,236.6	10,584.5	0.0	0.0	1.0	1.0	1,594.0	1,594.0	18.4	18.4	15,490.9	15,621.8
Missouri	1,054.6	1,047.0	18,916.9	18,887.8	657.0	657.0	1.0	1.0	1,193.0	1,193.0	0.0	0.0	21,822.5	21,785.8
Nebraska	1,105.4	1,105.4	6,384.4	6,384.4	0.0	0.0	0.0	0.0	1,242.6	1,242.6	0.0	0.0	8,732.4	8,732.4
North Dakota	2,634.0	2,279.0	4,585.6	4,453.6	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,224.9	6,737.9
South Dakota	2,338.0	2,238.5	1,690.3	1,690.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,028.3	3,928.8
South Atlantic	13,219.9	12,589.5	159,607.3	161,849.7	7,905.2	7,905.2	34.0	34.0	24,559.1	24,559.1	682.7	970.7	206,008.2	207,908.2
Delaware	45.0	43.8	3,354.4	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,399.4	3,086.2
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	1,412.2	1,307.7	53,863.8	54,278.8	0.0	0.0	0.0	0.0	3,572.0	3,572.0	488.7	776.7	59,336.7	59,935.2
Georgia	2,888.4	2,856.9	27,138.1	29,419.1	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	44.0	44.0	35,993.7	38,243.2
Maryland	969.0	914.3	9,683.2	9,600.2	0.0	0.0	0.0	0.0	1,707.8	1,707.8	0.0	0.0	12,360.0	12,222.3
North Carolina	3,479.7	3,051.1	21,973.4	22,005.4	86.0	86.0	0.0	0.0	5,094.1	5,094.1	54.0	54.0	30,687.2	30,290.6
South Carolina	1,779.5	1,779.5	11,772.3	11,972.3	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,824.0	23,024.0
Virginia	1,750.2	1,750.2	17,057.2	16,166.6	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	96.0	96.0	25,712.4	24,821.8
West Virginia	886.0	886.0	14,755.9	15,355.9	0.0	0.0	34.0	34.0	0.0	0.0	0.0	0.0	15,675.9	16,275.9
East South Central	7,956.3	7,922.0	68,298.3	70,324.5	1,616.3	1,616.3	0.0	0.0	9,875.6	9,875.6	1.4	159.7	87,747.9	89,898.1
Alabama	3,886.9	3,886.9	22,328.0	23,000.0	0.0	0.0	0.0	0.0	5,066.4	5,066.4	0.0	0.0	31,281.3	31,953.3
Kentucky	905.6	905.4	18,622.2	19,976.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,527.8	20,881.6
Mississippi	274.7	274.7	14,253.7	14,247.4	0.0	0.0	0.0	0.0	1,408.5	1,408.5	1.4	159.7	15,938.3	16,090.3
Tennessee	2,889.1	2,855.0	13,094.4	13,100.9	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,000.5	20,972.9
West South Central	25,524.2	20,721.8	147,954.6	146,104.7	288.0	288.0	36.0	36.0	8,912.4	8,912.4	513.2	499.2	183,228.4	176,562.1
Arkansas	1,632.0	1,632.0	11,270.5	11,274.0	28.0	28.0	0.0	0.0	1,819.6	1,819.6	0.0	0.0	14,750.1	14,753.6
Louisiana	642.1	642.1	23,605.8	23,071.2	0.0	0.0	0.0	0.0	2,132.8	2,132.8	275.8	275.8	26,656.5	26,121.9
Oklahoma	5,270.3	4,072.3	19,234.1	19,051.9	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	24,764.4	23,384.2
Texas	17,979.8	14,375.4	93,844.2	92,707.6	0.0	0.0	36.0	36.0	4,960.0	4,960.0	237.4	223.4	117,057.4	112,302.4
Mountain	21,283.7	20,558.5	64,072.5	64,676.6	778.8	778.8	2.6	2.6	3,937.0	3,937.0	111.4	111.4	90,186.0	90,064.9
Arizona	4,497.6	4,350.3	19,414.4	19,694.4	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,065.3	28,198.0
Colorado	3,653.2	3,342.8	11,422.4	10,986.2	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	15,647.4	14,900.8
Idaho	3,776.1	3,776.1	1,157.5	1,152.9	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,948.4	4,943.8
Montana	3,397.8	3,397.3	2,718.2	2,888.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,160.0	6,330.0
Nevada	2,386.4	2,183.0	8,258.7	8,692.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,645.1	10,875.7
New Mexico	1,168.0	1,127.5	6,914.8	6,903.3	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,085.4	8,033.4
Utah	690.2	667.1	7,454.4	7,626.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,176.4	8,325.2
Wyoming	1,714.4	1,714.4	6,732.1	6,732.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,458.0	8,458.0
Pacific Contiguous	62,780.3	60,519.3	51,969.7	52,110.9	4,183.3	4,183.3	8.0	8.0	3,377.0	3,377.0	171.8	566.3	122,490.1	120,764.8
California	26,062.7	24,102.2	43,317.2	43,738.5	3,869.3	3,869.3	8.0	8.0	2,240.0	2,240.0	121.0	453.6	75,618.2	74,411.6
Oregon	12,041.8	12,035.6	3,859.6	3,635.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,901.4	15,671.0
Washington	24,675.8	24,381.5	4,792.9	4,737.0	314.0	314.0	0.0	0.0	1,137.0	1,137.0	50.8	112.7	30,970.5	30,682.2
Pacific Noncontiguous	1,072.4	1,055.6	4,131.6	3,956.5	0.0	0.0	48.0	48.0	0.0	0.0	26.6	66.6	5,278.6	5,126.7
Alaska	507.5	502.7	2,059.4	1,885.5	0.0	0.0	27.0	27.0	0.0	0.0	0.0	40.0	2,593.9	2,455.2
Hawaii	564.9	552.9	2,072.2	2,071.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,684.7	2,671.5
U.S. Total	177,278.4	166,327.1	766,129.2	774,705.5	22,558.1	22,485.1	272.2	199.1	98,708.1	99,181.7	1,704.8	2,593.5	1,066,650.8	1,065,492.0

Values for 2014 are final. Values for 2015 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 significant 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 Using Primarily Renewable Energy Sources and by State, October 2015 and 2014 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Distributed Capacity		Summer Capacity From Utility Scale Facilities and Distributed Capacity			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Distributed Solar Photovoltaic Capacity		Estimated Total Solar Photovoltaic Capacity		Estimated Total Solar Capacity	
	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	990.4	808.2	349.2	312.2	0.0	0.0	1,965.8	1,965.8	1,467.1	1,475.5	0.0	0.0	4,772.5	4,561.7	737.3	531.1	1,086.5	843.3	1,086.5	843.3
Connecticut	0.0	0.0	10.0	9.0	0.0	0.0	122.2	122.2	196.0	204.4	0.0	0.0	328.2	335.6	135.4	78.0	145.4	87.0	145.4	87.0
Maine	612.8	430.6	0.0	0.0	0.0	0.0	733.0	733.0	631.8	631.8	0.0	0.0	1,977.6	1,795.4	13.3	8.7	13.3	8.7	13.3	8.7
Massachusetts	82.6	82.6	301.1	271.7	0.0	0.0	263.0	263.0	283.3	283.3	0.0	0.0	930.0	900.6	514.5	401.0	815.6	672.7	815.6	672.7
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	521.3	521.3	243.1	243.1	0.0	0.0	935.4	935.4	18.0	9.6	18.0	9.6	18.0	9.6
Rhode Island	3.8	3.8	7.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	51.3	50.3	9.4	7.5	17.3	14.4	17.3	14.4
Vermont	120.2	120.2	30.2	24.6	0.0	0.0	323.6	323.6	76.0	76.0	0.0	0.0	550.0	544.4	46.7	26.4	76.9	51.0	76.9	51.0
Middle Atlantic	3,098.5	3,082.3	529.0	474.6	0.0	0.0	5,618.8	5,618.8	1,345.2	1,345.8	0.0	0.0	10,591.5	10,521.5	1,333.9	1,105.8	1,862.9	1,580.4	1,862.9	1,580.4
New Jersey	7.6	7.6	425.9	387.2	0.0	0.0	12.3	12.3	230.8	230.8	0.0	0.0	676.6	637.9	799.6	725.4	1,225.5	1,112.6	1,225.5	1,112.6
New York	1,747.0	1,730.8	61.0	45.3	0.0	0.0	4,713.1	4,713.1	534.2	534.8	0.0	0.0	7,055.3	7,024.0	386.8	237.8	447.8	283.1	447.8	283.1
Pennsylvania	1,343.9	1,343.9	42.1	42.1	0.0	0.0	893.4	893.4	580.2	580.2	0.0	0.0	2,859.6	2,859.6	147.5	142.6	189.6	184.7	189.6	184.7
East North Central	7,655.4	7,027.8	175.6	142.7	0.0	0.0	918.2	918.2	1,232.1	1,236.7	0.0	0.0	9,981.3	9,325.4	134.0	112.1	309.6	254.8	309.6	254.8
Illinois	3,799.8	3,526.8	31.9	31.6	0.0	0.0	34.1	34.1	114.3	125.1	0.0	0.0	3,980.1	3,717.6	16.9	13.1	48.8	44.7	48.8	44.7
Indiana	1,739.7	1,539.7	105.1	74.8	0.0	0.0	60.4	60.4	74.8	69.1	0.0	0.0	1,980.0	1,744.0	9.0	6.6	114.1	81.4	114.1	81.4
Michigan	1,360.1	1,205.5	0.0	0.0	0.0	0.0	333.1	333.1	453.5	453.5	0.0	0.0	2,146.7	1,992.1	26.7	25.1	26.7	25.1	26.7	25.1
Ohio	424.1	424.1	37.6	35.3	0.0	0.0	101.9	101.9	153.4	152.9	0.0	0.0	717.0	714.2	61.7	50.3	99.3	85.6	99.3	85.6
Wisconsin	331.7	331.7	1.0	1.0	0.0	0.0	388.7	388.7	436.1	436.1	0.0	0.0	1,157.5	1,157.5	19.7	16.9	20.7	17.9	20.7	17.9
West North Central	16,244.7	14,728.6	14.2	9.4	0.0	0.0	3,300.8	3,300.8	536.6	513.0	0.0	0.0	20,096.3	18,551.8	141.1	121.7	155.3	131.1	155.3	131.1
Iowa	5,957.7	5,301.8	0.0	0.0	0.0	0.0	144.9	144.9	23.2	20.4	0.0	0.0	6,125.8	5,467.1	24.8	19.1	24.8	19.1	24.8	19.1
Kansas	3,174.6	2,968.9	1.0	0.0	0.0	0.0	7.0	7.0	15.0	15.0	0.0	0.0	3,197.6	2,990.9	2.9	2.0	3.9	2.0	3.9	2.0
Minnesota	2,987.8	2,787.8	1.7	1.7	0.0	0.0	195.0	195.0	456.4	439.4	0.0	0.0	3,640.9	3,423.9	18.7	14.7	20.4	16.4	20.4	16.4
Missouri	458.5	458.5	11.5	7.7	0.0	0.0	568.1	568.1	16.5	12.7	0.0	0.0	1,054.6	1,047.0	93.2	84.6	104.7	92.3	104.7	92.3
Nebraska	811.9	811.9	0.0	0.0	0.0	0.0	277.8	277.8	15.7	15.7	0.0	0.0	1,105.4	1,105.4	1.0	0.7	1.0	0.7	1.0	0.7
North Dakota	2,114.2	1,759.2	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	2,634.0	2,279.0	0.2	0.2	0.2	0.2	0.2	0.2
South Dakota	740.0	640.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,338.0	2,238.5	0.3	0.3	0.3	0.3	0.3	0.3
South Atlantic	745.3	705.3	1,128.1	694.9	0.0	0.0	7,198.0	7,198.0	4,148.5	3,991.3	0.0	0.0	13,219.9	12,589.5	518.0	377.9	1,646.1	1,072.8	1,646.1	1,072.8
Delaware	2.0	2.0	30.8	29.6	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	45.0	43.8	42.2	38.4	73.0	68.0	73.0	68.0
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	16.6	16.0	16.6	16.0	16.6	16.0
Florida	0.0	0.0	80.8	72.9	0.0	0.0	54.5	54.5	1,276.9	1,180.3	0.0	0.0	1,412.2	1,307.7	96.0	61.2	176.8	134.1	176.8	134.1
Georgia	0.0	0.0	68.6	62.1	0.0	0.0	2,047.6	2,047.6	772.2	747.2	0.0	0.0	2,888.4	2,856.9	52.2	49.2	120.8	111.3	120.8	111.3
Maryland	160.0	120.0	73.9	59.2	0.0	0.0	590.0	590.0	145.1	145.1	0.0	0.0	969.0	914.3	216.0	139.3	289.9	198.5	289.9	198.5
North Carolina	0.0	0.0	871.5	468.6	0.0	0.0	1,999.1	1,999.1	609.1	583.4	0.0	0.0	3,479.7	3,051.1	67.5	54.8	939.0	523.4	939.0	523.4
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,340.3	1,340.3	436.7	436.7	0.0	0.0	1,779.5	1,779.5	4.4	2.5	6.9	5.0	6.9	5.0
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	884.2	884.2	0.0	0.0	1,750.2	1,750.2	20.3	14.4	20.3	14.4	20.3	14.4
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	2.8	2.3	2.8	2.3	2.8	2.3
East South Central	29.1	29.1	45.2	13.6	0.0	0.0	6,724.9	6,722.2	1,157.1	1,157.1	0.0	0.0	7,956.3	7,922.0	49.4	48.4	94.6	62.0	94.6	62.0
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,271.0	3,271.0	615.9	615.9	0.0	0.0	3,886.9	3,886.9	1.9	1.8	1.9	1.8	1.9	1.8
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	835.3	835.1	70.3	70.3	0.0	0.0	905.6	905.4	9.0	8.1	9.0	8.1	9.0	8.1
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.7	274.7	0.0	0.0	274.7	274.7	1.4	1.4	1.4	1.4	1.4	1.4
Tennessee	29.1	29.1	45.2	13.6	0.0	0.0	2,618.6	2,616.1	196.2	196.2	0.0	0.0	2,889.1	2,855.0	37.1	37.1	82.3	50.7	82.3	50.7
West South Central	20,979.6	16,175.7	218.4	169.9	0.0	0.0	3,049.6	3,049.6	1,276.6	1,326.6	0.0	0.0	25,524.2	20,721.8	232.2	160.6	450.6	330.5	450.6	330.5
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,323.6	1,323.6	308.4	308.4	0.0	0.0	1,632.0	1,632.0	3.4	3.1	3.4	3.1	3.4	3.1
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.1	450.1	0.0	0.0	642.1	642.1	104.7	66.6	104.7	66.6	104.7	66.6
Oklahoma	4,328.4	3,132.9	2.5	0.0	0.0	0.0	863.2	863.2	76.2	76.2	0.0	0.0	5,270.3	4,072.3	1.9	1.6	4.4	1.6	4.4	1.6
Texas	16,651.2	13,042.8	215.9	169.9	0.0	0.0	670.8	670.8	441.9	491.9	0.0	0.0	17,979.8	14,375.4	122.2	89.4	338.1	259.3	338.1	259.3
Mountain	7,376.8	7,031.0	2,275.6	1,926.7	363.9	363.9	10,560.8	10,560.3	178.2	178.2	528.4	498.4	21,283.7	20,558.5	1,108.7	824.5	3,384.3	2,751.2	3,748.2	3,115.1
Arizona	267.3	237.3	1,179.3	1,062.0	295.4	295.4	2,720.9	2,720.9	34.7	34.7	0.0	0.0	4,497.6	4,350.3	619.9	480.7	1,799.2	1,542.7	2,094.6	1,838.1
Colorado	2,816.1	2,515.3	133.4	123.8	0.0	0.0	676.3	676.3	27.4	27.4	0.0	0.0	3,653.2	3,342.8	247.9	204.2	381.3	328.0	381.3	328.0
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,707.7	2,707.7	95.7	95.7	10.0	10.0	3,776.1	3,776.1	4.3	2.8	4.3	2.8	4.3	2.8
Montana	636.7	636.7	0.0	0.0	0.0	0.0	2,758.1	2,757.6	3.0	3.0	0.0	0.0	3,397.8	3,397.3	5.8	7.9	5.8	7.9	5.8	7.9
Nevada	150.0	150.0	669.5	496.1	68.5	68.5	1,051.4	1,051.4	3.2	3.2	443.8	413.8	2,386.4	2,183.0	113.8	43.2	783.3	539.3	851.8	607.8
New Mexico	812.3	797.3	269.0	243.5	0.0	0.0	82.9	82.9	2.2	2.2	1.6	1.6	1,168.0	1,127.5	71.2	60.4	340.2	303.9	340.2	303.9
Utah	324.4	324.4	24.4	1.3	0.0	0.0	256.4	256.4	12.0	12.0	73.0	73.0	690.2	667.1	44.0	23.8	68.4	25.1	68.4	25.1
Wyoming	1,407.3	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,714.4	1.8	1.5	1.8	1.5	1.8	1.5
Pacific Contiguous	12,243.7	11,775.3	5,274.6	3,799.1	1,302.8	1,052.8	39,908.9	39,875.2	2,075.6	2,044.0	1,974.7	1,972.9	62,780.3	60,519.3	3,258.5	2,292.2	8,533.1	6,091.3	9,835.9	7,144.1
California	6,013.2	5,811.6	5,260.2	3,784.7	1,302.8	1,052.8	10,182.9	10,175.1	1,348.4	1,322.8	1,955.2	1,955.2	26,062.7	24,102.2	3,141.2	2,205.2	8,401.4	5,989.9	9,704.2	7,042.7
Oregon	3,157.4	3,157.4	13.9	13.9	0.0	0.0	8,519.8	8,515.4	331.2	331.2	19.5	17.7	12,041.8	12,035.6	72.3	58.6	86.2	72.5	86.2	72.5
Washington	3,073.1	2,806.3	0.5	0.5	0.0	0.0	21,206.2	21,184.7	396.0	390.0	0.0	0.0	24,675.8	24,381.5	45.0	28.4	45.5	28.9	45.5	28.9
Pacific Noncontiguous	265.6	265.6	44.2	32.2	0.0	0.0	465.5	460.7	254.1	254.1	43.0	43.0	1,072.4	1,055.6	363.6	305.7	407.8	337.9	407.8	337.9
Alaska	60.0	60.0	0.0	0.0	0.0	0.0	440.5	435.7	7.0	7.0	0.0	0.0	507.5	502.7	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii	205.6	205.6	44.2	32.2	0.0	0.0	25.0	25.0	247.1	247.1	43.0	43.0	564.9	552.9	363.6	305.7	407.8	337.9	407.8	337.9
U.S. Total	69,629.1	61,628.9	10,054.1	7,575.3	1,666.7	1,416.7	79,711.3	79,669.6	13,671.1	13,522.3	2,546.1	2,514.3	177,278.4	166,327.1	7,876.8	5,880.0	17,930.9	13,455.3	19,597.6	14,872.0

Values for 2014 are final. Values for 2015 are preliminary.

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.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, October 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	
	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014	October 2015	October 2014
New England	11,772.0	11,742.0	1,110.1	1,110.1	964.7	962.4	2,073.3	2,076.8	0.0	0.0	6,953.8	6,961.8	0.0	0.0	22,873.9	22,853.1
Connecticut	2,504.6	2,504.6	482.2	482.2	64.7	63.7	383.4	383.4	0.0	0.0	2,879.0	2,879.0	0.0	0.0	6,313.9	6,312.9
Maine	1,250.0	1,250.0	297.2	297.2	119.0	119.0	85.0	85.0	0.0	0.0	893.8	901.8	0.0	0.0	2,645.0	2,653.0
Massachusetts	5,054.2	5,054.2	326.9	326.9	768.6	769.3	1,071.0	1,074.5	0.0	0.0	2,566.3	2,566.3	0.0	0.0	9,787.0	9,791.2
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	12.4	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	24,293.4	23,322.4	7,731.6	8,808.6	11,088.0	11,072.0	18,426.5	18,582.4	11.6	11.6	6,790.7	7,436.0	100.4	100.4	68,442.2	69,333.4
New Jersey	7,570.2	6,620.9	3,004.5	4,081.5	512.6	514.6	1,870.0	1,870.0	11.6	11.6	467.5	1,112.8	0.0	0.0	13,436.4	14,211.4
New York	8,250.0	8,250.0	3,048.1	3,048.1	8,758.8	8,758.8	2,490.1	2,498.9	0.0	0.0	3,943.5	3,943.5	0.0	0.0	26,490.5	26,499.3
Pennsylvania	8,473.2	8,451.5	1,679.0	1,679.0	1,816.6	1,798.6	14,066.4	14,213.5	0.0	0.0	2,379.7	2,379.7	100.4	100.4	28,515.3	28,622.7
East North Central	16,955.5	16,384.0	25,643.9	25,665.9	3,465.0	3,656.7	66,706.3	71,088.2	521.6	521.6	2,730.8	2,935.8	934.7	934.7	116,957.8	121,186.9
Illinois	3,543.0	2,972.4	10,174.3	10,183.3	232.0	231.6	15,251.6	15,505.9	0.0	0.0	682.2	682.2	117.7	117.7	30,000.8	29,693.1
Indiana	2,480.2	2,480.2	3,142.6	3,142.6	76.0	76.0	17,399.0	18,599.0	274.0	274.0	273.3	273.3	599.9	599.9	24,245.0	25,445.0
Michigan	4,292.5	4,291.6	3,543.8	3,556.8	2,859.2	3,051.3	10,848.4	10,948.4	47.2	47.2	525.0	538.0	0.0	0.0	22,116.1	22,433.3
Ohio	3,974.6	3,974.6	5,427.7	5,427.7	131.4	131.4	15,425.5	18,084.0	142.0	142.0	652.9	844.9	217.1	217.1	25,971.2	28,821.7
Wisconsin	2,665.2	2,665.2	3,355.5	3,355.5	166.4	166.4	7,781.8	7,950.9	58.4	58.4	597.4	597.4	0.0	0.0	14,624.7	14,793.8
West North Central	5,751.8	5,731.8	11,517.8	11,494.8	3,500.5	3,400.9	36,930.2	37,550.9	32.0	32.0	4,080.6	4,090.4	8.4	8.4	61,821.3	62,309.2
Iowa	1,131.0	1,111.0	1,104.4	1,104.4	548.3	344.2	6,240.0	6,563.0	32.0	32.0	1,007.9	1,004.1	0.0	0.0	10,063.6	10,158.7
Kansas	0.0	0.0	2,324.8	2,363.8	2,034.0	2,146.0	5,047.1	5,097.1	0.0	0.0	538.0	543.0	0.0	0.0	9,943.9	10,149.9
Minnesota	2,158.2	2,158.2	2,533.7	2,575.7	271.4	263.9	4,478.0	4,788.7	0.0	0.0	795.3	798.0	0.0	0.0	10,236.6	10,584.5
Missouri	1,830.0	1,830.0	3,379.4	3,355.4	230.8	230.8	12,337.6	12,326.6	0.0	0.0	1,139.1	1,145.0	0.0	0.0	18,916.9	18,887.8
Nebraska	342.6	342.6	1,152.9	1,152.9	407.3	407.3	4,167.9	4,167.9	0.0	0.0	313.7	313.7	0.0	0.0	6,384.4	6,384.4
North Dakota	0.0	0.0	328.0	248.0	0.0	0.0	4,184.6	4,132.6	0.0	0.0	64.6	64.6	8.4	8.4	4,585.6	4,453.6
South Dakota	290.0	290.0	694.6	694.6	8.7	8.7	475.0	475.0	0.0	0.0	222.0	222.0	0.0	0.0	1,690.3	1,690.3
South Atlantic	47,728.3	46,157.1	31,980.0	31,856.0	5,473.4	4,937.4	59,767.2	64,065.8	669.8	669.8	13,853.6	14,028.6	135.0	135.0	159,607.3	161,849.7
Delaware	1,505.0	1,196.0	314.0	311.0	876.0	876.0	410.0	410.0	0.0	0.0	114.4	114.4	135.0	135.0	3,354.4	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	25,545.6	25,755.6	8,400.0	8,404.0	2,736.3	2,792.3	10,085.0	10,177.0	586.0	586.0	6,510.9	6,563.9	0.0	0.0	53,863.8	54,278.8
Georgia	7,961.8	7,961.8	7,823.4	7,823.4	707.0	115.0	9,563.4	12,314.4	83.8	83.8	998.7	1,120.7	0.0	0.0	27,138.1	29,419.1
Maryland	250.0	250.0	1,580.9	1,470.9	325.8	325.8	4,712.0	4,739.0	0.0	0.0	2,814.5	2,814.5	0.0	0.0	9,683.2	9,600.2
North Carolina	4,738.5	4,738.5	6,031.7	6,031.7	0.0	0.0	10,800.8	10,832.8	0.0	0.0	402.4	402.4	0.0	0.0	21,973.4	22,005.4
South Carolina	2,409.0	2,409.0	2,855.6	2,855.6	270.8	270.8	5,575.5	5,775.5	0.0	0.0	661.4	661.4	0.0	0.0	11,772.3	11,972.3
Virginia	5,318.4	3,846.2	3,894.1	3,879.1	557.5	557.5	4,946.9	5,543.5	0.0	0.0	2,340.3	2,340.3	0.0	0.0	17,057.2	16,166.6
West Virginia	0.0	0.0	1,071.3	1,071.3	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	15,355.9
East South Central	18,611.4	18,222.1	12,887.5	12,887.5	2,592.1	2,744.1	33,956.7	36,220.2	0.0	0.0	150.8	150.8	99.8	99.8	68,298.3	70,324.5
Alabama	9,391.3	9,391.3	2,530.6	2,530.6	189.3	189.3	10,074.4	10,746.4	0.0	0.0	42.6	42.6	99.8	99.8	22,328.0	23,000.0
Kentucky	231.0	0.0	4,870.6	4,870.6	0.0	0.0	13,508.7	15,093.7	0.0	0.0	11.9	11.9	0.0	0.0	18,622.2	19,976.2
Mississippi	7,586.1	7,427.8	1,716.9	1,716.9	2,381.6	2,533.6	2,526.0	2,526.0	0.0	0.0	43.1	43.1	0.0	0.0	14,253.7	14,247.4
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	21.2	21.2	7,847.6	7,854.1	0.0	0.0	53.2	53.2	0.0	0.0	13,094.4	13,100.9
West South Central	59,489.0	58,062.7	13,101.4	12,267.3	36,040.9	36,427.4	37,903.9	37,921.9	903.2	903.2	185.4	191.4	330.8	330.8	147,954.6	146,104.7
Arkansas	4,597.3	4,597.3	725.8	729.3	810.7	810.7	5,124.5	5,124.5	0.0	0.0	12.2	12.2	0.0	0.0	11,270.5	11,274.0
Louisiana	7,548.1	6,988.5	2,649.8	2,649.8	9,022.4	9,047.4	3,418.6	3,418.6	892.6	892.6	49.1	49.1	25.2	25.2	23,605.8	23,071.2
Oklahoma	7,216.1	7,144.4	1,316.7	1,194.7	5,369.6	5,381.1	5,257.3	5,257.3	0.0	0.0	74.4	74.4	0.0	0.0	19,234.1	19,051.9
Texas	40,127.5	39,332.5	8,409.1	7,693.5	20,838.2	21,188.2	24,103.5	24,121.5	10.6	10.6	49.7	55.7	305.6	305.6	93,844.2	92,707.6
Mountain	22,507.6	21,927.9	8,885.6	8,921.5	3,213.4	3,349.3	28,956.0	29,968.0	52.0	52.0	370.8	370.8	87.1	87.1	64,072.5	64,676.6
Arizona	9,868.7	9,888.7	2,367.6	2,367.6	1,177.6	1,177.6	5,910.0	6,170.0	0.0	0.0	90.5	90.5	0.0	0.0	19,414.4	19,694.4
Colorado	3,239.9	2,651.7	2,535.3	2,535.3	349.0	349.0	5,129.8	5,281.8	0.0	0.0	168.4	168.4	0.0	0.0	11,422.4	10,986.2
Idaho	568.5	568.5	562.1	557.5	4.3	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,157.5	1,152.9
Montana	0.0	0.0	321.6	362.1	54.0	54.0	2,289.1	2,419.1	52.0	52.0	0.0	0.0	1.5	1.5	2,718.2	2,888.7
Nevada	5,418.6	5,418.6	1,385.6	1,385.6	451.1	587.1	997.4	1,295.4	0.0	0.0	6.0	6.0	0.0	0.0	8,258.7	8,692.7
New Mexico	1,487.9	1,476.4	1,039.6	1,039.6	849.4	849.4	3,471.0	3,471.0	0.0	0.0	66.9	66.9	0.0	0.0	6,914.8	6,903.3
Utah	1,830.0	1,830.0	520.2	520.2	322.4	322.3	4,754.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,454.4	7,626.3
Wyoming	94.0	94.0	153.6	153.6	5.6	5.6	6,387.5	6,387.5	0.0	0.0	5.8	5.8	85.6	85.6	6,732.1	6,732.1
Pacific Contiguous	25,318.9	25,472.9	11,384.6	11,387.4	12,628.8	12,551.6	2,015.0	2,076.6	0.0	0.0	410.7	410.7	211.7	211.7	51,969.7	52,110.9
California	19,633.4	19,843.3	10,609.6	10,612.4	12,377.0	12,524.0	90.0	151.6	0.0	0.0	395.5	395.5	211.7	211.7	43,317.2	43,738.5
Oregon	2,916.6	2,916.6	133.8	133.8	224.2	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	2,768.9	2,713.0	641.2	641.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,792.9	4,737.0
Pacific Noncontiguous	561.2	565.2	527.8	518.8	175.0	10.0	286.1	286.1	0.0	0.0	2,575.1	2,570.0	6.4	6.4	4,131.6	3,956.5
Alaska	561.2	565.2	527.8	518.8	175.0	10.0	106.1	106.1	0.0	0.0	689.3	685.4	0.0	0.0	2,059.4	1,885.5
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,885.8	1,884.6	6.4	6.4	2,072.2	2,071.0
U.S. Total	232,989.1	227,588.1	124,770.3	124,917.9	79,141.8	79,111.8	287,021.2	299,836.9	2,190.2	2,190.2	38,102.3	39,146.3	1,914.3	1,914.3	766,129.2	774,705.5

Values for 2014 are final. Values for 2015 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 significant 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	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	BECK1	2.0	Batteries	MWH	BA
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

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	S44I	0.5	Solar Photovoltaic	SUN	PV
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	49893	Invenergy Services LLC	IPP	Grand Ridge Battery Projects	IL	59957	GRES	31.5	Batteries	MWH	BA
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	59660	Solar Star California XXXII, LLC	Commercial	UC Davis South Campus	CA	59872	UCD1	13.0	Solar Photovoltaic	SUN	PV
2015	3	57313	SolarCity Corporation	IPP	Millbrook School	NY	59789	PV1	1.4	Solar Photovoltaic	SUN	PV
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	58304	Constellation Solar Maryland II LLC	IPP	CNE at Cambridge MD	MD	59842	PV1	3.2	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	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	17650	Southern Power Co	IPP	Lost Hills/Blackwell	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV
2015	4	17650	Southern Power Co	IPP	Lost Hills/Blackwell	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV
2015	4	18000	State of Rhode Island	Commercial	Central Power Plant	RI	50621	GEN7	2.0	Natural Gas Internal Combustion Engine	NG	IC
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	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	57170	EDF Renewable Asset Holdings, Inc.	IPP	City of Corcoran Solar	CA	59087	GEN 1	11.0	Solar Photovoltaic	SUN	PV
2015	5	57170	EDF Renewable Asset Holdings, Inc.	IPP	Goose Lake Solar	CA	59086	GEN1	12.0	Solar Photovoltaic	SUN	PV
2015	5	57170	EDF Renewable Asset Holdings, 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

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	59745	First Solar Asset Management	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
2015	6	59636	HP Hood LLC	Industrial	HP Hood CT	VA	59860	HHOOD	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	59433	Imperial Valley Solar Co (IVSC) 2, LLC	IPP	Imperial Valley Solar Co (IVSC) 2	CA	59657	IVSC2	20.0	Solar Photovoltaic	SUN	PV
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
2015	8	59353	AP North Lake I, LP	IPP	AP North Lake I, LP	CA	59610	APNLI	20.0	Solar Photovoltaic	SUN	PV
2015	8	58770	Balko Wind LLC	IPP	Balko Wind LLC	OK	58900	BAL1	299.7	Onshore Wind Turbine	WND	WT
2015	8	59382	Border Winds Energy, LLC	IPP	Border Winds Wind Farm	ND	59200	1	150.0	Onshore Wind Turbine	WND	WT
2015	8	59251	Brigham Young Univ Idaho	Commercial	BYUI Central Energy Facility	ID	59496	ST601	4.6	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	59604	Bulldog Energy Airport LLC	IPP	INDY III	IN	59823	INDY3	2.5	Solar Photovoltaic	SUN	PV
2015	8	57170	EDF Renewable Asset Holdings, Inc.	IPP	Pilot Hill Wind Farm	IL	58898	K4-1	175.0	Onshore Wind Turbine	WND	WT
2015	8	59155	First Wind O&M, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	8	59155	First Wind O&M, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV
2015	8	59155	First Wind O&M, LLC	IPP	Route 66 Wind Plant	TX	58681	RT661	150.0	Onshore Wind Turbine	WND	WT
2015	8	59304	Foxfire Farm, LLC	IPP	Foxfire Solar Farm	NC	59563	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	6915	Galena Electric Utility	Electric Utility	Galena Electric Utility	AK	7437	2A	0.4	Petroleum Liquids	DFO	IC
2015	8	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Peru Solar Park	IN	59481	SPERU	3.0	Solar Photovoltaic	SUN	PV
2015	8	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	1	205.7	Onshore Wind Turbine	WND	WT
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI	58639	ANAPV	12.0	Solar Photovoltaic	SUN	PV
2015	8	59354	LKL BLBD, LLC	IPP	LKL BLBD, LLC	FL	59611	LKLBB	6.0	Solar Photovoltaic	SUN	PV
2015	8	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK8	36.5	Solar Photovoltaic	SUN	PV
2015	8	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF3	84.3	Onshore Wind Turbine	WND	WT
2015	8	59394	NextEra Energy Resources Breckinridge	IPP	Breckinridge Wind Project LLC	OK	58994	BWP	98.8	Onshore Wind Turbine	WND	WT
2015	8	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	SLR1	2.5	Solar Photovoltaic	SUN	PV
2015	8	56545	Pattern Operators LP	IPP	Logans Gap Wind LLC	TX	59442	1	200.1	Onshore Wind Turbine	WND	WT
2015	8	59383	Pleasant Valley Wind, LLC	IPP	Pleasant Valley Wind Farm	MN	59201	1	200.0	Onshore Wind Turbine	WND	WT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2S	51.0	Solar Photovoltaic	SUN	PV
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2W	30.0	Onshore Wind Turbine	WND	WT
2015	8	59589	Rockfish Solar LLC	IPP	Rockfish Solar LLC	MD	59811	GEN1	10.3	Solar Photovoltaic	SUN	PV
2015	8	59611	Royal Solar	IPP	Royal Solar	NC	59831	FLS1	4.9	Solar Photovoltaic	SUN	PV
2015	8	17164	Sierra Pacific Industries Inc	Industrial	SPI Anderson 2	CA	59658	GEN1	27.2	Wood/Wood Waste Biomass	WDS	ST
2015	8	59199	SolNCPower2, LLC	IPP	GKS Solar	NC	59426	GKS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59340	Stikeleather Farm, LLC	IPP	Stikeleather Farm	NC	59595	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58658	Sunlight Partners	IPP	Melinda Solar	NC	59502	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58658	Sunlight Partners	IPP	Porter Solar	NC	59504	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58661	Sustainable Power Group, LLC	IPP	SEPV Palmdale East	CA	59273	PALME	10.0	Solar Photovoltaic	SUN	PV
2015	8	59609	TWE Kinston Solar	IPP	Kinston Solar	NC	59832	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59610	TWE Laurinburg Solar	IPP	Laurinburg Solar	NC	59833	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59349	Walters Solar (FLS 260)	IPP	Walters Solar (FLS 260)	NC	59603	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58716	Windsor Cooper Hill Solar, LLC	IPP	Windsor Cooper Hlill Solar, LLC	NC	58847	1	5.0	Solar Photovoltaic	SUN	PV
2015	9	59211	Adelanto Solar, LLC	IPP	Adelanto Solar, LLC	CA	59441	SAS	20.0	Solar Photovoltaic	SUN	PV
2015	9	803	Arizona Public Service Co	Electric Utility	SR85	AZ	59444	PV1	10.0	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Selma	NC	59956	GEN02	1.8	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	Morgan Lancaster 1	CA	59942	ML1	1.5	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	Newton Grove	NC	59835	GEN1	1.9	Solar Photovoltaic	SUN	PV
2015	9	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.1	Petroleum Liquids	DFO	IC
2015	9	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC8	1.8	Petroleum Liquids	DFO	IC
2015	9	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-04	1.4	Other Waste Biomass	OBG	IC
2015	9	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-05	1.4	Other Waste Biomass	OBG	IC
2015	9	57170	EDF Renewable Asset Holdings, Inc.	IPP	Spinning Spur Wind III	TX	58775	GEN1	194.0	Onshore Wind Turbine	WND	WT
2015	9	57389	IKEA Property Inc	Commercial	IKEA St. Louis 410	MO	59714	IK410	1.0	Solar Photovoltaic	SUN	PV
2015	9	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Crawfordsville Solar Park	IN	59483	SCRAW	3.0	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	9	59717	Joliet Battery Storage LLC	IPP	Jake Energy Storage Center	IL	59960	JBS	19.8	Batteries	MWH	BA
2015	9	59648	Lockheed Martin Solar System	IPP	Lockheed Martin Solar System	FL	59867	LMSOL	1.9	Solar Photovoltaic	SUN	PV
2015	9	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK4	31.4	Solar Photovoltaic	SUN	PV
2015	9	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF4	88.8	Onshore Wind Turbine	WND	WT
2015	9	56990	NJR Clean Energy Ventures Corporation	IPP	Hanover	NJ	59628	HNOVR	5.0	Solar Photovoltaic	SUN	PV
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA
2015	9	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT
2015	9	59560	SunE Solar XVII Project 1, LLC	IPP	Fiddler's Canyon #1	UT	59787	FID1	3.0	Solar Photovoltaic	SUN	PV
2015	9	59561	SunE Solar XVII Project 2, LLC	IPP	Fiddler's Canyon #2	UT	59786	FID2	3.0	Solar Photovoltaic	SUN	PV
2015	9	58917	West Salisbury Farm LLC	IPP	West Salisbury Farm LLC	NC	59111	1	5.0	Solar Photovoltaic	SUN	PV
2015	10	58703	Apple One LLC	IPP	Apple One	NC	58828	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	10	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Smithfield	NC	59955	GEN01	1.8	Solar Photovoltaic	SUN	PV
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN 6	40.0	Wood/Wood Waste Biomass	BLQ	ST
2015	10	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT002	240.0	Natural Gas Fired Combined Cycle	NG	CT
2015	10	59503	Capital Dynamics	IPP	Briscoe Wind Farm	TX	59734	BFW	150.0	Onshore Wind Turbine	WND	WT
2015	10	59503	Capital Dynamics	IPP	Green Pastures Wind II	TX	59733	GPII	150.0	Onshore Wind Turbine	WND	WT
2015	10	59736	Columbia Solar Energy LLC	IPP	Columbia Solar Energy, LLC	CA	59979	GEN1	19.2	Solar Photovoltaic	SUN	PV
2015	10	58970	Ecoplexus, Inc	IPP	Shawboro PV1	NC	59155	SHAW1	20.0	Solar Photovoltaic	SUN	PV
2015	10	59533	Facile Solar LLC	IPP	Facile Solar	NC	59406	SYS1	2.0	Solar Photovoltaic	SUN	PV
2015	10	59155	First Wind O&M, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV
2015	10	59155	First Wind O&M, LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT
2015	10	59729	Golden West Power Partners, LLC	IPP	Golden West Power Partners LLC	CO	59974	GW1	250.0	Onshore Wind Turbine	WND	WT
2015	10	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Pendleton Solar Park	IN	59770	SPEND	2.0	Solar Photovoltaic	SUN	PV
2015	10	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	58985	Marion Solar LLC	IPP	Marion Solar LNG	IN	59180	PV1	1.5	Solar Photovoltaic	SUN	PV
2015	10	12341	MidAmerican Energy Co	Electric Utility	Adams Wind	IA	59637	ADWF	4.7	Onshore Wind Turbine	WND	WT
2015	10	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF5	88.8	Onshore Wind Turbine	WND	WT
2015	10	59188	Pleasant Hill Wind Energy LLC	IPP	Pleasant Hill Wind Energy Project	TX	59417	WT1	20.0	Onshore Wind Turbine	WND	WT
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC
2015	10	59637	SolNCPower6, LLC	IPP	SolNCPower6, LLC	NC	59856	SUN1	5.0	Solar Photovoltaic	SUN	PV
2015	10	58658	Sunlight Partners	IPP	Elliana Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	10	18260	Surprise Valley Electrification	Electric Utility	Paisley Geothermal Generating Plant	OR	59382	SVEP1	1.8	Geothermal	GEO	ST
2015	10	58661	Sustainable Power Group, LLC	IPP	Redcrest Solar Farm	CA	58831	PV-1	16.6	Solar Photovoltaic	SUN	PV
2015	10	58661	Sustainable Power Group, LLC	IPP	Sterlington Greenworks LLC	NY	59275	STERG	1.3	Solar Photovoltaic	SUN	PV
2015	10	58661	Sustainable Power Group, LLC	IPP	Sutter Greeworks LLC	NY	59274	SUTTG	5.0	Solar Photovoltaic	SUN	PV
2015	10	59718	West Chicago Battery Storage LLC	IPP	Elwood Energy Storage Center	IL	59959	WCBS	19.8	Batteries	MWH	BA

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	3030	Cardinal Cogen Inc	Electric CHP	Cardinal Cogen	CA	10168	GTG1	42.1	Natural Gas Fired Combined Cycle	NG	CT
2015	3	3030	Cardinal Cogen Inc	Electric CHP	Cardinal Cogen	CA	10168	STG1	9.4	Natural Gas Fired Combined Cycle	NG	CA
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	9267	Hoosier Energy R E C, Inc	Electric Utility	Frank E Ratts	IN	1043	1	110.0	Conventional Steam Coal	BIT	ST
2015	3	9267	Hoosier Energy R E C, Inc	Electric Utility	Frank E Ratts	IN	1043	2	100.0	Conventional Steam Coal	BIT	ST
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	57279	California Portland Cement Co	Industrial	Colton Plant	CA	57907	1	14.3	Conventional Steam Coal	BIT	ST
2015	4	57279	California Portland Cement Co	Industrial	Colton Plant	CA	57907	2	14.3	Conventional Steam Coal	BIT	ST
2015	4	3522	Chugach Electric Assn Inc	Electric Utility	Beluga	AK	96	8	44.0	Natural Gas Fired Combined Cycle	NG	CA
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	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	A	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	4427	Covanta Projects LP	Commercial	Covanta Wallingford Energy	CT	50664	GEN1	8.4	Municipal Solid Waste	MSW	ST
2015	4	5109	DTE Electric Company	Electric Utility	Trenton Channel	MI	1745	8	100.0	Conventional Steam Coal	SUB	ST
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	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	IC1	2.0	Petroleum Liquids	DFO	IC
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	IC2	2.0	Petroleum Liquids	DFO	IC
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	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR5	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX4	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR4	0.9	Landfill Gas	LFG	IC
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	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	E3	0.8	Other Waste Biomass	OBG	IC
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	IPP	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	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	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	1	54.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	2	65.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	3	68.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	A	13.0	Petroleum Liquids	DFO	GT
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

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	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
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
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	Noatak	AK	57051	UNIT5	0.4	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT1	0.5	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT2	0.3	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT3	0.2	Petroleum Liquids	JF	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	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	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	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
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	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST
2015	10	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2	260.0	Conventional Steam Coal	SUB	ST
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	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	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN6	2.5	Conventional Steam Coal	BIT	ST
2015	10	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2015	10	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	93.0	Conventional Steam Coal	BIT	ST

NOTES:

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

Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2015	11	59712	AES Tait LLC	IPP	AES Warrior Run Energy Storage Project	MD	59949	BESS1	11.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.0
2015	11	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5A	0.8	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	0.8
2015	11	57369	Apple, Inc	Commercial	Apple Data Center PV3	NC	59474	DCPV3	17.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	17.5
2015	11	59039	Arbuckle Mountain Wind Farm LLC	IPP	Arbuckle Mountain Wind Farm LLC	OK	59234	GEN1	100.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	100.0
2015	11	59694	BG Stewart Solar Farm LLC	IPP	BG Stewart Solar Farm, LLC	NC	59930	NB005	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	11	59476	BRE NC Solar, LLC	IPP	BRE	NC	59706	NB005	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	11	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
2015	11	58981	Bethel Solar LLC	IPP	Bethel Solar	NC	59173	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	11	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	240.0
2015	11	59730	Carousel Wind Farm, LLC	IPP	Carousel Wind Farm LLC	CO	59975	CW1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	11	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58235	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	73.0
2015	11	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	3.2
2015	11	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	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	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	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	11	59155	First Wind O&M, LLC	IPP	South Plains Wind Phase I	TX	59384	1	200.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	200.0
2015	11	9267	Hoosier Energy R E C, Inc	Electric Utility	New Castle Solar RES	IN	59981	PV1	1.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.1
2015	11	9267	Hoosier Energy R E C, Inc	Electric Utility	Scotland Solar RES	IN	59982	PV1	1.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.1
2015	11	59227	Kay Wind LLC	IPP	Kay Wind, LLC	OK	59460	KNG1	299.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	299.0
2015	11	58679	Kirkwall Holdings, LLC	IPP	Kirkwall Holdings	NC	58791	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	11	59245	Lanier Solar	IPP	Lanier Solar	NC	59486	LANIE	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2015	11	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	11	58985	Marion Solar LLC	IPP	Belmont	IN	59172	PV1	3.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.8
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	HLWF6	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	(V) Under construction, more than 50 percent complete	48.3
2015	11	14395	Palm Springs City of	Commercial	Municipal Cogen Plant	CA	50674	GEN1A	1.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	1.2
2015	11	59222	Qualcomm Incorporated	Commercial	P-Plant	CA	59456	P-TG5	4.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015	11	59274	SR Hazlehurst, LLC	IPP	SR Hazlehurst	GA	59535	HAZLE	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	11	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	11	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	11	58674	Sonne One, LLC	IPP	Sonne One	NC	58782	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	11	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	11	58658	Sunlight Partners	IPP	Buddy Solar	NC	58735	PV1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2015	11	58658	Sunlight Partners	IPP	Charlotte Solar	NC	58722	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	11	58658	Sunlight Partners	IPP	Flash Solar	NC	58726	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	11	58658	Sunlight Partners	IPP	Quincy Solar	NC	59506	PV1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2015	11	58661	Sustainable Power Group, LLC	IPP	SEPV18	CA	59730	SPV18	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2015	11	58661	Sustainable Power Group, LLC	IPP	Sierra Solar Greenworks	CA	59431	SSG1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	11	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	11	59519	TerraForm Solar XVII, LLC	IPP	RGS-Rutland VNM 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	11	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	11	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	12	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	12	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	12	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	12	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	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	0.5
2015	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	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	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	CAM1	165.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	165.0
2015	12	59365	Capital Power Corporation	IPP	Beaufort Solar, LLC	NC	59887	GEN	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
2015	12	58508	Carolina Solar Energy II 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 II 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	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	12	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	35.0
2015	12	59693	Cline Solar Farm LLC	IPP	Cline Solar Farm, LLC	NC	59929	NB007	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59692	Coats Solar Farm LLC	IPP	Coats Solar Farm, LLC	NC	59937	NB006	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Kelford	NC	59527	KELF1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Whitakers	NC	59526	WHIT1	12.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	20.0
2015	12	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	12	58695	Coronal Development Services	IPP	Cornwall Solar Center, LLC	NC	59663	CSC1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Crestwood Solar Center LLC	NC	59914	CREST	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Freemont Solar Center LLC	NC	59912	FREE	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Harrell's Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Highland Solar Center LLC	NC	59163	HSC 1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Mariposa Solar Center LLC	NC	59162	MSC 1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	(V) Under construction, more than 50 percent complete	5.0
2015	12	59464	Current Energy Group	IPP	Balsam	NC	59828	5375	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	12	59464	Current Energy Group	IPP	Sweetgum Solar	NC	59824	5732	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0

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	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	12	58468	Dominion Renewable Energy	IPP	Richland Solar Center	GA	59874	PV1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	6455	Duke Energy Florida, Inc	Electric Utility	Central Florida Solar Facility	FL	59973	XXXXX	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Camp Lejeune Solar	NC	59966	PV1	12.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.8
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Elm City Solar Facility	NC	59184	NSC 1	40.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	Roosevelt County	NM	58771	GEN1	250.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	250.0
2015	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Slate Creek Wind Project LLC	KS	59837	GEN1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	12	58970	Ecoplexus, Inc	IPP	Bradley PV1	NC	59154	BRAD1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Little River PV 1	NC	59521	LTLRV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Old Catawba PV 1	NC	59519	OLDC	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
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	Thornton PV1	NC	59152	THOR1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Watson Seed Farm PV1	NC	59153	WAT1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	59978	ECA22	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59745	First Solar Asset Management	IPP	Kingbird A 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	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	12	6452	Florida Power & Light Co	Electric Utility	Daytona International Speedway Solar	FL	60005	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	Morelos del Sol	CA	60007	MORLS	15.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	15.0
2015	12	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	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	58576	Holstein Holdings, LLC	IPP	Holstein Plant	NC	58623	PV1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Lanesville Solar RES	IN	59984	PV1	1.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.1
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	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	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	212.2	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	89.0
2015	12	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	59.0	Natural Gas Fired Combined Cycle	NG	CC	(TS) Construction complete, but not yet in commercial operation	64.0
2015	12	59341	Maricopa West Solar PV, LLC	IPP	Maricopa West Solar	CA	59607	MWS	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2015	12	59691	Meadowbrook Solar Farm LLC	IPP	Meadowbrook Solar Farm	NC	59936	NB008	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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	59322	Misenheimer Farm, LLC	IPP	Misenheimer Farm	NC	59577	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	2	9.1	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2015	12	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	3	9.1	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
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	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	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	(V) Under construction, more than 50 percent complete	5.0
2015	12	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	58477	O2energies, Inc.	IPP	Yadkinville Solar	NC	59950	YAK	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2015	12	59143	Old Mill Solar	IPP	Old Mill Solar	OR	59374	OMSLR	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	12	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	12	59016	Passadumkeag Windpark LLC	IPP	Passadumkeag Windpark LLC	ME	59222	Q357	39.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	39.9
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	(V) Under construction, more than 50 percent complete	42.3
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	(U) Under construction, less than or equal to 50 percent complete	14.4
2015	12	59710	SR Camden, LLC	IPP	SR Camden	AR	59947	AERO	12.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	78.0
2015	12	58872	Shannon Wind LLC	IPP	Shannon Wind	TX	59034	SHAN1	204.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	204.0
2015	12	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	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	(V) Under construction, more than 50 percent complete	52.0
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	59716	SunE DB24 LLC	IPP	Milford 2	UT	59958	MIL2	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2015	12	59695	SunE Solar Mt Project 3, LLC	IPP	Fidelier's Canyon 3	UT	59932	FID3	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	12	58658	Sunlight Partners	IPP	Amethyst Solar	NC	58730	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Andrew Solar	NC	59497	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	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	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Beetle Solar	NC	59511	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN 1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Chei Solar	NC	59508	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	Happy Solar	NC	59512	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Husky Solar	NC	59510	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	Jacob Solar	NC	59503	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	Kenneth Solar	NC	59507	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Murdock Solar	NC	59509	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Owen Solar	NC	58742	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	Shadow Solar	NC	58744	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2015	12	58658	Sunlight Partners	IPP	Star Solar	NC	58746	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	Sun Devil Solar	NC	59505	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	Tracy Solar	NC	59498	PV1	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	12	58661	Sustainable Power Group, LLC	IPP	Citizen B	CA	59738	CSB	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	12	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	12	58661	Sustainable Power Group, LLC	IPP	Latigo Wind Park	UT	59965	LTIGO	62.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	62.1
2015	12	58661	Sustainable Power Group, LLC	IPP	Leavenworth Greenworks LLC	NY	59276	LEAVG	9.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.5
2015	12	58661	Sustainable Power Group, LLC	IPP	Sandstone Solar	AZ	59634	SNDST	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2015	12	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	12	59570	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	(V) Under construction, more than 50 percent complete	1.6
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	58826	Thunder Spirit Wind, LLC	IPP	Thunder Spirit Wind, LLC	ND	58965	THNDR	107.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	107.5
2015	12	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	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	(TS) Construction complete, but not yet in commercial operation	80.0
2015	12	59690	Vance Solar Farm LLC	IPP	Vance Solar Farm, LLC	NC	59928	NB007	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	199.0
2015	12	59330	Wommack Farm, LLC	IPP	Wommack Farm	NC	59585	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	1	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
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	57170	EDF Renewable Asset Holdings, Inc.	IPP	Milo Wind Project LLC	NM	59838	GEN1	50.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	50.0

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	1	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	180.0
2016	1	4361	Ingredion Inc - Stockton	Industrial	Ingredion Stockton	CA	52115	GEN2	6.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	7.2
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG1	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG10	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG2	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG3	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG4	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG5	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG6	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG7	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG8	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG9	0.6	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.6
2016	1	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
2016	1	56545	Pattern Operators LP	IPP	Fowler Ridge IV Wind Farm LLC	IN	59547	1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2016	1	59491	Seville Solar One LLC	IPP	Seville 1	CA	59722	SEV1	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2016	1	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
2016	1	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
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	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	1	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
2016	2	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	2	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	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN03	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN04	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN05	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN06	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN07	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	(L) Regulatory approvals pending. Not under construction	3.8
2016	2	59759	Grant Wind, LLC	IPP	Grant Wind, LLC	OK	60013	GRANT	151.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	151.8
2016	2	58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK	58902	KNG1	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2016	2	11208	Los Angeles Department of Water & Power	IPP	Colon PV	CA	59798	W4172	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2016	2	58451	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	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
2016	2	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
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	10	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	9.3
2016	2	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(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	BLK5	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
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	58984	Winton Solar LLC	IPP	Winton Solar	NC	59177	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	2	58982	Woodland Solar LLC	IPP	Woodland Solar	NC	59175	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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	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	3	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
2016	3	59402	Garysburg Solar LLC	IPP	Garysburg Solar	NC	59641	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	3	59403	Gaston Solar LLC	IPP	Gaston Solar	NC	59642	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	3	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
2016	3	58451	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	9436	Mosaic Phosphates Co.	Industrial	Mosaic Phosphates Uncle Sam	LA	10198	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	59404	Seaboard Solar LLC	IPP	Seaboard Solar LLC	NC	59643	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	8.5
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	59347	W Power LLC	IPP	Nicolas Solar PV Plant	CA	59600	GEN1	19.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	3	59347	W Power LLC	IPP	Tropico Solar PV Plant	CA	59599	GEN1	13.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	14.0
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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	60.5
2016	4	56769	Consolidated Edison Development Inc.	IPP	OCI Alamo 5 LLC	TX	59205	OCIA5	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2016	4	58970	Ecoplexus, Inc	IPP	Meadows PV 1	NC	59513	MEAD1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	4	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
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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	11208	Los Angeles Department of Water & Power	Electric Utility	Maciley Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
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	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	58661	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	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
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	59474	BQ Energy LLC	IPP	Steel Sun	NY	59705	SSUN2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58468	Dominion Renewable Energy	IPP	Marin Carport	CA	59703	1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
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	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK2	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 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	(V) Under construction, more than 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
2016	5	11208	Los Angeles Department of Water & Power	IPP	Foothill Solar Project	CA	59799	W4528	1.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	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	(V) Under construction, more than 50 percent complete	2.0
2016	5	59669	Louisburg Solar LLC	IPP	Louisburg Solar	NC	59895	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	5	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	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	58658	Sunlight Partners	IPP	Candace Solar	NC	59499	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	5	59412	Tarboro Solar LLC	IPP	Tarboro Solar	NC	59648	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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

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	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	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	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	5	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	5	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	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	A01	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	A02	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	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	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	59076	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	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
2016	6	14534	City of Pasadena - (CA)	Electric Utility	Glenarm	CA	422	GT5	68.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	71.0
2016	6	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
2016	6	59429	Comanche LLC	IPP	Comanche Solar	CO	59656	COMCH	120.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	120.0
2016	6	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5EG	1.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.0
2016	6	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	(L) Regulatory approvals pending. 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	CA	(V) Under construction, more than 50 percent complete	250.0
2016	6	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
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	58909	Fremont Farm LLC	IPP	Fremont Farm	NC	59103	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	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
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	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
2016	6	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
2016	6	59000	Helger Holdings LLC	IPP	Helger Holdings	NC	59218	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	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	33.8
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	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
2016	6	59343	Maricopa East Solar PV, LLC	IPP	Maricopa East Solar	CA	59609	ME5	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	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
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	WTG5	15.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.6
2016	6	59492	Seville Solar Two LLC	IPP	Seville 2	CA	59723	SEV2	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2016	6	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	6	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	6	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
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	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
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	LWADB	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	59011	Tiburon Holdings	IPP	Tiburon Holdings	NC	59217	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	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
2016	6	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
2016	6	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
2016	6	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
2016	6	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
2016	6	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
2016	6	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	6	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
2016	6	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
2016	6	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
2016	6	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
2016	6	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
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	SG1	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	59155	First Wind O&M, LLC	IPP	Enterprise Solar, LLC	UT	59386	ENTS1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	7	59155	First Wind O&M, LLC	IPP	Escalante Solar I, LLC	UT	59387	ESCS1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	7	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	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	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	105.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	105.0
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
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	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	8	59616	63SU 8me, LLC	IPP	Springbok Solar Farm 2	CA	59840	SB2	155.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	155.0
2016	8	58897	7DSM 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	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	8	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	8	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	8	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	8	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	8	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	8	4329	Copper Valley Elec Assn, Inc	Electric Utility	Allison Creek Hydro	AK	58982	GEN1	6.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	6.5
2016	8	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	8	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	8	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	8	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	8	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	8	59709	Granite Mountain Solar East LLC	IPP	Granite Mountain Solar East	UT	59946	GMSE	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59708	Granite Mountain Solar West, LLC	IPP	Granite Mountain Solar West	UT	59945	GMSW	51.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.3
2016	8	59705	Iron Springs Solar, LLC	IPP	Iron Springs Solar	UT	59941	IS5	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	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	8	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	8	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	8	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	8	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	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	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	8	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	8	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	8	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	8	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	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	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	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	9	59520	BWC Origination 5, LLC	IPP	BlueWave Capital-Mattapoisett (SREC II)	MA	59753	1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
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	(L) Regulatory approvals pending. Not under construction	13.5
2016	9	58970	Ecoplexus, Inc	IPP	Vaughn Creek PV1	NC	60001	VNCRK	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59745	First Solar Asset Management	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	9	59745	First Solar Asset Management	IPP	Stateline Solar	NV	58646	STL	299.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	299.9
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	59481	Franklinton Solar LLC	IPP	Franklinton Solar	NC	59708	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	BESS	28.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	30.0
2016	9	9324	Indiana Michigan Power Co	Electric Utility	Waterviet PV	MI	59853	WVPV1	4.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.6
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 II	CA	59253	PV1	14.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016	9	59680	Lillington Solar LLC	IPP	Lillington Solar	NC	59921	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	107.0
2016	9	59682	Pollocksville Solar LLC	IPP	Pollocksville Solar	NC	59917	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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 Tranquility LLC	IPP	RE Tranquility	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	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	59681	Smithfield Solar LLC	IPP	Smithfield Solar LLC	NC	59920	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59605	South Louisburg Solar LLC	IPP	South Louisburg Solar	NC	59825	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefinery	FL	58997	G1001	12.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
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	59273	62SK 8me, LLC	IPP	Springbok Solar Farm 1	CA	59532	SB1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
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	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	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	(U) Under construction, less than or equal to 50 percent complete	14.4
2016	10	58680	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	59155	First Wind O&M, LLC	IPP	Escalante Solar II, LLC	UT	59388	ESCS2	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCS3	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	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	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

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	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	59285	Innovative Solar 6, LLC	IPP	Innovative Solar 6	NC	59542	IS6	3.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.6
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	58815	KDC Solar RTC LLC	IPP	Delilah Road Landfill	NJ	58951	DRL5	9.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	9.0
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	58849	Mariah North West LLC	IPP	Mariah North	TX	59005	MAR1	230.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	230.4
2016	10	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	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	(U) Under construction, less than or equal to 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	58838	Parrey, LLC	IPP	Henrietta Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	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	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	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	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	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	58849	Mariah North West LLC	IPP	Mariah East	TX	59006	MARN	139.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	139.2
2016	11	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	11	59110	SUNE BEACON SITE 5, LLC	IPP	Beacon Solar Plant Site 5	CA	59308	BEAC5	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	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	11	59272	414MB Bme, LLC	IPP	Bordwin Sotei Farm	CA	59531	BRDN	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	12	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	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	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	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	127.0
2016	12	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	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	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	59464	Current Energy Group	IPP	Hickory	NC	59829	5515	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	12	5109	DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN3	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STA	40.0	Natural Gas Fired Combined Cycle	NG	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	Natural Gas Fired Combined Cycle	NG	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	American Legion PV 1	NC	59516	AMLEG	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	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	12	58970	Ecoplexus, Inc	IPP	Benthall Bridge PV 1	NC	59515	BENT1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Boykin PV1	NC	59996	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	Flat Meeks PV 1	NC	59514	FLAT1	3.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
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 PV1	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	59684	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

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	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	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	59155	First Wind O&M, LLC	IPP	Mililani South PV	HI	58281	1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	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	59248	Highwater Solar I	IPP	Highwater Solar I	NC	59487	HIGHW	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
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	Ellettsville Solar RES	IN	59985	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	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2016	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	143.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	143.0
2016	12	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	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	59846	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-A	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	3.0
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	55910	Lanai Sustainability Research LLC	IPP	Mililani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
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 South	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	59875	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	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	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	Solel 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	58860	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	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
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	Eden Solar LLC	NC	59778	EDENS	47.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	47.7
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	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
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
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	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	12	57341	Veolia Energy	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	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	59308	Bearford Farm, 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	CML&P 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	CML&P 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	CML&P 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

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	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	5S01	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	5S02	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	5S11	1.7	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	1.7
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
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	Enivromission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	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	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
2017	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
2017	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
2017	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
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	65GTG	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	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
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	59693	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	10	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	104.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	104.5
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

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	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
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 Tranquility 8 LLC	IPP	RE Tranquility 8	CA	59940	TQ8	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	205.3
2017	12	58843	Searchlight Wind Energy LLC	IPP	Searchlight Wind	NV	58988	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2017	12	59056	Tri Global Energy, LLC	IPP	Bearkat	TX	59972	BRKAT	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
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	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.5
2018	1	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	59683	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	59283	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	3502	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	Natural Gas Fired Combined Cycle	NG	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	56883	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	56883	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	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59948	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59948	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	58771	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

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)
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	G3A	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	58794	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
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	58794	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	58794	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 signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	11	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5	0.5	Petroleum Liquids	DFO	IC
2015	11	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	11	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	11	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2015	11	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	11	12897	Moose Lake Water & Light Comm	Electric Utility	Moose Lake	MN	1996	2	1.1	Petroleum Liquids	DFO	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	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	4	335.0	Natural Gas Steam Turbine	NG	ST
2015	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Seminole (OK)	OK	2956	GT1	16.5	Natural Gas Fired Combustion Turbine	NG	GT
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	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	8198	City of Harrisonburg - (VA)	Electric Utility	Harrisonburg Power Plant	VA	56006	ST-1	2.7	Natural Gas Steam Turbine	NG	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	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	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	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	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
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	Colbert	AL	47	1	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	3	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	4	178.0	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	5	20838	Win-Sam Inc	Commercial	University of Texas at San Antonio	TX	54606	GEN1	3.3	Natural Gas Internal Combustion Engine	NG	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

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	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	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
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

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
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
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-October 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	61.0%	48.3%	5.2%	10.4%	8.5%	12.5%	1.1%	1.4%
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	71.2%	47.2%	6.6%	10.0%	7.8%	19.5%	3.8%	2.3%
February	71.9%	42.5%	4.7%	9.2%	8.7%	12.0%	0.9%	1.5%
March	61.7%	39.7%	4.7%	7.2%	7.1%	13.7%	1.1%	1.4%
April	51.1%	40.3%	3.8%	7.2%	7.9%	9.4%	0.5%	1.0%
May	54.1%	45.0%	5.0%	9.8%	7.8%	10.2%	0.6%	1.6%
June	64.8%	51.1%	5.4%	11.8%	7.6%	14.8%	0.9%	1.3%
July	67.9%	57.7%	6.2%	15.2%	9.7%	15.0%	1.0%	1.5%
August	67.5%	61.0%	6.6%	16.9%	11.0%	14.4%	1.3%	1.5%
Sept	59.2%	55.4%	5.7%	12.7%	9.5%	13.5%	0.7%	1.4%
October	50.7%	49.0%	5.2%	10.6%	8.8%	8.6%	0.7%	1.3%
November	56.0%	43.7%	4.5%	7.6%	8.3%	7.7%	0.8%	1.2%
December	56.6%	46.2%	4.1%	5.9%	7.2%	10.7%	0.6%	1.1%
Year 2015								
January	62.0%	53.1%	4.0%	6.8%	NA	12.6%	0.6%	8.2%
February	65.4%	52.7%	6.0%	8.8%	NA	22.3%	1.7%	6.7%
March	50.6%	51.1%	4.9%	8.7%	NA	8.3%	0.7%	5.5%
April	42.9%	48.3%	5.6%	10.4%	NA	12.1%	1.1%	7.1%
May	49.8%	50.5%	6.9%	9.8%	NA	13.7%	1.4%	7.1%
June	62.5%	61.8%	8.3%	14.1%	NA	13.5%	1.3%	6.5%
July	66.7%	67.7%	10.7%	20.0%	NA	18.4%	1.6%	9.2%
August	64.7%	67.3%	8.7%	19.9%	NA	17.4%	1.5%	10.3%
Sept	58.5%	62.0%	7.9%	15.0%	NA	17.0%	1.5%	7.3%
October	46.8%	53.7%	6.4%	10.9%	NA	14.2%	1.2%	6.9%

Values for 2014 and prior years are final. Values for 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-October 2015

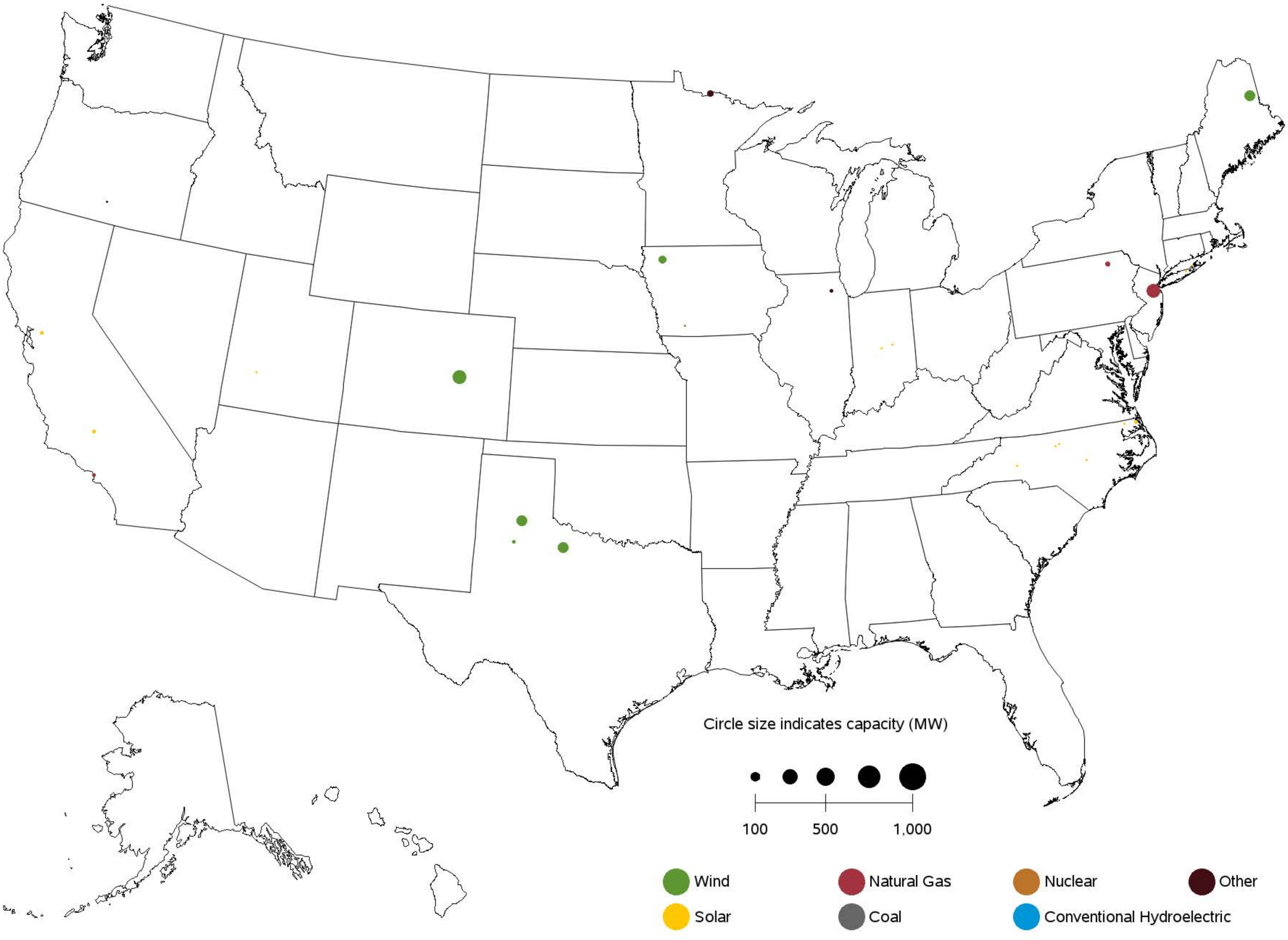
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	NA	NA	68.9%	56.7%	73.6%
2014	91.7%	37.3%	34.0%	25.9%	19.8%	68.9%	58.9%	74.0%
Year 2013								
January	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	99.1%	36.7%	40.3%	NA	NA	68.1%	60.0%	74.0%
February	94.0%	32.6%	34.8%	NA	NA	68.3%	59.5%	73.3%
March	84.5%	40.7%	39.8%	NA	NA	69.6%	59.7%	73.5%
April	78.8%	44.5%	43.2%	NA	NA	69.9%	49.5%	74.6%
May	85.2%	44.6%	34.9%	NA	NA	70.6%	48.2%	73.2%
June	95.4%	44.8%	36.5%	NA	NA	70.8%	63.0%	73.4%
July	97.5%	41.3%	27.0%	NA	NA	73.1%	63.4%	72.5%
August	96.4%	33.7%	22.5%	30.9%	25.4%	71.1%	62.8%	73.0%
Sept	94.6%	28.2%	26.1%	30.7%	26.3%	68.9%	61.2%	74.2%
October	84.5%	29.2%	31.6%	26.5%	21.1%	64.4%	56.5%	73.9%
November	91.3%	32.6%	42.3%	22.3%	13.8%	66.1%	62.1%	77.3%
December	99.6%	37.8%	30.4%	15.1%	5.6%	65.4%	60.8%	75.5%
Year 2015								
January	101.3%	41.5%	31.7%	19.7%	5.1%	67.4%	54.1%	73.7%
February	95.8%	42.5%	34.4%	26.2%	15.9%	62.2%	57.3%	74.2%
March	88.0%	41.8%	31.7%	30.5%	24.2%	59.0%	49.4%	75.0%
April	84.2%	39.3%	37.8%	34.3%	32.5%	65.5%	40.7%	70.6%
May	89.8%	34.1%	35.2%	34.0%	31.1%	67.3%	46.9%	74.4%
June	96.4%	35.0%	28.3%	34.4%	34.5%	69.6%	53.1%	72.3%
July	97.2%	35.5%	27.7%	33.9%	35.1%	70.8%	58.5%	72.7%
August	98.6%	33.0%	26.0%	33.7%	32.8%	70.2%	59.8%	72.1%
Sept	93.5%	28.4%	28.2%	29.2%	27.5%	65.2%	50.8%	65.9%
October	82.5%	28.1%	31.9%	25.5%	16.7%	65.9%	45.5%	69.8%

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

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

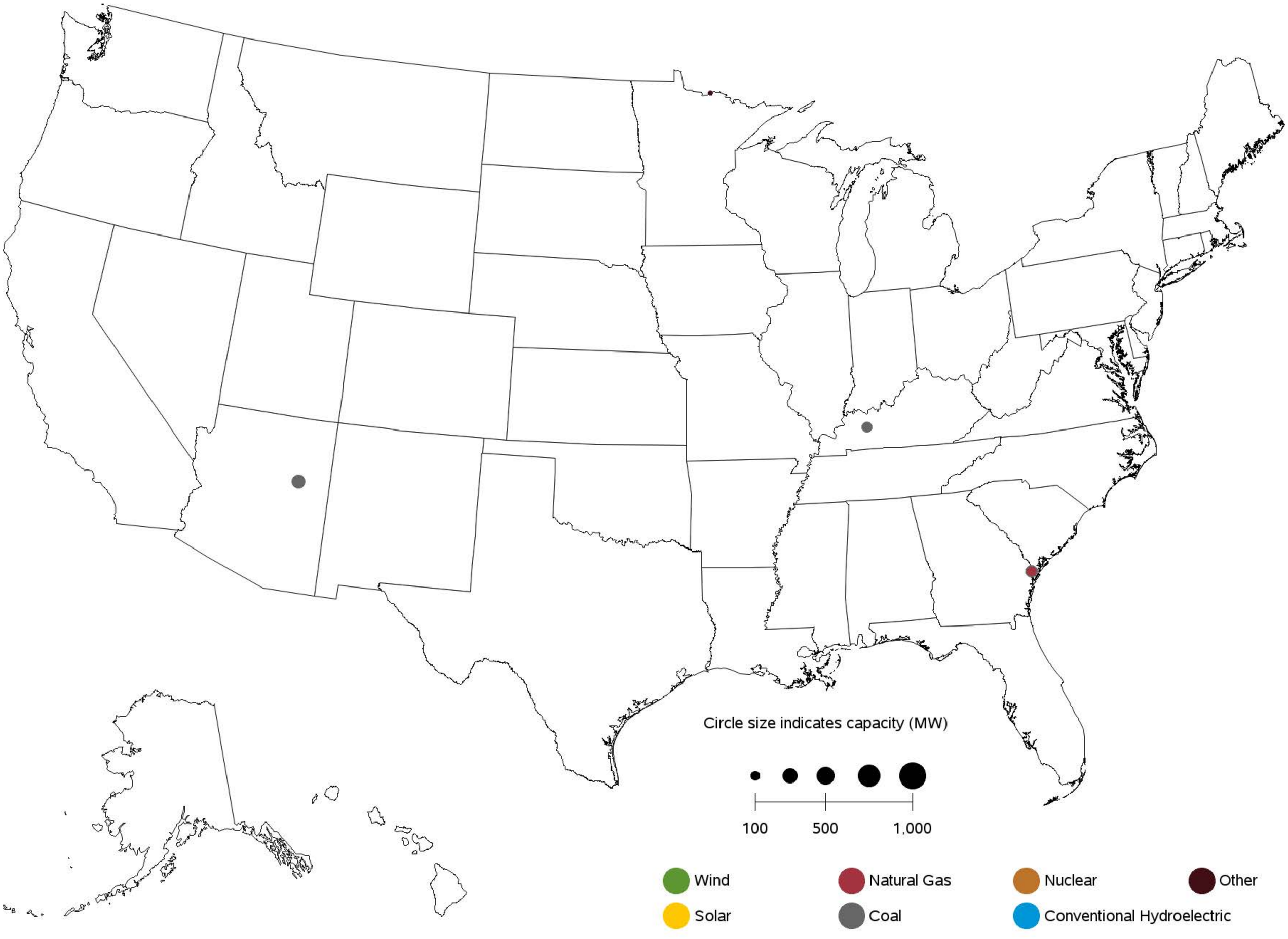
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility-Scale Generating Units Added in October 2015



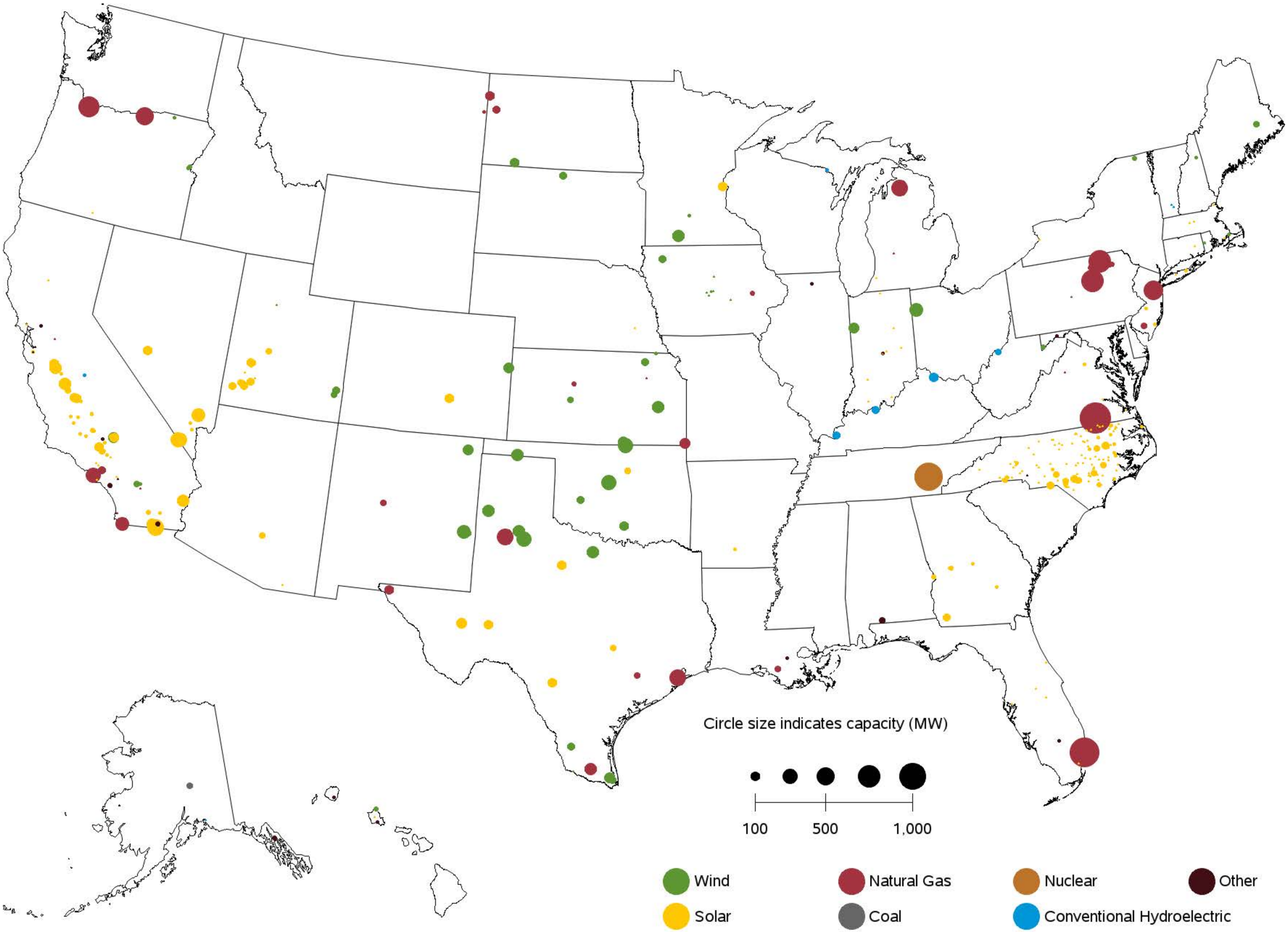
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in October 2015



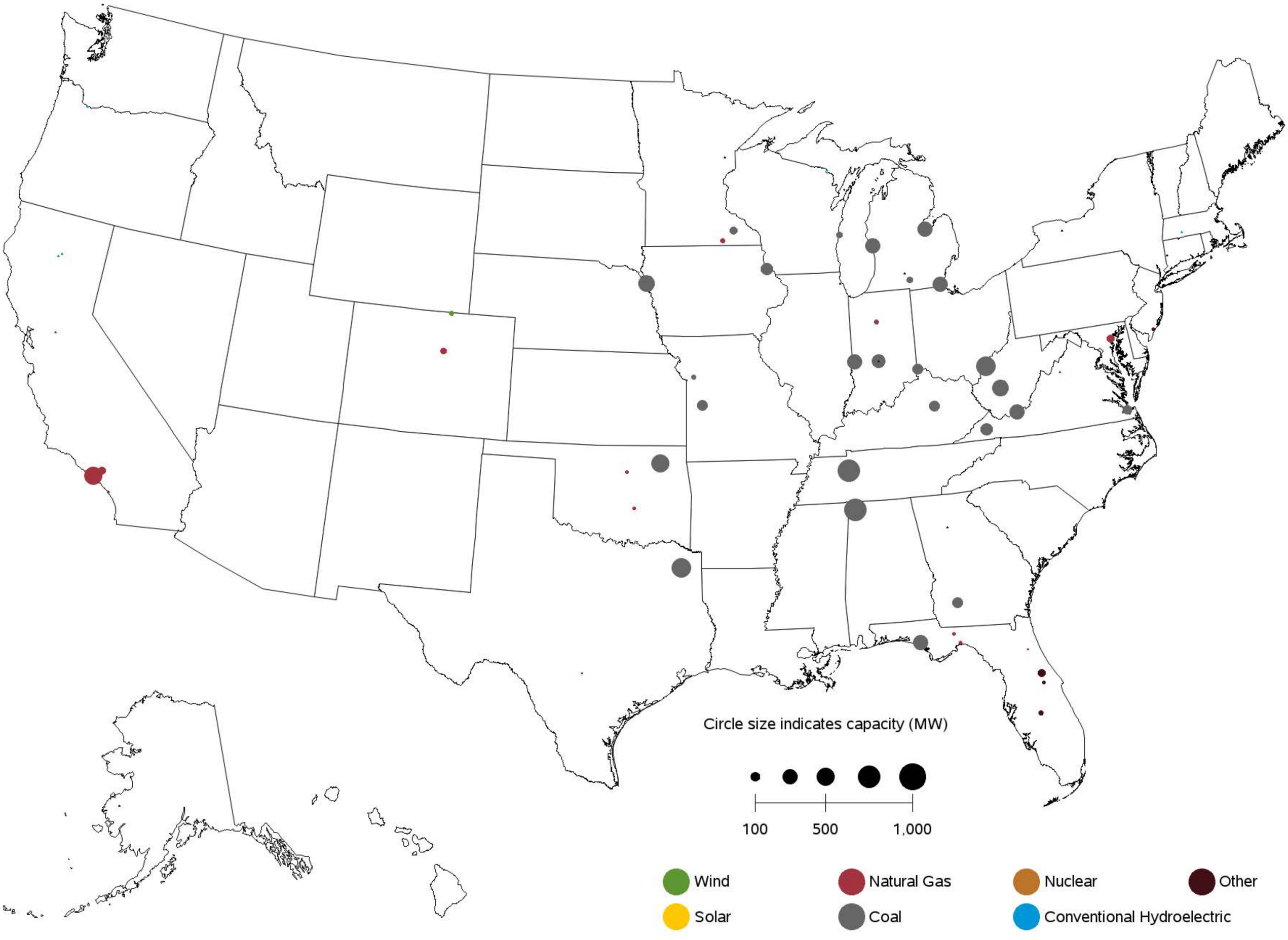
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from November 2015 to October 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 November 2015 to October 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, October 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**18**	**0**	**1**	**0**	**0**	**14**
Connecticut	0	37	0	2	0	0	66
Maine	0	10	0	4	0	0	19
Massachusetts	1	45	0	2	0	0	43
New Hampshire	0	85	0	1	0	0	27
Rhode Island	0	74	0	1	0	0	665
Vermont	0	271	0	0	0	0	40
Middle Atlantic	**3**	**11**	**73**	**1**	**28**	**0**	**4**
New Jersey	0	33	246	2	92	0	282
New York	3	15	0	2	0	0	4
Pennsylvania	3	16	74	1	23	0	22
East North Central	**0**	**3**	**7**	**1**	**17**	**0**	**14**
Illinois	0	7	0	3	65	0	111
Indiana	0	5	0	2	15	0	22
Michigan	2	7	31	3	0	0	28
Ohio	1	2	0	1	42	0	40
Wisconsin	0	20	0	3	0	0	23
West North Central	**1**	**14**	**106**	**7**	**152**	**0**	**5**
Iowa	3	11	106	17	0	0	37
Kansas	0	7	0	52	0	0	322
Minnesota	3	78	0	5	0	0	44
Missouri	0	4	0	13	0	0	25
Nebraska	2	65	0	76	0	0	32
North Dakota	2	13	0	62	152	0	0
South Dakota	0	23	0	36	0	0	0
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**6**
Delaware	0	154	0	5	0	0	0
District of Columbia	0	0	0	114	0	0	0
Florida	1	5	0	0	0	0	94
Georgia	1	29	0	1	0	0	18
Maryland	0	13	0	7	0	0	5
North Carolina	2	18	0	1	0	0	9
South Carolina	0	7	0	1	0	0	16
Virginia	3	5	0	1	0	0	19
West Virginia	0	0	0	0	0	0	25
East South Central	**1**	**10**	**0**	**1**	**82**	**0**	**5**
Alabama	1	55	0	1	111	0	7
Kentucky	1	5	0	2	0	0	10
Mississippi	0	35	0	2	0	0	0
Tennessee	0	4	0	2	0	0	8
West South Central	**0**	**4**	**4**	**1**	**4**	**0**	**10**
Arkansas	0	0	0	3	0	0	11
Louisiana	0	0	4	2	4	0	0
Oklahoma	1	51	0	1	0	0	40
Texas	0	7	45	1	6	0	53
Mountain	**1**	**6**	**0**	**1**	**9**	**0**	**4**
Arizona	0	2	0	1	0	0	2
Colorado	0	95	0	3	0	0	22
Idaho	59	8,849	0	4	0	0	9
Montana	4	35	0	42	0	0	5
Nevada	0	0	0	1	0	0	3
New Mexico	0	11	0	6	0	0	110
Utah	2	17	0	6	0	0	44
Wyoming	2	13	0	24	9	0	22
Pacific Contiguous	**1**	**13**	**531**	**2**	**5**	**0**	**1**
California	33	12	531	2	7	0	7
Oregon	0	24	0	2	0	0	2
Washington	0	69	0	2	0	0	1
Pacific Noncontiguous	**5**	**1**	**0**	**15**	**90**	**0**	**15**
Alaska	10	2	0	15	0	0	15
Hawaii	6	1	0	0	90	0	62
U.S. Total	**0**	**1**	**3**	**0**	**6**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, October 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**	**10**	**4**	**0**	**6**	**1**
Connecticut	0	0	0	59	5	0	8	1
Maine	0	0	0	0	1	0	28	5
Massachusetts	0	0	0	11	8	0	6	2
New Hampshire	0	0	0	0	17	0	43	5
Rhode Island	0	0	0	68	10	0	0	2
Vermont	0	0	0	34	14	0	0	22
Middle Atlantic	**0**	**0**	**0**	**9**	**2**	**0**	**6**	**1**
New Jersey	0	0	0	10	6	0	7	1
New York	0	0	0	18	2	0	10	1
Pennsylvania	0	0	0	28	2	0	9	1
East North Central	**0**	**0**	**0**	**14**	**1**	**0**	**10**	**0**
Illinois	0	0	0	32	1	0	39	0
Indiana	0	0	0	18	1	0	5	0
Michigan	0	0	0	0	3	0	13	1
Ohio	0	0	0	30	4	0	0	1
Wisconsin	0	0	0	202	6	0	47	1
West North Central	**0**	**0**	**0**	**50**	**1**	**0**	**15**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	191	0	0	303	1
Minnesota	0	0	0	139	2	0	16	2
Missouri	0	0	0	56	3	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**2**	**0**	**5**	**0**
Delaware	0	0	0	32	23	0	0	5
District of Columbia	0	0	0	0	0	0	0	114
Florida	0	0	0	10	4	0	5	0
Georgia	0	0	0	17	4	0	0	1
Maryland	0	0	0	18	3	0	2	1
North Carolina	0	0	0	6	5	0	31	1
South Carolina	0	0	0	105	8	0	36	1
Virginia	0	0	0	0	3	0	11	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**28**	**4**	**0**	**27**	**1**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	10	0	0	1
Mississippi	0	0	0	0	4	0	260	2
Tennessee	0	0	0	28	10	0	0	1
West South Central	**0**	**0**	**0**	**7**	**0**	**0**	**13**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	17	1
Oklahoma	0	0	0	0	1	0	130	1
Texas	0	0	0	7	0	0	15	0
Mountain	**0**	**7**	**0**	**2**	**1**	**0**	**6**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	11	1	0	102	1
Idaho	0	64	0	0	5	0	0	4
Montana	0	0	0	0	3	0	0	3
Nevada	0	8	0	3	5	0	144	1
New Mexico	0	166	0	8	3	0	0	2
Utah	0	12	0	39	7	0	6	2
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**5**	**0**	**1**	**2**	**0**	**14**	**1**
California	0	5	0	1	2	0	15	1
Oregon	0	11	0	45	3	0	46	1
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**29**	**5**	**0**	**0**	**3**
Alaska	0	0	0	0	23	0	0	8
Hawaii	0	0	0	29	4	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**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.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**18**	**0**	**1**	**0**	**0**	**14**
Connecticut	0	37	0	2	0	0	66
Maine	0	10	0	4	0	0	19
Massachusetts	1	45	0	2	0	0	43
New Hampshire	0	85	0	1	0	0	27
Rhode Island	0	74	0	1	0	0	665
Vermont	0	271	0	0	0	0	40
Middle Atlantic	**3**	**11**	**73**	**1**	**28**	**0**	**4**
New Jersey	0	33	246	2	92	0	282
New York	3	15	0	2	0	0	4
Pennsylvania	3	16	74	1	23	0	22
East North Central	**0**	**3**	**7**	**1**	**17**	**0**	**14**
Illinois	0	7	0	3	65	0	111
Indiana	0	5	0	2	15	0	22
Michigan	2	7	31	3	0	0	28
Ohio	1	2	0	1	42	0	40
Wisconsin	0	20	0	3	0	0	23
West North Central	**1**	**14**	**106**	**7**	**152**	**0**	**5**
Iowa	3	11	106	17	0	0	37
Kansas	0	7	0	52	0	0	322
Minnesota	3	78	0	5	0	0	44
Missouri	0	4	0	13	0	0	25
Nebraska	2	65	0	76	0	0	32
North Dakota	2	13	0	62	152	0	0
South Dakota	0	23	0	36	0	0	0
South Atlantic	**0**	**4**	**0**	**0**	**0**	**0**	**6**
Delaware	0	154	0	5	0	0	0
District of Columbia	0	0	0	114	0	0	0
Florida	1	5	0	0	0	0	94
Georgia	1	29	0	1	0	0	18
Maryland	0	13	0	7	0	0	5
North Carolina	2	18	0	1	0	0	9
South Carolina	0	7	0	1	0	0	16
Virginia	3	5	0	1	0	0	19
West Virginia	0	0	0	0	0	0	25
East South Central	**1**	**10**	**0**	**1**	**82**	**0**	**5**
Alabama	1	55	0	1	111	0	7
Kentucky	1	5	0	2	0	0	10
Mississippi	0	35	0	2	0	0	0
Tennessee	0	4	0	2	0	0	8
West South Central	**0**	**4**	**4**	**1**	**4**	**0**	**10**
Arkansas	0	0	0	3	0	0	11
Louisiana	0	0	4	2	4	0	0
Oklahoma	1	51	0	1	0	0	40
Texas	0	7	45	1	6	0	53
Mountain	**1**	**6**	**0**	**1**	**9**	**0**	**4**
Arizona	0	2	0	1	0	0	2
Colorado	0	95	0	3	0	0	22
Idaho	59	8,849	0	4	0	0	9
Montana	4	35	0	42	0	0	5
Nevada	0	0	0	1	0	0	3
New Mexico	0	11	0	6	0	0	110
Utah	2	17	0	6	0	0	44
Wyoming	2	13	0	24	9	0	22
Pacific Contiguous	**1**	**13**	**531**	**2**	**5**	**0**	**1**
California	33	12	531	2	7	0	7
Oregon	0	24	0	2	0	0	2
Washington	0	69	0	2	0	0	1
Pacific Noncontiguous	**5**	**1**	**0**	**15**	**90**	**0**	**15**
Alaska	10	2	0	15	0	0	15
Hawaii	6	1	0	0	90	0	62
U.S. Total	**0**	**1**	**3**	**0**	**6**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through October 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**	**10**	**4**	**0**	**6**	**1**
Connecticut	0	0	0	59	5	0	8	1
Maine	0	0	0	0	1	0	28	5
Massachusetts	0	0	0	11	8	0	6	2
New Hampshire	0	0	0	0	17	0	43	5
Rhode Island	0	0	0	68	10	0	0	2
Vermont	0	0	0	34	14	0	0	22
Middle Atlantic	**0**	**0**	**0**	**9**	**2**	**0**	**6**	**1**
New Jersey	0	0	0	10	6	0	7	1
New York	0	0	0	18	2	0	10	1
Pennsylvania	0	0	0	28	2	0	9	1
East North Central	**0**	**0**	**0**	**14**	**1**	**0**	**10**	**0**
Illinois	0	0	0	32	1	0	39	0
Indiana	0	0	0	18	1	0	5	0
Michigan	0	0	0	0	3	0	13	1
Ohio	0	0	0	30	4	0	0	1
Wisconsin	0	0	0	202	6	0	47	1
West North Central	**0**	**0**	**0**	**50**	**1**	**0**	**15**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	191	0	0	303	1
Minnesota	0	0	0	139	2	0	16	2
Missouri	0	0	0	56	3	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**2**	**0**	**5**	**0**
Delaware	0	0	0	32	23	0	0	5
District of Columbia	0	0	0	0	0	0	0	114
Florida	0	0	0	10	4	0	5	0
Georgia	0	0	0	17	4	0	0	1
Maryland	0	0	0	18	3	0	2	1
North Carolina	0	0	0	6	5	0	31	1
South Carolina	0	0	0	105	8	0	36	1
Virginia	0	0	0	0	3	0	11	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**28**	**4**	**0**	**27**	**1**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	10	0	0	1
Mississippi	0	0	0	0	4	0	260	2
Tennessee	0	0	0	28	10	0	0	1
West South Central	**0**	**0**	**0**	**7**	**0**	**0**	**13**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	17	1
Oklahoma	0	0	0	0	1	0	130	1
Texas	0	0	0	7	0	0	15	0
Mountain	**0**	**7**	**0**	**2**	**1**	**0**	**6**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	11	1	0	102	1
Idaho	0	64	0	0	5	0	0	4
Montana	0	0	0	0	3	0	0	3
Nevada	0	8	0	3	5	0	144	1
New Mexico	0	166	0	8	3	0	0	2
Utah	0	12	0	39	7	0	6	2
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**5**	**0**	**1**	**2**	**0**	**14**	**1**
California	0	5	0	1	2	0	15	1
Oregon	0	11	0	45	3	0	46	1
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**29**	**5**	**0**	**0**	**3**
Alaska	0	0	0	0	23	0	0	8
Hawaii	0	0	0	29	4	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**4**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**16**	**0**	**6**	**0**	**0**	**39**
Connecticut	0	31	0	0	0	0	232
Maine	0	144	0	0	0	0	0
Massachusetts	0	23	0	6	0	0	99
New Hampshire	0	37	0	0	0	0	39
Rhode Island	0	18	0	0	0	0	0
Vermont	0	234	0	0	0	0	67
Middle Atlantic	**0**	**17**	**0**	**6**	**0**	**0**	**2**
New Jersey	0	441	0	166	0	0	0
New York	0	17	0	6	0	0	1
Pennsylvania	0	54	0	548	0	0	152
East North Central	**1**	**3**	**0**	**2**	**40**	**0**	**15**
Illinois	0	21	0	47	0	0	200
Indiana	0	4	0	2	320	0	22
Michigan	2	6	0	7	0	0	29
Ohio	1	3	0	3	0	0	20
Wisconsin	0	13	0	2	0	0	24
West North Central	**1**	**8**	**0**	**7**	**0**	**0**	**5**
Iowa	3	11	0	15	0	0	37
Kansas	0	7	0	56	0	0	0
Minnesota	3	20	0	4	0	0	59
Missouri	0	4	0	16	0	0	25
Nebraska	2	65	0	76	0	0	32
North Dakota	2	10	0	65	0	0	0
South Dakota	0	23	0	36	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**7**
Delaware	0	235	0	260	0	0	0
Florida	0	2	0	0	0	0	94
Georgia	0	9	0	0	0	0	18
Maryland	0	28	0	0	0	0	0
North Carolina	0	14	0	1	0	0	9
South Carolina	0	5	0	1	0	0	16
Virginia	0	2	0	0	0	0	18
West Virginia	0	0	0	0	0	0	70
East South Central	**1**	**3**	**0**	**2**	**0**	**0**	**5**
Alabama	0	0	0	6	0	0	7
Kentucky	1	5	0	1	0	0	10
Mississippi	0	46	0	3	0	0	0
Tennessee	0	1	0	0	0	0	8
West South Central	**0**	**4**	**0**	**2**	**0**	**0**	**11**
Arkansas	0	0	0	11	0	0	11
Louisiana	0	1	0	3	0	0	0
Oklahoma	0	4	0	2	0	0	40
Texas	0	9	0	2	0	0	54
Mountain	**1**	**5**	**0**	**1**	**0**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	95	0	2	0	0	22
Idaho	0	8,849	0	6	0	0	9
Montana	126	83	0	44	0	0	5
Nevada	0	1	0	0	0	0	2
New Mexico	0	11	0	8	0	0	110
Utah	0	2	0	3	0	0	44
Wyoming	2	4	0	236	0	0	21
Pacific Contiguous	**0**	**6**	**0**	**2**	**0**	**0**	**1**
California	0	3	0	3	0	0	6
Oregon	0	17	0	3	0	0	2
Washington	0	222	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**15**	**0**	**0**	**15**
Alaska	0	2	0	15	0	0	15
Hawaii	0	1	0	0	0	0	227
U.S. Total	**0**	**1**	**0**	**0**	**40**	**0**	**1**

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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, October 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**	**63**	**3**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	164
Maine	0	0	0	0	0	0	0	144
Massachusetts	0	0	0	63	41	0	0	35
New Hampshire	0	0	0	0	0	0	0	11
Rhode Island	0	0	0	0	0	0	0	18
Vermont	0	0	0	0	0	0	0	25
Middle Atlantic	**0**	**0**	**0**	**28**	**5**	**0**	**0**	**2**
New Jersey	0	0	0	28	28	0	0	42
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	147
East North Central	**0**	**0**	**0**	**44**	**1**	**0**	**25**	**1**
Illinois	0	0	0	348	98	0	0	2
Indiana	0	0	0	55	17	0	0	0
Michigan	0	0	0	0	1	0	83	1
Ohio	0	0	0	74	55	0	0	1
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	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	4	0	0	2
Missouri	0	0	0	0	43	0	0	0
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**9**	**3**	**0**	**0**	**0**
Delaware	0	0	0	91	91	0	0	215
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	81	81	0	0	1
Maryland	0	0	0	78	78	0	0	37
North Carolina	0	0	0	90	90	0	0	1
South Carolina	0	0	0	0	7	0	0	1
Virginia	0	0	0	0	1	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**34**	**0**	**0**	**1**
Alabama	0	0	0	0	813	0	0	1
Kentucky	0	0	0	0	32	0	0	1
Mississippi	0	0	0	0	0	0	0	2
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	2
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**8**	**2**	**0**	**147**	**0**
Arizona	0	0	0	8	8	0	0	0
Colorado	0	0	0	0	7	0	0	1
Idaho	0	0	0	0	6	0	0	7
Montana	0	0	0	0	0	0	0	8
Nevada	0	0	0	0	0	0	144	0
New Mexico	0	0	0	21	21	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**3**	**0**	**11**	**1**	**0**	**0**	**1**
California	0	0	0	11	3	0	0	2
Oregon	0	191	0	90	4	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**39**	**21**	**0**	**0**	**4**
Alaska	0	0	0	0	37	0	0	8
Hawaii	0	0	0	39	18	0	0	2
U.S. Total	**0**	**3**	**0**	**6**	**0**	**0**	**4**	**0**

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**16**	**0**	**6**	**0**	**0**	**39**
Connecticut	0	31	0	0	0	0	232
Maine	0	144	0	0	0	0	0
Massachusetts	0	23	0	6	0	0	99
New Hampshire	0	37	0	0	0	0	39
Rhode Island	0	18	0	0	0	0	0
Vermont	0	234	0	0	0	0	67
Middle Atlantic	**0**	**17**	**0**	**6**	**0**	**0**	**2**
New Jersey	0	441	0	166	0	0	0
New York	0	17	0	6	0	0	1
Pennsylvania	0	54	0	548	0	0	152
East North Central	**1**	**3**	**0**	**2**	**40**	**0**	**15**
Illinois	0	21	0	47	0	0	200
Indiana	0	4	0	2	320	0	22
Michigan	2	6	0	7	0	0	29
Ohio	1	3	0	3	0	0	20
Wisconsin	0	13	0	2	0	0	24
West North Central	**1**	**8**	**0**	**7**	**0**	**0**	**5**
Iowa	3	11	0	15	0	0	37
Kansas	0	7	0	56	0	0	0
Minnesota	3	20	0	4	0	0	59
Missouri	0	4	0	16	0	0	25
Nebraska	2	65	0	76	0	0	32
North Dakota	2	10	0	65	0	0	0
South Dakota	0	23	0	36	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**7**
Delaware	0	235	0	260	0	0	0
Florida	0	2	0	0	0	0	94
Georgia	0	9	0	0	0	0	18
Maryland	0	28	0	0	0	0	0
North Carolina	0	14	0	1	0	0	9
South Carolina	0	5	0	1	0	0	16
Virginia	0	2	0	0	0	0	18
West Virginia	0	0	0	0	0	0	70
East South Central	**1**	**3**	**0**	**2**	**0**	**0**	**5**
Alabama	0	0	0	6	0	0	7
Kentucky	1	5	0	1	0	0	10
Mississippi	0	46	0	3	0	0	0
Tennessee	0	1	0	0	0	0	8
West South Central	**0**	**4**	**0**	**2**	**0**	**0**	**11**
Arkansas	0	0	0	11	0	0	11
Louisiana	0	1	0	3	0	0	0
Oklahoma	0	4	0	2	0	0	40
Texas	0	9	0	2	0	0	54
Mountain	**1**	**5**	**0**	**1**	**0**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	95	0	2	0	0	22
Idaho	0	8,849	0	6	0	0	9
Montana	126	83	0	44	0	0	5
Nevada	0	1	0	0	0	0	2
New Mexico	0	11	0	8	0	0	110
Utah	0	2	0	3	0	0	44
Wyoming	2	4	0	236	0	0	21
Pacific Contiguous	**0**	**6**	**0**	**2**	**0**	**0**	**1**
California	0	3	0	3	0	0	6
Oregon	0	17	0	3	0	0	2
Washington	0	222	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**15**	**0**	**0**	**15**
Alaska	0	2	0	15	0	0	15
Hawaii	0	1	0	0	0	0	227
U.S. Total	**0**	**1**	**0**	**0**	**40**	**0**	**1**

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

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

Electric Utilities by Census Division and State, Year-to-Date through October 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**	**63**	**3**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	164
Maine	0	0	0	0	0	0	0	144
Massachusetts	0	0	0	63	41	0	0	35
New Hampshire	0	0	0	0	0	0	0	11
Rhode Island	0	0	0	0	0	0	0	18
Vermont	0	0	0	0	0	0	0	25
Middle Atlantic	**0**	**0**	**0**	**28**	**5**	**0**	**0**	**2**
New Jersey	0	0	0	28	28	0	0	42
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	147
East North Central	**0**	**0**	**0**	**44**	**1**	**0**	**25**	**1**
Illinois	0	0	0	348	98	0	0	2
Indiana	0	0	0	55	17	0	0	0
Michigan	0	0	0	0	1	0	83	1
Ohio	0	0	0	74	55	0	0	1
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	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	4	0	0	2
Missouri	0	0	0	0	43	0	0	0
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**9**	**3**	**0**	**0**	**0**
Delaware	0	0	0	91	91	0	0	215
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	81	81	0	0	1
Maryland	0	0	0	78	78	0	0	37
North Carolina	0	0	0	90	90	0	0	1
South Carolina	0	0	0	0	7	0	0	1
Virginia	0	0	0	0	1	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**34**	**0**	**0**	**1**
Alabama	0	0	0	0	813	0	0	1
Kentucky	0	0	0	0	32	0	0	1
Mississippi	0	0	0	0	0	0	0	2
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	2
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**8**	**2**	**0**	**147**	**0**
Arizona	0	0	0	8	8	0	0	0
Colorado	0	0	0	0	7	0	0	1
Idaho	0	0	0	0	6	0	0	7
Montana	0	0	0	0	0	0	0	8
Nevada	0	0	0	0	0	0	144	0
New Mexico	0	0	0	21	21	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**3**	**0**	**11**	**1**	**0**	**0**	**1**
California	0	0	0	11	3	0	0	2
Oregon	0	191	0	90	4	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**39**	**21**	**0**	**0**	**4**
Alaska	0	0	0	0	37	0	0	8
Hawaii	0	0	0	39	18	0	0	2
U.S. Total	**0**	**3**	**0**	**6**	**0**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, October 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**20**	**0**	**1**	**0**	**0**	**16**
Connecticut	0	42	0	1	0	0	68
Maine	0	4	0	1	0	0	20
Massachusetts	0	58	0	2	0	0	48
New Hampshire	0	196	0	0	0	0	33
Rhode Island	0	0	0	1	0	0	665
Vermont	0	0	0	0	0	0	49
Middle Atlantic	**3**	**15**	**0**	**1**	**0**	**0**	**16**
New Jersey	0	32	0	2	0	0	282
New York	4	59	0	2	0	0	20
Pennsylvania	3	16	0	1	0	0	22
East North Central	**0**	**3**	**0**	**1**	**45**	**0**	**57**
Illinois	0	0	0	2	0	0	117
Indiana	0	6,104	0	6	0	0	0
Michigan	4	18,654	0	3	0	0	106
Ohio	0	1	0	1	45	0	88
Wisconsin	0	571	0	1	0	0	110
West North Central	**92**	**408**	**0**	**18**	**0**	**0**	**75**
Iowa	0	67	0	8,820	0	0	432
Kansas	0	0	0	0	0	0	322
Minnesota	0	484	0	47	0	0	76
Missouri	92	0	0	12	0	0	0
South Dakota	0	247	0	0	0	0	0
South Atlantic	**3**	**12**	**0**	**1**	**0**	**0**	**12**
Delaware	0	201	0	5	0	0	0
Florida	0	632	0	4	0	0	0
Georgia	0	925	0	1	0	0	397
Maryland	0	14	0	5	0	0	5
North Carolina	50	178	0	0	0	0	178
South Carolina	0	546	0	11	0	0	158
Virginia	39	6	0	3	0	0	170
West Virginia	1	0	0	0	0	0	9
East South Central	**0**	**46**	**0**	**0**	**0**	**0**	**491**
Alabama	0	72	0	0	0	0	0
Kentucky	0	0	0	0	0	0	491
Mississippi	0	0	0	0	0	0	0
Tennessee	0	60	0	586	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**17**
Arkansas	0	0	0	0	0	0	294
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	235
Mountain	**5**	**24**	**0**	**2**	**0**	**0**	**34**
Arizona	0	0	0	1	0	0	0
Colorado	144	0	0	11	0	0	82
Idaho	0	0	0	5	0	0	43
Montana	4	20	0	150	0	0	88
Nevada	0	0	0	18	0	0	181
New Mexico	0	0	0	6	0	0	0
Utah	118	644	0	64	0	0	410
Wyoming	78	0	0	468	0	0	360
Pacific Contiguous	**1**	**21**	**531**	**2**	**0**	**0**	**30**
California	159	23	531	2	0	0	42
Oregon	0	0	0	1	0	0	56
Washington	0	20	0	0	0	0	64
Pacific Noncontiguous	**4**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	35	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**1**	**3**	**2**	**0**	**10**	**0**	**9**

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

Independent Power Producers by Census Division and State, October 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**	**10**	**5**	**0**	**5**	**1**
Connecticut	0	0	0	59	5	0	8	1
Maine	0	0	0	0	1	0	21	5
Massachusetts	0	0	0	11	8	0	6	2
New Hampshire	0	0	0	0	21	0	43	5
Rhode Island	0	0	0	68	8	0	0	1
Vermont	0	0	0	34	40	0	0	36
Middle Atlantic	**0**	**0**	**0**	**10**	**2**	**0**	**5**	**1**
New Jersey	0	0	0	12	7	0	10	1
New York	0	0	0	18	2	0	6	1
Pennsylvania	0	0	0	32	2	0	10	1
East North Central	**0**	**0**	**0**	**15**	**1**	**0**	**19**	**0**
Illinois	0	0	0	32	1	0	0	0
Indiana	0	0	0	19	1	0	0	1
Michigan	0	0	0	0	5	0	19	2
Ohio	0	0	0	35	4	0	0	0
Wisconsin	0	0	0	202	15	0	0	3
West North Central	**0**	**0**	**0**	**52**	**1**	**0**	**28**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	191	0	0	0	1
Minnesota	0	0	0	139	3	0	28	3
Missouri	0	0	0	59	2	0	0	4
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**6**	**4**	**0**	**6**	**1**
Delaware	0	0	0	35	27	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	29	7	0	6	3
Georgia	0	0	0	16	21	0	0	1
Maryland	0	0	0	19	3	0	0	1
North Carolina	0	0	0	7	6	0	31	7
South Carolina	0	0	0	105	57	0	230	16
Virginia	0	0	0	0	6	0	0	5
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**28**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	6	0	0	0
Kentucky	0	0	0	0	129	0	0	3
Mississippi	0	0	0	0	85	0	0	0
Tennessee	0	0	0	28	17	0	0	25
West South Central	**0**	**0**	**0**	**7**	**0**	**0**	**149**	**0**
Arkansas	0	0	0	0	25	0	0	1
Louisiana	0	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	7	0	0	149	0
Mountain	**0**	**8**	**0**	**2**	**1**	**0**	**3**	**2**
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	11	1	0	0	3
Idaho	0	64	0	0	6	0	0	5
Montana	0	0	0	0	3	0	0	3
Nevada	0	8	0	2	5	0	0	5
New Mexico	0	166	0	9	3	0	0	4
Utah	0	25	0	39	10	0	322	34
Wyoming	0	0	0	0	3	0	0	22
Pacific Contiguous	**0**	**5**	**0**	**1**	**2**	**0**	**15**	**1**
California	0	5	0	1	2	0	16	1
Oregon	0	0	0	52	3	0	46	2
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**42**	**6**	**0**	**0**	**2**
Alaska	0	0	0	0	53	0	0	30
Hawaii	0	0	0	42	5	0	0	1
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**3**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**20**	**0**	**1**	**0**	**0**	**16**
Connecticut	0	42	0	1	0	0	68
Maine	0	4	0	1	0	0	20
Massachusetts	0	58	0	2	0	0	48
New Hampshire	0	196	0	0	0	0	33
Rhode Island	0	0	0	1	0	0	665
Vermont	0	0	0	0	0	0	49
Middle Atlantic	**3**	**15**	**0**	**1**	**0**	**0**	**16**
New Jersey	0	32	0	2	0	0	282
New York	4	59	0	2	0	0	20
Pennsylvania	3	16	0	1	0	0	22
East North Central	**0**	**3**	**0**	**1**	**45**	**0**	**57**
Illinois	0	0	0	2	0	0	117
Indiana	0	6,104	0	6	0	0	0
Michigan	4	18,654	0	3	0	0	106
Ohio	0	1	0	1	45	0	88
Wisconsin	0	571	0	1	0	0	110
West North Central	**92**	**408**	**0**	**18**	**0**	**0**	**75**
Iowa	0	67	0	8,820	0	0	432
Kansas	0	0	0	0	0	0	322
Minnesota	0	484	0	47	0	0	76
Missouri	92	0	0	12	0	0	0
South Dakota	0	247	0	0	0	0	0
South Atlantic	**3**	**12**	**0**	**1**	**0**	**0**	**12**
Delaware	0	201	0	5	0	0	0
Florida	0	632	0	4	0	0	0
Georgia	0	925	0	1	0	0	397
Maryland	0	14	0	5	0	0	5
North Carolina	50	178	0	0	0	0	178
South Carolina	0	546	0	11	0	0	158
Virginia	39	6	0	3	0	0	170
West Virginia	1	0	0	0	0	0	9
East South Central	**0**	**46**	**0**	**0**	**0**	**0**	**491**
Alabama	0	72	0	0	0	0	0
Kentucky	0	0	0	0	0	0	491
Mississippi	0	0	0	0	0	0	0
Tennessee	0	60	0	586	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**17**
Arkansas	0	0	0	0	0	0	294
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	235
Mountain	**5**	**24**	**0**	**2**	**0**	**0**	**34**
Arizona	0	0	0	1	0	0	0
Colorado	144	0	0	11	0	0	82
Idaho	0	0	0	5	0	0	43
Montana	4	20	0	150	0	0	88
Nevada	0	0	0	18	0	0	181
New Mexico	0	0	0	6	0	0	0
Utah	118	644	0	64	0	0	410
Wyoming	78	0	0	468	0	0	360
Pacific Contiguous	**1**	**21**	**531**	**2**	**0**	**0**	**30**
California	159	23	531	2	0	0	42
Oregon	0	0	0	1	0	0	56
Washington	0	20	0	0	0	0	64
Pacific Noncontiguous	**4**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	35	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**1**	**3**	**2**	**0**	**10**	**0**	**9**

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 October 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**	**10**	**5**	**0**	**5**	**1**
Connecticut	0	0	0	59	5	0	8	1
Maine	0	0	0	0	1	0	21	5
Massachusetts	0	0	0	11	8	0	6	2
New Hampshire	0	0	0	0	21	0	43	5
Rhode Island	0	0	0	68	8	0	0	1
Vermont	0	0	0	34	40	0	0	36
Middle Atlantic	**0**	**0**	**0**	**10**	**2**	**0**	**5**	**1**
New Jersey	0	0	0	12	7	0	10	1
New York	0	0	0	18	2	0	6	1
Pennsylvania	0	0	0	32	2	0	10	1
East North Central	**0**	**0**	**0**	**15**	**1**	**0**	**19**	**0**
Illinois	0	0	0	32	1	0	0	0
Indiana	0	0	0	19	1	0	0	1
Michigan	0	0	0	0	5	0	19	2
Ohio	0	0	0	35	4	0	0	0
Wisconsin	0	0	0	202	15	0	0	3
West North Central	**0**	**0**	**0**	**52**	**1**	**0**	**28**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	191	0	0	0	1
Minnesota	0	0	0	139	3	0	28	3
Missouri	0	0	0	59	2	0	0	4
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**6**	**4**	**0**	**6**	**1**
Delaware	0	0	0	35	27	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	29	7	0	6	3
Georgia	0	0	0	16	21	0	0	1
Maryland	0	0	0	19	3	0	0	1
North Carolina	0	0	0	7	6	0	31	7
South Carolina	0	0	0	105	57	0	230	16
Virginia	0	0	0	0	6	0	0	5
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**28**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	6	0	0	0
Kentucky	0	0	0	0	129	0	0	3
Mississippi	0	0	0	0	85	0	0	0
Tennessee	0	0	0	28	17	0	0	25
West South Central	**0**	**0**	**0**	**7**	**0**	**0**	**149**	**0**
Arkansas	0	0	0	0	25	0	0	1
Louisiana	0	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	7	0	0	149	0
Mountain	**0**	**8**	**0**	**2**	**1**	**0**	**3**	**2**
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	11	1	0	0	3
Idaho	0	64	0	0	6	0	0	5
Montana	0	0	0	0	3	0	0	3
Nevada	0	8	0	2	5	0	0	5
New Mexico	0	166	0	9	3	0	0	4
Utah	0	25	0	39	10	0	322	34
Wyoming	0	0	0	0	3	0	0	22
Pacific Contiguous	**0**	**5**	**0**	**1**	**2**	**0**	**15**	**1**
California	0	5	0	1	2	0	16	1
Oregon	0	0	0	52	3	0	46	2
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	**0**	**0**	**0**	**42**	**6**	**0**	**0**	**2**
Alaska	0	0	0	0	53	0	0	30
Hawaii	0	0	0	42	5	0	0	1
U.S. Total	**0**	**5**	**0**	**1**	**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, October 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**70**	**0**	**26**	**0**	**0**	**586**
Connecticut	0	188	0	47	0	0	0
Maine	0	680	0	186	0	0	0
Massachusetts	0	78	0	26	0	0	586
New Hampshire	0	256	0	237	0	0	0
Rhode Island	0	266	0	147	0	0	0
Vermont	0	1,235	0	0	0	0	0
Middle Atlantic	**0**	**59**	**0**	**23**	**0**	**0**	**759**
New Jersey	0	374	0	69	0	0	0
New York	0	67	0	23	0	0	759
Pennsylvania	0	77	0	81	0	0	0
East North Central	**26**	**83**	**0**	**21**	**0**	**0**	**782**
Illinois	133	205	0	21	0	0	782
Indiana	105	916	0	37	0	0	0
Michigan	0	35	0	38	0	0	0
Ohio	0	153	0	101	0	0	0
Wisconsin	369	283	0	95	0	0	0
West North Central	**23**	**135**	**0**	**60**	**0**	**0**	**0**
Iowa	48	213	0	140	0	0	0
Minnesota	0	145	0	101	0	0	0
Missouri	0	158	0	0	0	0	0
Nebraska	0	0	0	1,232	0	0	0
North Dakota	0	189	0	0	0	0	0
South Dakota	0	395	0	0	0	0	0
South Atlantic	**76**	**105**	**0**	**42**	**0**	**0**	**245**
District of Columbia	0	0	0	114	0	0	0
Florida	0	0	0	173	0	0	0
Georgia	0	37	0	0	0	0	0
Maryland	0	858	0	49	0	0	0
North Carolina	0	170	0	0	0	0	235
South Carolina	0	588	0	505	0	0	789
Virginia	287	223	0	348	0	0	0
East South Central	**0**	**312**	**0**	**77**	**0**	**0**	**0**
Mississippi	0	0	0	182	0	0	0
Tennessee	0	312	0	85	0	0	0
West South Central	**0**	**790**	**0**	**23**	**0**	**0**	**0**
Arkansas	0	0	0	474	0	0	0
Louisiana	0	0	0	60	0	0	0
Oklahoma	0	41,062	0	608	0	0	0
Texas	0	590	0	24	0	0	0
Mountain	**0**	**371**	**0**	**49**	**0**	**0**	**436**
Arizona	0	371	0	81	0	0	0
Colorado	0	0	0	0	0	0	436
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	125	0	0	0
New Mexico	0	0	0	93	0	0	0
Utah	0	0	0	106	0	0	0
Pacific Contiguous	**0**	**269**	**0**	**24**	**0**	**0**	**588**
California	0	216	0	25	0	0	588
Oregon	0	5,283	0	131	0	0	0
Washington	0	609	0	312	0	0	0
Pacific Noncontiguous	**25**	**112**	**0**	**664**	**0**	**0**	**0**
Alaska	25	196	0	664	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**18**	**39**	**0**	**10**	**0**	**0**	**190**

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, October 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**	**103**	**20**	**0**	**66**	**20**
Connecticut	0	0	0	0	0	0	0	47
Maine	0	0	0	0	22	0	66	36
Massachusetts	0	0	0	103	67	0	0	24
New Hampshire	0	0	0	0	34	0	0	70
Rhode Island	0	0	0	0	130	0	0	116
Vermont	0	0	0	0	257	0	0	262
Middle Atlantic	**0**	**0**	**0**	**20**	**7**	**0**	**21**	**12**
New Jersey	0	0	0	21	10	0	0	20
New York	0	0	0	174	14	0	43	16
Pennsylvania	0	0	0	107	11	0	0	30
East North Central	**0**	**0**	**0**	**130**	**8**	**0**	**22**	**15**
Illinois	0	0	0	0	192	0	0	21
Indiana	0	0	0	0	49	0	146	32
Michigan	0	0	0	0	7	0	20	21
Ohio	0	0	0	130	130	0	0	98
Wisconsin	0	0	0	0	32	0	0	74
West North Central	**0**	**0**	**0**	**191**	**20**	**0**	**102**	**28**
Iowa	0	0	0	0	42	0	0	56
Minnesota	0	0	0	0	47	0	102	65
Missouri	0	0	0	191	9	0	0	2
Nebraska	0	0	0	0	50	0	0	54
North Dakota	0	0	0	0	0	0	0	189
South Dakota	0	0	0	0	0	0	0	395
South Atlantic	**0**	**0**	**0**	**25**	**9**	**0**	**24**	**17**
Delaware	0	0	0	170	133	0	0	133
District of Columbia	0	0	0	0	0	0	0	114
Florida	0	0	0	174	36	0	0	86
Georgia	0	0	0	133	41	0	0	38
Maryland	0	0	0	116	58	0	511	45
North Carolina	0	0	0	26	18	0	0	16
South Carolina	0	0	0	0	0	0	0	425
Virginia	0	0	0	0	8	0	23	16
East South Central	**0**	**0**	**0**	**135**	**135**	**0**	**0**	**76**
Mississippi	0	0	0	0	0	0	0	182
Tennessee	0	0	0	135	135	0	0	83
West South Central	**0**	**0**	**0**	**151**	**47**	**0**	**0**	**21**
Arkansas	0	0	0	0	96	0	0	192
Louisiana	0	0	0	0	0	0	0	60
Oklahoma	0	0	0	0	0	0	0	609
Texas	0	0	0	151	50	0	0	22
Mountain	**0**	**0**	**0**	**23**	**23**	**0**	**0**	**37**
Arizona	0	0	0	48	48	0	0	70
Colorado	0	0	0	63	63	0	0	104
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	29	29	0	0	54
New Mexico	0	0	0	0	229	0	0	91
Utah	0	0	0	0	0	0	0	106
Pacific Contiguous	**0**	**0**	**0**	**22**	**6**	**0**	**0**	**15**
California	0	0	0	22	6	0	0	15
Oregon	0	0	0	0	44	0	0	105
Washington	0	0	0	0	48	0	0	144
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**6**	**0**	**0**	**7**
Alaska	0	0	0	0	28	0	0	21
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**4**	**0**	**12**	**6**

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**70**	**0**	**26**	**0**	**0**	**586**
Connecticut	0	188	0	47	0	0	0
Maine	0	680	0	186	0	0	0
Massachusetts	0	78	0	26	0	0	586
New Hampshire	0	256	0	237	0	0	0
Rhode Island	0	266	0	147	0	0	0
Vermont	0	1,235	0	0	0	0	0
Middle Atlantic	**0**	**59**	**0**	**23**	**0**	**0**	**759**
New Jersey	0	374	0	69	0	0	0
New York	0	67	0	23	0	0	759
Pennsylvania	0	77	0	81	0	0	0
East North Central	**26**	**83**	**0**	**21**	**0**	**0**	**782**
Illinois	133	205	0	21	0	0	782
Indiana	105	916	0	37	0	0	0
Michigan	0	35	0	38	0	0	0
Ohio	0	153	0	101	0	0	0
Wisconsin	369	283	0	95	0	0	0
West North Central	**23**	**135**	**0**	**60**	**0**	**0**	**0**
Iowa	48	213	0	140	0	0	0
Minnesota	0	145	0	101	0	0	0
Missouri	0	158	0	0	0	0	0
Nebraska	0	0	0	1,232	0	0	0
North Dakota	0	189	0	0	0	0	0
South Dakota	0	395	0	0	0	0	0
South Atlantic	**76**	**105**	**0**	**42**	**0**	**0**	**245**
District of Columbia	0	0	0	114	0	0	0
Florida	0	0	0	173	0	0	0
Georgia	0	37	0	0	0	0	0
Maryland	0	858	0	49	0	0	0
North Carolina	0	170	0	0	0	0	235
South Carolina	0	588	0	505	0	0	789
Virginia	287	223	0	348	0	0	0
East South Central	**0**	**312**	**0**	**77**	**0**	**0**	**0**
Mississippi	0	0	0	182	0	0	0
Tennessee	0	312	0	85	0	0	0
West South Central	**0**	**790**	**0**	**23**	**0**	**0**	**0**
Arkansas	0	0	0	474	0	0	0
Louisiana	0	0	0	60	0	0	0
Oklahoma	0	41,062	0	608	0	0	0
Texas	0	590	0	24	0	0	0
Mountain	**0**	**371**	**0**	**49**	**0**	**0**	**436**
Arizona	0	371	0	81	0	0	0
Colorado	0	0	0	0	0	0	436
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	125	0	0	0
New Mexico	0	0	0	93	0	0	0
Utah	0	0	0	106	0	0	0
Pacific Contiguous	**0**	**269**	**0**	**24**	**0**	**0**	**588**
California	0	216	0	25	0	0	588
Oregon	0	5,283	0	131	0	0	0
Washington	0	609	0	312	0	0	0
Pacific Noncontiguous	**25**	**112**	**0**	**664**	**0**	**0**	**0**
Alaska	25	196	0	664	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**18**	**39**	**0**	**10**	**0**	**0**	**190**

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 October 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**	**103**	**20**	**0**	**66**	**20**
Connecticut	0	0	0	0	0	0	0	47
Maine	0	0	0	0	22	0	66	36
Massachusetts	0	0	0	103	67	0	0	24
New Hampshire	0	0	0	0	34	0	0	70
Rhode Island	0	0	0	0	130	0	0	116
Vermont	0	0	0	0	257	0	0	262
Middle Atlantic	**0**	**0**	**0**	**20**	**7**	**0**	**21**	**12**
New Jersey	0	0	0	21	10	0	0	20
New York	0	0	0	174	14	0	43	16
Pennsylvania	0	0	0	107	11	0	0	30
East North Central	**0**	**0**	**0**	**130**	**8**	**0**	**22**	**15**
Illinois	0	0	0	0	192	0	0	21
Indiana	0	0	0	0	49	0	146	32
Michigan	0	0	0	0	7	0	20	21
Ohio	0	0	0	130	130	0	0	98
Wisconsin	0	0	0	0	32	0	0	74
West North Central	**0**	**0**	**0**	**191**	**20**	**0**	**102**	**28**
Iowa	0	0	0	0	42	0	0	56
Minnesota	0	0	0	0	47	0	102	65
Missouri	0	0	0	191	9	0	0	2
Nebraska	0	0	0	0	50	0	0	54
North Dakota	0	0	0	0	0	0	0	189
South Dakota	0	0	0	0	0	0	0	395
South Atlantic	**0**	**0**	**0**	**25**	**9**	**0**	**24**	**17**
Delaware	0	0	0	170	133	0	0	133
District of Columbia	0	0	0	0	0	0	0	114
Florida	0	0	0	174	36	0	0	86
Georgia	0	0	0	133	41	0	0	38
Maryland	0	0	0	116	58	0	511	45
North Carolina	0	0	0	26	18	0	0	16
South Carolina	0	0	0	0	0	0	0	425
Virginia	0	0	0	0	8	0	23	16
East South Central	**0**	**0**	**0**	**135**	**135**	**0**	**0**	**76**
Mississippi	0	0	0	0	0	0	0	182
Tennessee	0	0	0	135	135	0	0	83
West South Central	**0**	**0**	**0**	**151**	**47**	**0**	**0**	**21**
Arkansas	0	0	0	0	96	0	0	192
Louisiana	0	0	0	0	0	0	0	60
Oklahoma	0	0	0	0	0	0	0	609
Texas	0	0	0	151	50	0	0	22
Mountain	**0**	**0**	**0**	**23**	**23**	**0**	**0**	**37**
Arizona	0	0	0	48	48	0	0	70
Colorado	0	0	0	63	63	0	0	104
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	29	29	0	0	54
New Mexico	0	0	0	0	229	0	0	91
Utah	0	0	0	0	0	0	0	106
Pacific Contiguous	**0**	**0**	**0**	**22**	**6**	**0**	**0**	**15**
California	0	0	0	22	6	0	0	15
Oregon	0	0	0	0	44	0	0	105
Washington	0	0	0	0	48	0	0	144
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**6**	**0**	**0**	**7**
Alaska	0	0	0	0	28	0	0	21
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**4**	**0**	**12**	**6**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**60**	**72**	**0**	**27**	**0**	**0**	**39**
Connecticut	0	367	0	44	0	0	0
Maine	0	35	0	35	0	0	39
Massachusetts	98	1,304	0	86	0	0	560
New Hampshire	0	236	0	170	0	0	0
Middle Atlantic	**12**	**12**	**73**	**21**	**28**	**0**	**166**
New Jersey	0	822	246	47	92	0	0
New York	0	5	0	50	0	0	166
Pennsylvania	21	76	74	26	23	0	0
East North Central	**5**	**29**	**76**	**21**	**17**	**0**	**80**
Illinois	6	1,472	0	46	65	0	0
Indiana	125	5	0	27	14	0	0
Michigan	49	325	83	46	0	0	205
Ohio	11	84	0	134	87	0	0
Wisconsin	8	220	0	58	0	0	87
West North Central	**8**	**337**	**129**	**73**	**152**	**0**	**39**
Iowa	8	229	129	141	0	0	0
Kansas	0	0	0	122	0	0	0
Minnesota	19	371	0	125	0	0	39
Missouri	70	0	0	547	0	0	0
Nebraska	26	0	0	0	0	0	0
North Dakota	55	1,020	0	219	152	0	0
South Atlantic	**23**	**28**	**0**	**8**	**0**	**0**	**22**
Delaware	0	0	0	0	0	0	0
Florida	89	182	0	14	0	0	0
Georgia	70	70	0	11	0	0	290
Maryland	0	120	0	129	0	0	0
North Carolina	81	205	0	82	0	0	759
South Carolina	17	0	0	71	0	0	0
Virginia	42	22	0	25	0	0	402
West Virginia	0	0	0	0	0	0	14
East South Central	**14**	**125**	**0**	**13**	**82**	**0**	**0**
Alabama	119	148	0	15	111	0	0
Kentucky	0	0	0	61	0	0	0
Mississippi	0	0	0	27	0	0	0
Tennessee	0	164	0	24	0	0	0
West South Central	**59**	**65**	**58**	**2**	**6**	**0**	**0**
Arkansas	0	0	0	18	0	0	0
Louisiana	0	0	79	2	4	0	0
Oklahoma	67	1,241	0	65	0	0	0
Texas	0	483	45	2	14	0	0
Mountain	**12**	**132**	**0**	**22**	**9**	**0**	**0**
Colorado	493	395	0	192	0	0	0
Idaho	59	0	0	103	0	0	0
Montana	193	0	0	0	0	0	0
Nevada	0	0	0	50	0	0	0
New Mexico	0	182	0	93	0	0	0
Utah	0	361	0	43	0	0	0
Wyoming	24	142	0	21	9	0	0
Pacific Contiguous	**0**	**101**	**0**	**9**	**7**	**0**	**0**
California	0	262	0	9	7	0	0
Oregon	0	0	0	79	0	0	0
Washington	0	110	0	0	0	0	0
Pacific Noncontiguous	**213**	**15**	**0**	**135**	**90**	**0**	**152**
Alaska	0	9	0	135	0	0	0
Hawaii	213	20	0	0	90	0	152
U.S. Total	**6**	**12**	**34**	**2**	**6**	**0**	**22**

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, October 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**	**3**	**0**	**53**	**13**
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	2	0	53	12
Massachusetts	0	0	0	0	202	0	0	71
New Hampshire	0	0	0	0	0	0	0	170
Middle Atlantic	**0**	**0**	**0**	**74**	**9**	**0**	**0**	**11**
New Jersey	0	0	0	210	210	0	0	42
New York	0	0	0	0	3	0	0	18
Pennsylvania	0	0	0	78	12	0	0	13
East North Central	**0**	**0**	**0**	**156**	**7**	**0**	**13**	**6**
Illinois	0	0	0	0	0	0	39	10
Indiana	0	0	0	0	26	0	0	10
Michigan	0	0	0	0	12	0	0	19
Ohio	0	0	0	156	11	0	0	22
Wisconsin	0	0	0	0	13	0	75	11
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**79**	**8**
Iowa	0	0	0	0	22	0	0	10
Kansas	0	0	0	0	109	0	303	111
Minnesota	0	0	0	0	8	0	82	12
Missouri	0	0	0	0	106	0	0	100
Nebraska	0	0	0	0	0	0	0	26
North Dakota	0	0	0	0	76	0	0	59
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**8**	**3**
Delaware	0	0	0	0	52	0	0	1
Florida	0	0	0	0	6	0	8	7
Georgia	0	0	0	0	3	0	0	4
Maryland	0	0	0	0	0	0	0	29
North Carolina	0	0	0	0	10	0	0	17
South Carolina	0	0	0	0	1	0	0	2
Virginia	0	0	0	0	4	0	0	10
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**52**	**4**
Alabama	0	0	0	0	6	0	0	7
Kentucky	0	0	0	0	4	0	0	32
Mississippi	0	0	0	0	4	0	260	7
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**13**	**2**
Arkansas	0	0	0	0	3	0	0	4
Louisiana	0	0	0	0	6	0	17	2
Oklahoma	0	0	0	0	22	0	130	35
Texas	0	0	0	0	10	0	15	2
Mountain	**0**	**0**	**0**	**146**	**4**	**0**	**16**	**10**
Colorado	0	0	0	0	231	0	102	97
Idaho	0	0	0	0	2	0	0	11
Montana	0	0	0	0	119	0	0	102
Nevada	0	0	0	146	146	0	0	50
New Mexico	0	0	0	0	0	0	0	93
Utah	0	0	0	0	0	0	0	16
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**107**	**6**	**0**	**19**	**6**
California	0	0	0	107	15	0	19	7
Oregon	0	0	0	0	12	0	0	16
Washington	0	0	0	0	7	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**20**	**0**	**0**	**33**
Alaska	0	0	0	0	75	0	0	82
Hawaii	0	0	0	0	20	0	0	34
U.S. Total	**0**	**0**	**0**	**53**	**2**	**0**	**7**	**2**

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**60**	**72**	**0**	**27**	**0**	**0**	**39**
Connecticut	0	367	0	44	0	0	0
Maine	0	35	0	35	0	0	39
Massachusetts	98	1,304	0	86	0	0	560
New Hampshire	0	236	0	170	0	0	0
Middle Atlantic	**12**	**12**	**73**	**21**	**28**	**0**	**166**
New Jersey	0	822	246	47	92	0	0
New York	0	5	0	50	0	0	166
Pennsylvania	21	76	74	26	23	0	0
East North Central	**5**	**29**	**76**	**21**	**17**	**0**	**80**
Illinois	6	1,472	0	46	65	0	0
Indiana	125	5	0	27	14	0	0
Michigan	49	325	83	46	0	0	205
Ohio	11	84	0	134	87	0	0
Wisconsin	8	220	0	58	0	0	87
West North Central	**8**	**337**	**129**	**73**	**152**	**0**	**39**
Iowa	8	229	129	141	0	0	0
Kansas	0	0	0	122	0	0	0
Minnesota	19	371	0	125	0	0	39
Missouri	70	0	0	547	0	0	0
Nebraska	26	0	0	0	0	0	0
North Dakota	55	1,020	0	219	152	0	0
South Atlantic	**23**	**28**	**0**	**8**	**0**	**0**	**22**
Delaware	0	0	0	0	0	0	0
Florida	89	182	0	14	0	0	0
Georgia	70	70	0	11	0	0	290
Maryland	0	120	0	129	0	0	0
North Carolina	81	205	0	82	0	0	759
South Carolina	17	0	0	71	0	0	0
Virginia	42	22	0	25	0	0	402
West Virginia	0	0	0	0	0	0	14
East South Central	**14**	**125**	**0**	**13**	**82**	**0**	**0**
Alabama	119	148	0	15	111	0	0
Kentucky	0	0	0	61	0	0	0
Mississippi	0	0	0	27	0	0	0
Tennessee	0	164	0	24	0	0	0
West South Central	**59**	**65**	**58**	**2**	**6**	**0**	**0**
Arkansas	0	0	0	18	0	0	0
Louisiana	0	0	79	2	4	0	0
Oklahoma	67	1,241	0	65	0	0	0
Texas	0	483	45	2	14	0	0
Mountain	**12**	**132**	**0**	**22**	**9**	**0**	**0**
Colorado	493	395	0	192	0	0	0
Idaho	59	0	0	103	0	0	0
Montana	193	0	0	0	0	0	0
Nevada	0	0	0	50	0	0	0
New Mexico	0	182	0	93	0	0	0
Utah	0	361	0	43	0	0	0
Wyoming	24	142	0	21	9	0	0
Pacific Contiguous	**0**	**101**	**0**	**9**	**7**	**0**	**0**
California	0	262	0	9	7	0	0
Oregon	0	0	0	79	0	0	0
Washington	0	110	0	0	0	0	0
Pacific Noncontiguous	**213**	**15**	**0**	**135**	**90**	**0**	**152**
Alaska	0	9	0	135	0	0	0
Hawaii	213	20	0	0	90	0	152
U.S. Total	**6**	**12**	**34**	**2**	**6**	**0**	**22**

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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 October 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**	**3**	**0**	**53**	**13**
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	2	0	53	12
Massachusetts	0	0	0	0	202	0	0	71
New Hampshire	0	0	0	0	0	0	0	170
Middle Atlantic	**0**	**0**	**0**	**74**	**9**	**0**	**0**	**11**
New Jersey	0	0	0	210	210	0	0	42
New York	0	0	0	0	3	0	0	18
Pennsylvania	0	0	0	78	12	0	0	13
East North Central	**0**	**0**	**0**	**156**	**7**	**0**	**13**	**6**
Illinois	0	0	0	0	0	0	39	10
Indiana	0	0	0	0	26	0	0	10
Michigan	0	0	0	0	12	0	0	19
Ohio	0	0	0	156	11	0	0	22
Wisconsin	0	0	0	0	13	0	75	11
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**79**	**8**
Iowa	0	0	0	0	22	0	0	10
Kansas	0	0	0	0	109	0	303	111
Minnesota	0	0	0	0	8	0	82	12
Missouri	0	0	0	0	106	0	0	100
Nebraska	0	0	0	0	0	0	0	26
North Dakota	0	0	0	0	76	0	0	59
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**8**	**3**
Delaware	0	0	0	0	52	0	0	1
Florida	0	0	0	0	6	0	8	7
Georgia	0	0	0	0	3	0	0	4
Maryland	0	0	0	0	0	0	0	29
North Carolina	0	0	0	0	10	0	0	17
South Carolina	0	0	0	0	1	0	0	2
Virginia	0	0	0	0	4	0	0	10
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**52**	**4**
Alabama	0	0	0	0	6	0	0	7
Kentucky	0	0	0	0	4	0	0	32
Mississippi	0	0	0	0	4	0	260	7
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**13**	**2**
Arkansas	0	0	0	0	3	0	0	4
Louisiana	0	0	0	0	6	0	17	2
Oklahoma	0	0	0	0	22	0	130	35
Texas	0	0	0	0	10	0	15	2
Mountain	**0**	**0**	**0**	**146**	**4**	**0**	**16**	**10**
Colorado	0	0	0	0	231	0	102	97
Idaho	0	0	0	0	2	0	0	11
Montana	0	0	0	0	119	0	0	102
Nevada	0	0	0	146	146	0	0	50
New Mexico	0	0	0	0	0	0	0	93
Utah	0	0	0	0	0	0	0	16
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**107**	**6**	**0**	**19**	**6**
California	0	0	0	107	15	0	19	7
Oregon	0	0	0	0	12	0	0	16
Washington	0	0	0	0	7	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**20**	**0**	**0**	**33**
Alaska	0	0	0	0	75	0	0	82
Hawaii	0	0	0	0	20	0	0	34
U.S. Total	**0**	**0**	**0**	**53**	**2**	**0**	**7**	**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 Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, October 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**3**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	0	1	1	0	0
Massachusetts	1	1	7	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	2	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**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	0	2	2	0	1
Ohio	1	1	2	0	1
Wisconsin	1	3	4	0	2
West North Central	**1**	**2**	**2**	**0**	**1**
Iowa	1	7	4	0	3
Kansas	3	1	4	0	1
Minnesota	1	4	5	0	2
Missouri	1	1	5	0	1
Nebraska	1	7	7	0	3
North Dakota	1	4	7	0	3
South Dakota	2	9	9	0	4
South Atlantic	**1**	**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	2	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	2	1	2	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	1	2	3	0	2
Mississippi	3	1	2	0	1
Tennessee	1	2	4	0	1
West South Central	**1**	**0**	**1**	**0**	**0**
Arkansas	2	1	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	3	1	3	0	1
Texas	1	0	1	0	0
Mountain	**1**	**2**	**1**	**0**	**1**
Arizona	1	3	2	0	1
Colorado	3	5	5	0	3
Idaho	1	4	3	0	2
Montana	2	7	6	0	3
Nevada	1	3	1	0	1
New Mexico	4	8	6	0	4
Utah	3	6	2	0	2
Wyoming	2	7	2	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**1**
California	1	1	1	0	1
Oregon	1	4	6	0	2
Washington	1	4	5	0	2
Pacific Noncontiguous	**1**	**4**	**3**	**0**	**2**
Alaska	2	9	10	0	5
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 Sales of Electricity to Ultimate Customers

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**3**	**0**	**0**
Connecticut	0	1	4	0	1
Maine	0	1	1	0	0
Massachusetts	0	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	1	2	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	0	1	2	0	1
Michigan	0	1	1	0	1
Ohio	0	1	1	0	1
Wisconsin	0	2	2	0	1
West North Central	**0**	**1**	**1**	**0**	**1**
Iowa	1	5	3	0	2
Kansas	1	1	2	0	1
Minnesota	1	3	3	0	1
Missouri	0	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	0	1	9	0	2
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	0	1	3	0	0
North Carolina	0	0	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	1	0	1
Louisiana	0	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	2
Washington	0	3	3	0	1
Pacific Noncontiguous	**1**	**3**	**2**	**0**	**1**
Alaska	1	7	7	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

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

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	0	9	2	0	3
Massachusetts	0	1	3	0	0
New Hampshire	0	5	3	0	2
Rhode Island	0	0	0	0	0
Vermont	1	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	0	1	2	0	0
Indiana	1	1	1	0	1
Michigan	0	1	2	0	1
Ohio	4	4	3	0	3
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	2	4	0	1
Missouri	1	1	3	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**	**0**	**0**
Delaware	1	2	7	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	3	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	3	0	1
Texas	0	0	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	11	1	0	3
New Mexico	1	6	7	0	3
Utah	1	4	2	0	2
Wyoming	1	4	2	0	2
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	1	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**	**0**	**0**	**0**

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

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

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

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

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

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

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

Table 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	ongoing	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
2015	8	08/02/2015 5:45 PM	08/04/2015 3:00 AM	33 Hours, 15 Minutes	Consumers Energy Co	RFC	Emmet County, Grand Traverse County, Leelanau County, Kalkaska County, Benzie County, Manistee County, Wexford County, Missaukee County, Mecosta County, Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	162000
2015	8	08/03/2015 12:30 AM	08/03/2015 2:00 AM	1 Hours, 30 Minutes	Exelon Corporation / ComEd	RFC	Illinois	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	115000
2015	8	08/03/2015 1:00 AM	08/05/2015 12:00 AM	47 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	72520
2015	8	08/04/2015 7:17 AM	08/05/2015 12:52 PM	29 Hours, 35 Minutes	ISO New England	NPCC	Massachusetts and Rhode Island	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	132000
2015	8	08/11/2015 7:30 PM	08/13/2015 4:05 AM	32 Hours, 35 Minutes	CenterPoint Energy	TRE	Houston, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	100000
2015	8	08/13/2015 3:15 PM	08/13/2015 7:00 PM	3 Hours, 45 Minutes	ERCOT	TRE	Williamson County, Texas	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system - Other	Unknown	Unknown
2015	8	08/27/2015 9:51 PM	08/28/2015 6:00 PM	20 Hours, 9 Minutes	Puerto Rico Electric Power Authority	WECC	Puerto Rico	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident / Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	360	Unknown
2015	8	08/29/2015 10:00 AM	ongoing	ongoing	Peak Reliability	WECC	Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	500000
2015	8	08/29/2015 11:00 AM	09/04/2015 3:00 PM	148 Hours, 0 Minutes	Puget Sound Energy	WECC	King County, Skagit County, Whatcom County, Kitsap County, Pierce County, Thurston County, Island County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	250	250000
2015	8	08/29/2015 1:00 PM	08/31/2015 7:00 AM	42 Hours, 0 Minutes	Seattle City Light	WECC	King County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	1200	64000
2015	9	09/03/2015 2:33 AM	09/03/2015 6:25 AM	3 Hours, 52 Minutes	Lansing Board of Water & Light	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	50114
2015	9	09/20/2015 1:12 PM	09/20/2015 1:44 PM	0 Hours, 32 Minutes	California ISO	WECC	California	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	150	Unknown
2015	10	10/13/2015 10:25 AM	10/13/2015 6:00 PM	7 Hours, 35 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - Other	Unknown	Unknown
2015	10	10/13/2015 4:32 PM	10/13/2015 8:39 PM	4 Hours, 7 Minutes	California ISO	WECC	California	Public appeal to reduce the use of electricity - Other	41788	Unknown
2015	10	10/18/2015 7:00 AM	10/18/2015 11:29 PM	16 Hours, 29 Minutes	Pacific Gas & Electric Co	WECC	Central Coast area, California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	88	55677
2015	10	10/23/2015 9:42 AM	10/23/2015 1:26 PM	3 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational / Load shedding of 100 Megawatts or more implemented under emergency operational policy / System-wide voltage reductions of 3 percent of more / Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	500	300000
2015	10	10/31/2015 12:45 AM	11/01/2015 4:05 PM	39 Hours, 20 Minutes	CenterPoint Energy	TRE	Harris County, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	130252

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:

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).

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 sales to ultimate consumers 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 electric 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 price of electricity to ultimate consumers 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 energy providers to ultimate consumers 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 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 sales of electricity to ultimate customers and revenue from 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 the price of electricity to ultimate consumers 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 price of electricity to ultimate consumers 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 price of electricity to ultimate consumers represents the cost per unit of electricity sold and is calculated by dividing electric revenue from ultimate consumers by the corresponding sales of electricity. The average price of electricity to ultimate consumers is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average price of electricity to ultimate consumers 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 price of electricity to ultimate consumers 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 abbreviations 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 price of electricity to ultimate consumers represents the cost per unit of electricity sold and is calculated by dividing electric revenue from ultimate consumers by the corresponding sales of electricity. The average price of electricity to ultimate consumers is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average price of electricity to ultimate consumers 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 price of electricity to ultimate consumers 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

Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

Monthly generation from small scale PV solar resources is an estimation of the generation produced from PV solar resources and not the results of a data collection effort for generation directly, with the exception of "Third Party Owned" or (TPO) solar installations which has direct data collection. TPO data however is not comprehensive. TPOs do not operate in every state, TPO collected data is not a large portion of the estimated amount, and the data has been collected for limited period of time. The generation estimate is based on data collected for PV solar capacity.

Capacity of PV solar resources is collected directly from respondents. These data are collected on several EIA forms and from several types of respondents. Monthly data for net-metered PV solar capacity is reported on the Form EIA-826. Form EIA-826 is a cutoff sample drawn from the annual survey Form EIA-861 which collects this data from all respondents. Using data from both of these surveys we have a regression model to impute for the non-sampled monthly capacity.

The survey instruments collect solar net metering capacity from reporting utilities by state and customer class. There are four customer classes: residential, commercial, industrial and transportation. However, the estimation process included only the residential, commercial and industrial customers.[1] Data for these customer classes were further classified by U.S. Census Regions, to ensure adequate number of customer observations in for each estimation group.

Estimation Model: The total PV capacity reported by utilities in the annual EIA-861 survey is the single primary input (regressor) to the monthly estimation of PV capacity by state. The model tested for each Census Region was of the form:

$$y_{i_{2015,m}} = \beta_1 x_{i_{2013}} + w_i^{-1/2} e_i \text{, where}$$

$x_{i_{2013}}$ is the ith utility's 2013 (or the last published year) solar PV capacity

$y_{i_{2015,m}}$ is the ith utility's month m, 2015 (or the current year) reported solar PV capacity

w_i is the weight factor, which is the inverse of $x_{i_{2013}}$

β_1 is effectively the growth rate of reported month m solar PV capacity

e_i is the error term

The model checks for outliers and removes them from the regression equation inputs. The model calculates RSEs by sector, state, census region, and US total. Once we have imputed for all of the

monthly net-metered PV solar capacity we add to total net metered capacity, the PV solar capacity collected on the Form EIA-861 for distributed and dispersed resources that are not net metered.

We use a second model to estimate the generation using this capacity as an input. The original methodology was developed for the "Annual Energy Outlook" based on our "NEMS" modelled projections several years ago. The original method underwent a calibration project designed to develop PV production levels for the NEMS projections consistent with simulations of a National Renewable Energy Laboratory model called PVWatts, which is itself embedded in PC software under the umbrella of the NREL's System Advisor Model (SAM).

The PVWatts simulations require, panel azimuth orientations and tilts, something that the NEMS projections do not include. Call the combinations of azimuths and tilts "orientations." The orientation and solar insolation (specific to a location) have a direct effect on the PV production level. The calibration project selected the 100 largest population Metropolitan Statistical Areas (MSAs) and relied on weights derived from orientation data from California Solar Initiative dataset to develop typical outputs for each of the 100 MSAs. It then was expanded from an annual estimate to a monthly estimate. A further description of this model is located here. A listing of the MSAs are included in Appendix 1.

Using Form EIA-861 data for service territories, which lists the counties that each electric distribution company (EDC) provides service, and NREL solar insolation data by county a simple average of insolation values by EDC is calculated.

Using the estimation model, we produce by utility, by state and by sector an estimate of generation. All the utilities'' capacity and generation estimates are summed by state and sector and a KWh/KW rate by state and sector is calculated.

Capacity from the Form EIA-860 that is net metered is subtracted from the total capacity by state and sector as well as the capacity reported on the EIA-826 from TPOs, resulting in a new "net" capacity amount. This capacity amount is multiplied by the KWh/KW rate to produce the non-TPO generation estimate and then it is added to the TPO reported sales to ultimate customers from the EIA-826 to obtain a final estimate for generation and a blended KWh/KW rate is calculated. The estimate for generation is aggregated by US census regions and US totals. The RSEs for capacity are checked for level of error and if they pass, the summary data by state, US census region and US total are reported in the EPM.

Appendix 2 contains a flow diagram of the data inputs, data quality control checks and data analysis required to perform this estimation.

Appendix 1- MSAs

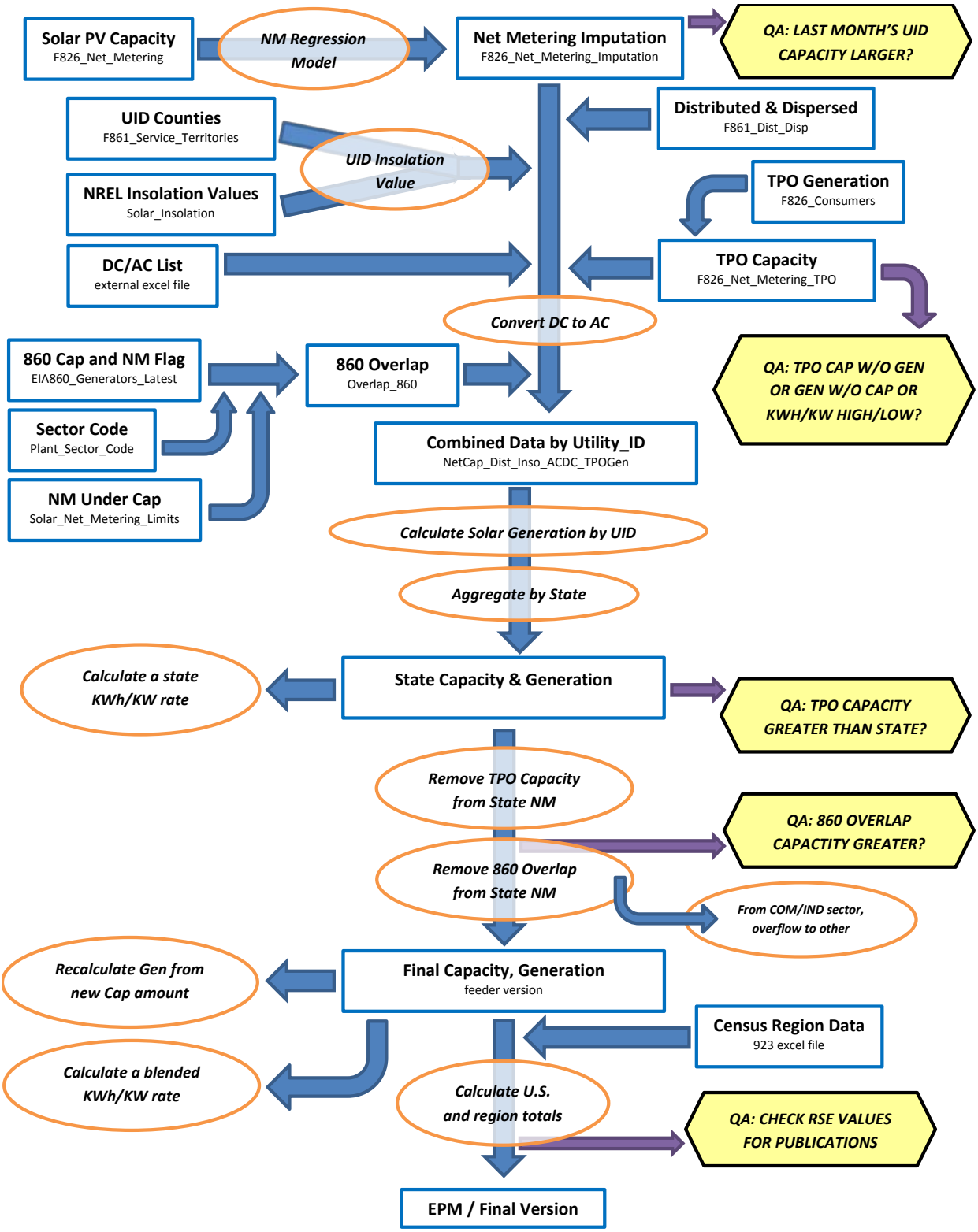
TMY3 (1991-2005) Weather Stations by MSA

Site	Weather Location	MSA
1	USA NY New York Central Park Obs.	New York-Newark-Jersey City, NY-NJ-PA MSA
2	USA CA Los Angeles Intl Airport	Los Angeles-Long Beach-Anaheim, CA MSA
3	USA IL Chicago Midway Airport	Chicago-Naperville-Elgin, IL-IN-WI MSA
4	USA TX Dallas-fort Worth Intl Airport	Dallas-Fort Worth-Arlington, TX MSA
5	USA TX Houston Bush Intercontinental	Houston-The Woodlands-Sugar Land, TX MSA
6	USA PA Philadelphia Int'l Airport	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA
7	USA VA Washington Dc Reagan Airport	Washington-Arlington-Alexandria, DC-VA-MD-WV MSA
8	USA FL Miami Intl Airport	Miami-Fort Lauderdale-West Palm Beach, FL MSA
9	USA GA Atlanta Hartsfield Intl Airport	Atlanta-Sandy Springs-Roswell, GA MSA
10	USA MA Boston Logan Int'l Airport	Boston-Cambridge-Newton, MA-NH MSA
11	USA CA San Francisco Intl Airport	San Francisco–Oakland–Hayward, CA MSA
12	USA AZ Phoenix Sky Harbor Intl Airport	Phoenix-Mesa-Scottsdale, AZ MSA
13	USA CA Riverside Municipal Airport	Riverside-San Bernardino-Ontario, CA MSA
14	USA MI Detroit City Airport	Detroit-Warren-Dearborn, MI MSA
15	USA WA Seattle Seattle-Tacoma Intl Airport	Seattle-Tacoma-Bellevue, WA MSA
16	USA MN Minneapolis-St. Paul Int'l Arp	Minneapolis-St. Paul-Bloomington, MN-WI MSA
17	USA CA San Diego Lindbergh Field	San Diego-Carlsbad, CA MSA
18	USA FL Tampa Int'l Airport	Tampa-St. Petersburg-Clearwater, FL MSA
19	USA MO St Louis Lambert Int'l Airport	St. Louis, MO-IL MSA
20	USA MD Baltimore-Washington Int'l Airport	Baltimore-Columbia-Towson, MD MSA
21	USA CO Denver Centennial [Golden - NREL]	Denver-Aurora-Lakewood, CO MSA
22	USA PA Pittsburgh Allegheny Co Airport	Pittsburgh, PA MSA
23	USA NC Charlotte Douglas Intl Airport	Charlotte-Concord-Gastonia, NC-SC MSA
24	USA OR Portland Hillsboro	Portland-Vancouver-Hillsboro, OR-WA MSA
25	USA TX San Antonio Intl Airport	San Antonio-New Braunfels, TX MSA
26	USA FL Orlando Intl Airport	Orlando-Kissimmee-Sanford, FL MSA
27	USA CA Sacramento Executive Airport	Sacramento–Roseville–Arden-Arcade, CA MSA
28	USA OH Cincinnati Municipal Airport	Cincinnati, OH-KY-IN MSA
29	USA OH Cleveland Hopkins Intl Airport	Cleveland-Elyria, OH MSA
30	USA MO Kansas City Int'l Airport	Kansas City, MO-KS MSA
31	USA NV Las Vegas McCarran Intl Airport	Las Vegas-Henderson-Paradise, NV MSA
32	USA OH Columbus Port Columbus Intl A	Columbus, OH MSA
33	USA IN Indianapolis Intl Airport	Indianapolis-Carmel-Anderson, IN MSA
34	USA CA San Jose Intl Airport	San Jose-Sunnyvale-Santa Clara, CA MSA
35	USA TX Austin Mueller Municipal Airport	Austin-Round Rock, TX MSA
36	USA TN Nashville Int'l Airport	Nashville-Davidson–Murfreesboro–Franklin, TN MSA

37	USA VA Norfolk Int'l Airport	Virginia Beach-Norfolk-Newport News, VA-NC MSA
38	USA RI Providence T F Green State	Providence-Warwick, RI-MA MSA
39	USA WI Milwaukee Mitchell Intl Airport	Milwaukee-Waukesha-West Allis, WI MSA
40	USA FL Jacksonville Craig	Jacksonville, FL MSA
41	USA TN Memphis Int'l Airport	Memphis, TN-MS-AR MSA
42	USA OK Oklahoma City Will Rogers	Oklahoma City, OK MSA
43	USA KY Louisville Bowman Field	Louisville/Jefferson County, KY-IN MSA
44	USA VA Richmond Int'l Airport	Richmond, VA MSA
45	USA LA New Orleans Alvin Callender	New Orleans-Metairie, LA MSA
46	USA CT Hartford Bradley Intl Airport	Hartford-West Hartford-East Hartford, CT MSA
47	USA NC Raleigh Durham Int'l	Raleigh, NC MSA
48	USA UT Salt Lake City Int'l Airport	Salt Lake City, UT MSA
49	USA AL Birmingham Municipal Airport	Birmingham-Hoover, AL MSA
50	USA NY Buffalo Niagara Intl Airport	Buffalo-Cheektowaga-Niagara Falls, NY MSA
51	USA NY Rochester Greater Rochester	Rochester, NY MSA
52	USA MI Grand Rapids Kent County Int'l Airport	Grand Rapids-Wyoming, MI MSA
53	USA AZ Tucson Int'l Airport	Tucson, AZ MSA
54	USA HI Honolulu Intl Airport	Urban Honolulu, HI MSA
55	USA OK Tulsa Int'l Airport	Tulsa, OK MSA
56	USA CA Fresno Yosemite Intl Airport	Fresno, CA MSA
57	USA CT Bridgeport Sikorsky Memorial	Bridgeport-Stamford-Norwalk, CT MSA
58	USA MA Worchester Regional Airport	Worcester, MA-CT MSA
59	USA NM Albuquerque Intl Airport	Albuquerque, NM MSA
60	USA NE Omaha Eppley Airfield	Omaha-Council Bluffs, NE-IA MSA
61	USA NY Albany County Airport	Albany-Schenectady-Troy, NY MSA
62	USA CA Bakersfield Meadows Field	Bakersfield, CA MSA
63	USA CT New Haven Tweed Airport	New Haven-Milford, CT MSA
64	USA TN Knoxville McGhee Tyson Airport	Knoxville, TN MSA
65	USA SC Greenville Downtown Airport	Greenville-Anderson-Mauldin, SC MSA
66	USA CA Oxnard Airport	Oxnard-Thousand Oaks-Ventura, CA MSA
67	USA TX El Paso Int'l Airport	El Paso, TX MSA
68	USA PA Allentown Lehigh Valley Intl	Allentown-Bethlehem-Easton, PA-NJ MSA
69	USA LA Baton Rouge Ryan Airport	Baton Rouge, LA MSA
70	USA TX McCallen Miller Intl Airport	McAllen-Edinburg-Mission, TX MSA
71	USA OH Dayton Int'l Airport	Dayton, OH MSA
72	USA SC Columbia Metro Airport	Columbia, SC MSA
73	USA NC Greensboro Piedmont Triad Int'l Airport	Greensboro-High Point, NC MSA
74	USA FL Sarasota Bradenton	North Port-Sarasota-Bradenton, FL MSA
75	USA AR Little Rock Adams Field	Little Rock-North Little Rock-Conway, AR MSA
76	USA SC Charleston Intl Airport	Charleston-North Charleston, SC MSA
77	USA OH Akron Akron-canton Reg. Airport	Akron, OH MSA
78	USA CA Stockton Metropolitan Airport	Stockton-Lodi, CA MSA

79	USA CO Colorado Springs Muni Airport	Colorado Springs, CO MSA
80	USA NY Syracuse Hancock Int'l Airport	Syracuse, NY MSA
81	USA FL Fort Myers Page Field	Cape Coral-Fort Myers, FL MSA
82	USA NC Winston-Salem Reynolds Airport	Winston-Salem, NC MSA
83	USA ID Boise Air Terminal	Boise City, ID MSA
84	USA KS Wichita Mid-continent Airport	Wichita, KS MSA
85	USA WI Madison Dane Co Regional Airport	Madison, WI MSA
86	USA MA Worchester Regional Airport	Springfield, MA MSA
87	USA FL Lakeland Linder Regional Airport	Lakeland-Winter Haven, FL MSA
88	USA UT Ogden Hinkley Airport	Ogden-Clearfield, UT MSA
89	USA OH Toledo Express Airport	Toledo, OH MSA
90	USA FL Daytona Beach Intl Airport	Deltona-Daytona Beach-Ormond Beach, FL MSA
91	USA IA Des Moines Intl Airport	Des Moines-West Des Moines, IA MSA
92	USA GA Augusta Bush Field	Augusta-Richmond County, GA-SC MSA
93	USA MS Jackson Int’l Airport	Jackson, MS MSA
94	USA UT Provo Muni	Provo-Orem, UT MSA
95	USA PA Wilkes-Barre Scranton Intl Airport	Scranton–Wilkes-Barre–Hazleton, PA MSA
96	USA PA Harrisburg Capital City Airport	Harrisburg-Carlisle, PA MSA
97	USA OH Youngstown Regional Airport	Youngstown-Warren-Boardman, OH-PA MSA
98	USA FL Melbourne Regional Airport	Palm Bay-Melbourne-Titusville, FL MSA
99	USA TN Chattanooga Lovell Field Airport	Chattanooga, TN-GA MSA
100	USA WA Spokane Int’l Airport	Spokane-Spokane Valley, WA MSA

Appendix 2 – Flow diagram of data sources and analysis



[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, October 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	25.82	6.26	--	1.03
Connecticut	--	6.27	--	1.03
Maine	25.20	6.33	--	1.02
Massachusetts	--	6.20	--	1.03
New Hampshire	25.91	--	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	24.78	6.01	--	1.04
New Jersey	25.02	5.80	--	1.04
New York	24.50	6.08	--	1.03
Pennsylvania	24.78	5.81	--	1.04
East North Central	19.92	5.80	27.42	1.04
Illinois	17.69	5.79	--	1.01
Indiana	22.32	5.77	29.60	1.06
Michigan	18.48	5.84	26.10	1.03
Ohio	24.47	5.79	27.54	1.06
Wisconsin	17.49	5.86	26.59	1.04
West North Central	16.70	5.83	--	1.06
Iowa	17.58	5.86	--	1.06
Kansas	17.07	5.83	--	1.08
Minnesota	17.63	5.79	--	1.06
Missouri	17.54	5.79	--	1.04
Nebraska	16.89	--	--	1.07
North Dakota	13.02	5.70	--	0.99
South Dakota	16.36	6.00	--	1.06
South Atlantic	23.37	5.91	28.65	1.04
Delaware	--	5.79	--	1.05
District of Columbia	--	--	--	--
Florida	23.56	5.77	28.65	1.03
Georgia	19.82	5.85	--	1.03
Maryland	24.54	6.02	--	1.04
North Carolina	24.85	5.80	--	1.04
South Carolina	24.66	6.00	--	1.03
Virginia	23.66	5.90	--	1.06
West Virginia	24.51	5.74	--	1.07
East South Central	21.34	5.82	28.28	1.03
Alabama	19.93	5.50	--	1.03
Kentucky	22.11	5.83	28.28	1.02
Mississippi	16.75	--	--	1.03
Tennessee	22.26	5.78	--	1.01
West South Central	16.07	5.85	28.95	1.03
Arkansas	17.48	5.83	--	1.02
Louisiana	16.46	5.84	28.95	1.03
Oklahoma	17.17	5.80	--	1.05
Texas	15.63	5.86	--	1.03
Mountain	18.77	5.73	--	1.05
Arizona	18.94	5.48	--	1.04
Colorado	18.78	--	--	1.08
Idaho	--	--	--	1.02
Montana	17.05	--	--	--
Nevada	20.84	5.79	--	1.04
New Mexico	18.22	5.66	--	1.05
Utah	21.57	5.88	--	1.04
Wyoming	17.61	5.80	--	0.98
Pacific Contiguous	17.89	6.00	--	1.04
California	23.43	--	--	1.03
Oregon	17.25	--	--	1.04
Washington	17.05	6.00	--	1.07
Pacific Noncontiguous	18.76	6.16	--	1.00
Alaska	14.40	5.50	--	1.00
Hawaii	20.80	6.16	--	--
U.S. Total	19.23	6.11	28.50	1.04

'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, 2012 through 2014

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2012**	**2013**	**2014**
Net Generation			
Coal	0.20%	0.31%	0.25%
Petroleum Liquids	4.25%	4.04%	2.32%
Petroleum Coke	2.45%	0.95%	2.96%
Natural Gas	0.46%	0.98%	0.42%
Other Gases	6.36%	5.81%	4.12%
Hydroelectric	0.70%	0.65%	0.49%
Nuclear	0.00%	0.00%	0.01%
Other	1.08%	0.56%	0.43%
Total	**0.20%**	**0.19%**	**0.08%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.16%	0.07%	0.13%
Petroleum Liquids	4.47%	3.49%	2.17%
Petroleum Coke	3.99%	1.03%	3.19%
Natural Gas	0.37%	0.99%	0.48%
Fuel Stocks for Electric Power Sector			
Coal	0.57%	0.25%	0.38%
Petroleum Liquids	0.64%	2.54%	4.25%
Petroleum Coke	8.22%	0.08%	0.61%
Retail Sales			
Residential	0.16%	0.26%	0.30%
Commercial	0.39%	0.22%	0.38%
Industrial	0.50%	3.20%	4.39%
Transportation	2.44%	1.45%	0.44%
Total	**0.27%**	**0.90%**	**1.10%**
Revenue			
Residential	0.13%	0.34%	0.43%
Commercial	0.20%	0.47%	0.47%
Industrial	0.20%	4.28%	5.66%
Transportation	1.09%	3.84%	1.92%
Total	**0.13%**	**0.76%**	**1.01%**
Average Price to Ultimate Consumers			
Residential	0.10%	0.12%	0.12%
Commercial	0.27%	0.30%	0.20%
Industrial	0.39%	1.05%	1.20%
Transportation	1.57%	2.49%	2.18%
Total	**0.21%**	**0.17%**	**0.16%**
Receipt of Fossil Fuels			
Coal	0.99%	2.50%	2.20%
Petroleum Liquids	23.68%	0.79%	0.49%
Petroleum Coke	13.72%	2.30%	2.03%
Natural Gas	10.47%	0.47%	0.26%
Cost of Fossil Fuels			
Coal	0.90%	0.18%	0.18%
Petroleum Liquids	0.53%	0.14%	0.04%
Petroleum Coke	11.66%	1.22%	1.03%
Natural Gas	0.77%	0.02%	0.06%

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, 2012 through 2014

	2012			2013			2014		
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	1,517,203	1,514,043	-0.21%	1,585,998	1,581,115	-0.31%	1,585,697	1,581,710	-0.25%
Petroleum Liquids	13,209	13,403	1.47%	13,410	13,820	3.06%	18,708	18,276	-2.31%
Petroleum Coke	9,691	9,787	0.99%	13,453	13,344	-0.81%	11,781	11,955	1.48%
Natural Gas	1,230,708	1,225,894	-0.39%	1,113,665	1,124,836	1.00%	1,121,928	1,126,609	0.42%
Other Gases	11,212	11,898	6.11%	12,271	12,853	4.75%	11,578	12,022	3.83%
Hydroelectric	271,878	271,290	-0.22%	264,713	263,884	-0.31%	252,540	253,193	0.26%
Nuclear	769,331	769,331	0.00%	789,017	789,016	0.00%	797,067	797,166	0.01%
Other	231,253	232,120	0.37%	265,683	267,096	0.53%	293,636	292,674	-0.33%
Total	**4,054,485**	**4,047,765**	**-0.17%**	**4,058,209**	**4,065,964**	**0.19%**	**4,092,935**	**4,093,606**	**0.02%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	826,700	825,734	-0.12%	860,790	860,729	-0.01%	854,416	853,634	-0.09%
Petroleum Liquids (1,000 barrels)	22,523	22,604	0.36%	22,751	23,231	2.11%	32,084	31,531	-1.72%
Petroleum Coke (1,000 tons)	3,552	3,675	3.44%	4,893	4,852	-0.83%	4,325	4,412	2.02%
Natural Gas (1,000 Mcf)	9,465,207	9,484,710	0.21%	8,512,483	8,596,299	0.98%	8,502,964	8,544,387	0.49%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	184,923	185,116	0.10%	147,973	147,884	-0.06%	151,362	151,548	0.12%
Petroleum Liquids (1,000 barrels)	31,897	32,224	1.03%	31,045	31,673	2.03%	32,139	33,505	4.25%
Petroleum Coke (1,000 tons)	495	495	-0.01%	390	390	-0.01%	847	827	-2.29%
Retail Sales (Million kWh)									
Residential	1,374,594	1,374,515	-0.01%	1,391,102	1,394,812	0.27%	1,402,911	1,407,208	0.31%
Commercial	1,323,844	1,327,101	0.25%	1,338,464	1,337,079	-0.10%	1,357,505	1,352,158	-0.39%
Industrial	980,837	985,714	0.50%	954,731	985,352	3.21%	955,488	997,576	4.40%
Transportation	7,504	7,320	-2.45%	7,525	7,625	1.32%	7,776	7,758	-0.24%
Total	**3,686,780**	**3,694,650**	**0.21%**	**3,691,822**	**3,724,868**	**0.90%**	**3,723,681**	**3,764,700**	**1.10%**
Revenue (Million Dollars)									
Residential	163,352	163,280	-0.04%	168,547	169,131	0.35%	175,404	176,178	0.44%
Commercial	133,908	133,898	-0.01%	137,779	137,188	-0.43%	145,889	145,253	-0.44%
Industrial	65,691	65,761	0.11%	65,111	67,934	4.33%	67,019	70,855	5.72%
Transportation	754	747	-0.90%	775	805	3.84%	798	810	1.51%
Total	**363,705**	**363,687**	**0.00%**	**372,213**	**375,058**	**0.76%**	**389,111**	**393,096**	**1.02%**
Average Price for Ultimate Consumers(Cents/kWh)									
Residential	11.88	11.88	-0.04%	12.12	12.13	0.08%	12.50	12.52	0.13%
Commercial	10.12	10.09	-0.25%	10.29	10.26	-0.33%	10.75	10.74	-0.04%
Industrial	6.70	6.67	-0.39%	6.82	6.89	1.09%	7.01	7.10	1.26%
Transportation	10.05	10.21	1.59%	10.30	10.55	2.49%	10.27	10.45	1.75%
Total	**9.87**	**9.84**	**-0.22%**	**10.08**	**10.07**	**-0.13%**	**10.45**	**10.44**	**-0.08%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	849,667	841,183	-1.00%	803,206	823,222	2.49%	836,196	854,560	2.20%
Petroleum Liquids (1,000 barrels)	25,485	19,464	-23.63%	20,348	20,413	0.32%	28,355	28,514	0.56%
Petroleum Coke (1,000 tons)	4,858	4,180	-13.95%	4,555	4,660	2.31%	5,091	5,195	2.03%
Natural Gas (1,000 Mcf)	10,631,822	9,531,389	-10.35%	8,463,303	8,503,424	0.47%	8,423,883	8,431,423	0.09%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.40	2.38	-0.89%	2.35	2.34	-0.12%	2.37	2.37	0.02%
Petroleum Liquids (1,000 barrels)	21.82	21.85	0.12%	20.59	20.56	-0.12%	19.89	19.89	-0.03%
Petroleum Coke (1,000 tons)	2.54	2.24	-11.90%	2.16	2.17	0.70%	1.96	1.98	0.97%
Natural Gas (1,000 Mcf)	3.40	3.42	0.64%	4.33	4.33	0.03%	4.99	4.99	0.01%

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 2014 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 Price of Electricity to Ultimate Consumers (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 ultimate 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 an ultimate consumer.

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: Sales services for ultimate consumers 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 electric power to ultimate consumers.

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.