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Contacts

The Electric Power Monthly is prepared by the U.S. Energy Information Administration.

Questions and comments concerning the contents of the Electric Power Monthly may be directed to:

Ronald Hankey, Project Leader
U.S. Energy Information Administration, EI-23
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC, 20585-0650

Email address: infoelectric@eia.gov

Subject specialists:

Subject	Specialist
U.S. electric net generation	Ronald Hankey
U.S. electric consumption of fuels	Christopher Cassar
U.S. electric stocks of fuels	Christopher Cassar
U.S. electric fossil-fuel receipts	Rebecca Peterson
U.S. electric fossil-fuel costs	Rebecca Peterson
U.S. retail sales of electricity	Peter Wong
Sampling and estimation methodologies	Orhan Yildiz.

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

Preface

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

Background

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

Data sources

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

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	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Net Generation (Thousand Megawatthours)											
Coal	135,430	148,882	-9.0%	101,835	114,968	32,452	32,728	37	50	1,106	1,136
Petroleum Liquids	1,116	1,065	4.8%	824	759	241	249	NM	NM	40	48
Petroleum Coke	1,074	1,009	6.4%	827	770	143	121	1	1	103	117
Natural Gas	138,243	121,849	13.5%	62,798	52,289	67,182	61,449	719	679	7,543	7,432
Other Gas	1,172	1,064	10.1%	18	4	320	358	0	0	834	702
Nuclear	72,415	71,129	1.8%	38,482	37,182	33,933	33,946	0	0	0	0
Hydroelectric Conventional	19,320	19,757	-2.2%	17,906	17,991	1,330	1,552	NM	NM	82	211
Renewable Sources Excluding Hydroelectric	22,960	19,141	20.0%	2,767	2,017	17,440	14,299	284	293	2,468	2,532
... Wind	13,040	10,197	27.9%	1,982	1,392	11,045	8,796	NM	NM	NM	NM
... Solar Thermal and Photovoltaic	2,880	1,914	50.5%	176	134	2,637	1,734	64	44	NM	NM
... Wood and Wood-Derived Fuels	3,809	3,784	0.7%	355	275	1,085	1,081	NM	7	2,366	2,421
... Other Biomass	1,814	1,864	-2.7%	161	122	1,348	1,399	208	235	96	107
... Geothermal	1,417	1,382	2.6%	93	93	1,325	1,289	0	0	0	0
Hydroelectric Pumped Storage	-623	-840	-25.9%	-510	-740	-113	-101	0	0	0	0
Other Energy Sources	1,191	1,136	4.8%	57	43	583	597	110	115	440	382
All Energy Sources	392,298	384,192	2.1%	225,005	225,282	153,511	145,198	1,166	1,150	12,616	12,561
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	74,145	81,164	-8.6%	54,849	61,258	18,858	19,444	13	20	426	442
Petroleum Liquids (1000 barrels)	1,884	1,812	4.0%	1,466	1,380	332	360	24	20	61	52
Petroleum Coke (1000 tons)	397	364	9.2%	311	286	59	50	0	0	27	28
Natural Gas (1000 Mcf)	1,057,595	929,599	13.8%	493,127	410,371	504,751	460,830	6,022	5,902	53,695	52,497
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,392	1,474	-5.6%	69	0	143	183	50	70	1,130	1,221
Petroleum Liquids (1000 barrels)	237	266	-10.9%	1	0	93	96	31	31	112	138
Petroleum Coke (1000 tons)	91	177	-48.4%	0	0	9	9	2	2	81	167
Natural Gas (1000 Mcf)	79,459	74,509	6.6%	978	0	27,302	27,513	4,564	4,010	46,616	42,986
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	75,537	82,638	-8.6%	54,918	61,258	19,001	19,627	62	90	1,556	1,663
Petroleum Liquids (1000 barrels)	2,121	2,078	2.1%	1,467	1,380	425	456	56	51	173	191
Petroleum Coke (1000 tons)	488	541	-9.7%	311	286	68	59	2	2	108	194
Natural Gas (1000 Mcf)	1,137,055	1,004,108	13.2%	494,105	410,371	532,053	488,342	10,586	9,912	100,311	95,483
Fuel Stocks (end-of-month)											
Coal (1000 tons)	160,359	123,016	30.4%	125,367	92,607	32,751	28,103	160	309	2,080	1,998
Petroleum Liquids (1000 barrels)	30,272	29,819	1.5%	19,534	20,192	8,825	7,708	321	372	1,591	1,546
Petroleum Coke (1000 tons)	1,188	530	124.1%	891	W	138	W	W	W	W	142

Sales, Revenue, and Average Retail Price for August									
Sector	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	August 2015	August 2014	Percentage Change	August 2015	August 2014	Percentage Change	August 2015	August 2014	Percentage Change
Residential	144,086	135,383	6.4%	18,633	17,625	5.7%	12.93	13.02	-0.7%
Commercial	128,229	126,413	1.4%	13,975	13,991	-0.1%	10.90	11.07	-1.5%
Industrial	85,738	85,600	0.2%	6,273	6,316	-0.7%	7.32	7.38	-0.8%
Transportation	623	640	-2.7%	63	66	-4.1%	10.17	10.32	-1.5%
All Sectors	358,676	348,036	3.1%	38,944	37,999	2.5%	10.86	10.92	-0.5%

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

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

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

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

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

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

Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).

Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.

Note: Values are preliminary. Percentage change is calculated before rounding.

See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

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

Net Generation and Consumption of Fuels for January through August											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
Fuel											
Net Generation (Thousand Megawatthours)											
Coal	963,281	1,103,307	-12.7%	732,844	835,059	222,071	258,746	419	563	7,947	8,939
Petroleum Liquids	13,591	14,886	-8.7%	7,839	8,312	5,135	5,922	185	212	432	439
Petroleum Coke	7,660	8,354	-8.3%	5,755	6,441	1,111	986	5	5	789	923
Natural Gas	883,614	744,440	18.7%	395,772	319,474	426,641	363,312	4,966	4,801	56,235	56,853
Other Gas	8,436	7,366	14.5%	150	65	2,601	2,425	0	0	5,684	4,877
Nuclear	540,243	528,639	2.2%	283,012	279,481	257,230	249,158	0	0	0	0
Hydroelectric Conventional	174,665	184,595	-5.4%	158,653	167,468	14,590	15,292	NM	NM	1,397	1,805
Renewable Sources Excluding Hydroelectric	192,451	188,161	2.3%	23,548	22,813	147,566	143,397	2,228	2,176	19,109	19,774
... Wind	120,548	121,986	-1.2%	18,510	18,358	101,913	103,534	87	66	38	28
... Solar Thermal and Photovoltaic	18,719	12,428	50.6%	1,174	899	17,120	11,204	407	311	17	15
... Wood and Wood-Derived Fuels	28,157	28,630	-1.7%	2,112	1,846	7,779	7,874	46	49	18,219	18,862
... Other Biomass	13,795	14,120	-2.3%	1,035	967	10,238	10,533	1,688	1,750	835	869
... Geothermal	11,233	10,996	2.2%	716	743	10,517	10,253	0	0	0	0
Hydroelectric Pumped Storage	-3,370	-4,208	-19.9%	-2,665	-3,518	-705	-691	0	0	0	0
Other Energy Sources	8,540	8,299	2.9%	328	312	4,334	4,461	801	803	3,077	2,723
All Energy Sources	2,789,111	2,783,839	0.2%	1,605,236	1,635,908	1,080,575	1,043,009	8,630	8,590	94,670	96,333
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	523,004	591,488	-11.6%	392,297	440,726	127,532	147,176	153	188	3,022	3,398
Petroleum Liquids (1000 barrels)	23,113	25,541	-9.5%	14,142	15,061	7,999	9,530	439	485	533	465
Petroleum Coke (1000 tons)	2,835	3,059	-7.3%	2,164	2,366	465	421	1	1	205	270
Natural Gas (1000 Mcf)	6,671,571	5,670,903	17.6%	3,067,149	2,508,742	3,161,224	2,713,868	42,849	42,509	400,349	405,784
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	11,103	12,428	-10.7%	69	0	1,218	1,605	575	721	9,240	10,102
Petroleum Liquids (1000 barrels)	3,180	3,350	-5.1%	1	0	841	864	684	773	1,654	1,714
Petroleum Coke (1000 tons)	848	933	-9.1%	0	0	73	54	9	9	766	870
Natural Gas (1000 Mcf)	616,443	582,867	5.8%	978	0	215,293	212,983	35,569	31,644	364,603	338,240
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	534,106	603,917	-11.6%	392,366	440,726	128,750	148,782	728	909	12,262	13,500
Petroleum Liquids (1000 barrels)	26,292	28,891	-9.0%	14,143	15,061	8,841	10,393	1,123	1,257	2,186	2,179
Petroleum Coke (1000 tons)	3,683	3,991	-7.7%	2,164	2,366	538	475	11	10	971	1,140
Natural Gas (1000 Mcf)	7,288,014	6,253,770	16.5%	3,068,127	2,508,742	3,376,517	2,926,850	78,418	74,153	764,952	744,024

Sales, Revenue, and Average Retail Price for January through August									
Sector	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	Percentage Change
Residential	971,632	965,329	0.7%	122,860	120,549	1.9%	12.64	12.49	1.2%
Commercial	916,506	910,967	0.6%	97,642	97,994	-0.4%	10.65	10.76	-1.0%
Industrial	637,937	637,576	0.1%	43,989	45,149	-2.6%	6.90	7.08	-2.5%
Transportation	5,141	5,264	-2.3%	529	539	-1.8%	10.29	10.23	0.6%
All Sectors	2,531,215	2,519,135	0.5%	265,019	264,231	0.3%	10.47	10.49	-0.2%

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

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

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

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

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

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

Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).

Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.

Note: Values are preliminary. Percentage change is calculated before rounding.

See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2015 and 2014

Total (All Sectors)											
							Year-to-Date				
	Receipts		Cost				Receipts		Cost		
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)		
Fuel	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2014
Coal (1000 tons)	70,997	74,999	43.22	46.10	307	332	516,365	550,729	43.61	46.12	
Petroleum Liquids (1000 barrels)	1,523	1,503	72.77	125.49	168	166	16,046	18,639	76.88	130.27	
Petroleum Coke (1000 tons)	396	439	52.86	55.68	11	12	3,147	3,296	55.31	56.99	
Natural Gas (1000 Mcf)	1,029,798	915,459	3.21	4.24	774	766	6,554,304	5,624,466	3.55	5.51	

Electric Utilities											
							Year-to-Date				
	Receipts		Cost				Receipts		Cost		
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)		
Fuel	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2014
Coal (1000 tons)	53,057	55,193	44.06	47.56	218	236	388,389	397,983	44.30	47.14	
Petroleum Liquids (1000 barrels)	942	1,124	71.05	126.42	108	115	10,064	10,695	75.40	130.53	
Petroleum Coke (1000 tons)	342	365	50.54	52.89	9	8	2,655	2,824	53.13	55.40	
Natural Gas (1000 Mcf)	465,398	395,736	3.57	4.59	407	392	2,922,394	2,438,859	3.82	5.56	

Independent Power Producers											
							Year-to-Date				
	Receipts		Cost				Receipts		Cost		
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)		
Fuel	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2014
Coal (1000 tons)	17,230	19,006	39.81	40.73	67	73	122,269	146,628	40.44	42.42	
Petroleum Liquids (1000 barrels)	560	361	75.45	W	50	43	5,465	7,724	79.25	130.35	
Petroleum Coke (1000 tons)	45	49	W	W	1	2	336	335	68.22	W	
Natural Gas (1000 Mcf)	500,428	458,695	2.80	3.88	320	327	3,163,894	2,717,012	3.30	5.58	

Commercial Sector											
							Year-to-Date				
	Receipts		Cost				Receipts		Cost		
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)		
Fuel	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2014
Coal (1000 tons)	8	7	W	W	2	2	80	114	W	W	
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--	
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--	
Natural Gas (1000 Mcf)	680	619	W	W	2	2	3,905	3,487	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	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2014
Coal (1000 tons)	703	794	W	W	20	21	5,627	6,004	W	W	
Petroleum Liquids (1000 barrels)	21	18	79.74	W	10	8	516	220	82.66	115.21	
Petroleum Coke (1000 tons)	9	24	W	W	1	2	156	136	W	W	
Natural Gas (1000 Mcf)	63,292	60,408	W	W	45	45	464,111	465,107	W	W	

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

Number of Plants represents the number of plants for which receipts data were collected this month.

.... A plant using more than one fuel may be counted multiple times.

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

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

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2015 and 2014

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				Receipts		Cost	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Coal	1,375,086	1,460,347	2.23	2.37	307	332	10,006,238	10,747,868	2.25	2.36
Petroleum Liquids	9,195	9,143	12.05	20.63	168	166	97,174	112,516	12.68	21.57
Petroleum Coke	11,327	12,517	1.85	1.95	11	12	89,337	93,587	1.95	2.01
Natural Gas	1,064,578	943,735	3.10	4.12	774	766	6,776,411	5,783,042	3.43	5.36
Fossil Fuels	2,460,186	2,425,743	2.62	3.07	966	967	16,969,159	16,737,012	2.75	3.45

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				Receipts		Cost	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Coal	1,035,250	1,090,914	2.26	2.41	218	236	7,585,548	7,861,190	2.27	2.39
Petroleum Liquids	5,703	6,888	11.73	20.62	108	115	61,302	64,751	12.38	21.56
Petroleum Coke	9,787	10,451	1.76	1.85	9	8	75,573	80,336	1.87	1.95
Natural Gas	481,069	407,404	3.45	4.46	407	392	3,019,650	2,502,679	3.70	5.42
Fossil Fuels	1,531,808	1,515,657	2.66	3.03	542	534	10,742,073	10,508,955	2.72	3.22

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				Receipts		Cost	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Coal	323,784	351,259	2.12	2.20	67	73	2,291,441	2,748,521	2.16	2.26
Petroleum Liquids	3,366	2,146	12.56	W	50	43	32,725	46,407	13.21	21.67
Petroleum Coke	1,289	1,401	W	W	1	2	9,440	9,428	2.43	W
Natural Gas	517,420	473,204	2.71	3.76	320	327	3,272,745	2,796,781	3.20	5.42
Fossil Fuels	845,858	828,009	W	W	372	383	5,606,350	5,601,137	W	W

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				Receipts		Cost	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Coal	187	159	W	W	2	2	1,620	2,635	W	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	694	624	W	W	2	2	3,971	3,520	W	W
Fossil Fuels	881	783	W	W	3	2	5,591	6,155	W	W

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				Receipts		Cost	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
Coal	15,865	18,015	W	W	20	21	127,628	135,522	W	W
Petroleum Liquids	127	110	13.09	W	10	8	3,147	1,358	13.55	18.66
Petroleum Coke	251	666	W	W	1	2	4,324	3,823	W	W
Natural Gas	65,396	62,503	W	W	45	45	480,045	480,061	W	W
Fossil Fuels	81,639	81,293	W	W	49	48	615,145	620,764	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-August 2015
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	87,329	-6,558	12,821	4,055,423
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	96,525	-6,558	12,974	4,064,702
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	105,238	-6,896	12,231	4,156,745
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	126,101	-6,288	11,804	4,119,388
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	144,279	-4,627	11,928	3,950,331
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-6,421	14,154	4,100,141
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	218,333	-4,950	13,787	4,047,765
2013	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	253,508	-4,681	13,588	4,065,964
2014	1,585,697	18,708	11,781	1,121,928	11,578	797,067	258,749	281,060	-6,209	12,576	4,092,935
Year 2013											
January	138,105	1,733	1,042	88,559	1,144	71,406	24,829	21,518	-465	1,098	348,967
February	123,547	1,130	867	80,283	968	61,483	20,418	20,330	-320	1,020	309,728
March	130,634	990	1,007	84,725	1,070	62,947	20,534	22,810	-462	1,143	325,399
April	111,835	995	891	78,036	1,020	56,767	25,097	23,961	-292	1,024	299,333
May	119,513	1,067	1,345	83,816	1,088	62,848	28,450	23,254	-334	1,110	322,156
June	138,283	1,035	1,307	99,615	1,048	66,430	27,384	20,954	-358	1,125	356,823
July	152,867	1,458	1,354	120,771	1,148	70,539	27,255	18,593	-340	1,201	394,846
August	149,426	1,076	1,372	121,156	1,143	71,344	21,633	17,382	-465	1,217	385,286
Sept	133,110	964	1,222	102,063	1,087	65,799	16,961	18,991	-439	1,182	340,941
October	120,996	945	1,074	88,587	1,072	63,184	17,199	21,058	-373	1,185	314,925
November	120,940	989	850	84,287	1,060	64,975	17,677	23,030	-413	1,143	314,540
December	141,860	1,438	1,013	92,936	1,006	71,294	21,128	21,626	-421	1,141	353,021
Year 2014											
January	157,316	6,041	1,181	90,926	943	73,064	21,636	25,705	-290	1,009	377,531
February	143,638	1,866	941	75,449	760	62,639	17,449	20,955	-445	877	324,128
March	136,781	2,083	1,215	77,950	847	62,397	24,219	26,005	-421	1,036	332,111
April	109,591	910	811	76,728	784	56,385	25,053	26,776	-378	993	297,653
May	119,033	976	1,056	88,514	936	62,947	26,406	23,994	-636	1,071	324,299
June	138,060	921	1,113	98,441	962	68,138	25,814	24,526	-653	1,069	358,392
July	150,007	1,024	1,028	114,582	1,069	71,940	24,260	21,059	-545	1,108	385,533
August	148,882	1,065	1,009	121,849	1,064	71,129	19,757	19,141	-840	1,136	384,192
Sept	126,484	963	951	106,295	1,104	67,535	15,933	19,994	-542	1,070	339,788
October	111,838	923	580	97,125	1,034	62,391	17,088	22,969	-448	1,059	314,560
November	119,351	988	753	83,990	1,012	65,140	18,712	27,228	-531	1,045	317,689
December	124,715	948	1,143	90,077	1,061	73,363	22,420	22,708	-480	1,103	337,059
Year 2015											
January	132,742	1,953	1,039	101,330	1,086	74,270	24,459	23,448	-528	1,063	360,863
February	127,087	5,237	1,115	91,013	1,020	63,462	22,590	22,830	-416	915	334,851
March	108,642	1,082	734	98,889	951	64,547	24,696	24,106	-358	959	324,248
April	88,835	922	806	92,516	915	59,757	22,468	26,584	-208	1,030	293,627
May	104,857	1,031	928	101,148	1,011	65,833	20,102	26,252	-357	1,103	321,906
June	126,276	1,034	817	120,481	1,079	68,546	20,002	22,733	-374	1,104	361,698
July	139,413	1,215	1,145	139,997	1,202	71,412	21,029	23,540	-607	1,174	399,620
August	135,430	1,116	1,074	138,243	1,172	72,415	19,320	22,960	-623	1,191	392,298
Year to Date											
2013	1,064,208	9,483	9,185	756,962	8,628	523,765	195,601	168,803	-3,036	8,937	2,742,537
2014	1,103,307	14,886	8,354	744,440	7,366	528,639	184,595	188,161	-4,208	8,299	2,783,839
2015	963,281	13,591	7,660	883,614	8,436	540,243	174,665	192,451	-3,370	8,540	2,789,111
Rolling 12 Months Ending in August											
2014	1,620,214	19,222	12,513	1,112,314	11,591	793,891	257,560	272,866	-5,853	12,949	4,107,267
2015	1,445,671	17,413	11,087	1,261,102	12,647	808,671	248,819	285,351	-5,371	12,817	4,098,206

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

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

Period	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Sources
Annual Totals										
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073
2014	181,791	15,874	2,447	43,050	10,966	7,388	2,915	16,628	258,749	539,809
Year 2013										
January	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347
February	14,076	387	45	3,083	782	507	213	1,236	20,418	40,749
March	15,756	547	72	3,300	917	601	240	1,378	20,534	43,345
April	17,476	573	93	2,863	848	576	256	1,274	25,097	49,058
May	16,239	649	104	3,174	923	620	238	1,308	28,450	51,704
June	13,748	749	122	3,330	890	617	221	1,278	27,384	48,338
July	11,094	743	85	3,536	911	640	246	1,337	27,255	45,847
August	9,634	845	99	3,634	962	628	258	1,322	21,633	39,015
Sept	11,674	874	75	3,353	884	597	235	1,299	16,961	35,952
October	13,635	875	112	3,341	863	606	262	1,363	17,199	38,256
November	15,803	775	49	3,407	888	594	283	1,230	17,677	40,707
December	13,967	804	46	3,606	920	621	296	1,366	21,128	42,754
Year 2014										
January	18,017	762	54	3,701	895	584	273	1,419	21,636	47,341
February	13,976	813	83	3,327	766	499	218	1,272	17,449	38,404
March	17,753	1,230	182	3,637	936	626	240	1,400	24,219	50,224
April	18,731	1,406	227	3,251	927	614	242	1,378	25,053	51,829
May	15,519	1,583	293	3,418	920	634	228	1,401	26,406	50,400
June	15,688	1,689	347	3,675	920	623	224	1,360	25,814	50,340
July	12,105	1,581	263	3,838	976	664	247	1,384	24,260	45,319
August	10,197	1,652	262	3,784	967	665	232	1,382	19,757	38,898
Sept	11,479	1,613	259	3,525	908	622	221	1,368	15,933	35,927
October	14,575	1,446	233	3,508	918	616	274	1,397	17,088	40,057
November	19,055	1,209	148	3,594	912	624	262	1,424	18,712	45,940
December	14,696	890	95	3,793	921	617	254	1,443	22,420	45,129
Year 2015										
January	15,258	1,114	59	3,752	935	609	274	1,448	24,459	47,907
February	14,964	1,470	163	3,379	777	512	233	1,330	22,590	45,419
March	15,361	1,934	287	3,437	841	549	251	1,447	24,696	48,802
April	17,835	2,194	374	3,168	869	586	215	1,344	22,468	49,052
May	17,060	2,318	347	3,321	902	619	238	1,447	20,102	46,353
June	13,398	2,382	383	3,475	891	617	215	1,373	20,002	42,735
July	13,632	2,431	383	3,817	939	672	239	1,428	21,029	44,569
August	13,040	2,484	395	3,809	923	658	233	1,417	19,320	42,279
Year to Date										
2013	112,760	4,793	632	26,320	7,103	4,768	1,910	10,516	195,601	364,403
2014	121,986	10,716	1,712	28,630	7,307	4,909	1,904	10,996	184,595	372,756
2015	120,548	16,326	2,393	28,157	7,075	4,821	1,899	11,233	174,665	367,116
Rolling 12-Month Ending in August										
2014	177,066	14,045	1,994	42,338	10,862	7,327	2,980	16,255	257,560	530,426
2015	180,353	21,484	3,128	42,576	10,734	7,300	2,910	16,865	248,819	534,169

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.

Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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Table 1.2. Net Generation by Energy Source: Electric Utilities, 2005-August 2015
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	4,945	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	6,588	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	8,953	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	11,308	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	28,017	-4,202	603	2,339,172
2013	1,188,452	9,446	9,522	501,427	798	406,114	243,040	32,417	-3,773	615	2,388,058
2014	1,199,986	11,133	9,059	477,417	92	419,773	234,788	34,359	-5,179	472	2,381,901
Year 2013											
January	103,536	1,018	700	39,880	71	36,748	22,563	2,966	-404	45	207,123
February	91,384	723	616	36,248	63	31,144	18,316	2,704	-270	47	180,975
March	97,675	755	687	37,661	59	31,426	18,349	2,846	-382	54	189,129
April	84,352	744	574	33,545	38	28,991	22,654	3,053	-232	42	173,761
May	90,053	785	1,035	36,891	61	32,977	25,924	2,836	-260	52	190,354
June	104,679	751	966	45,152	68	34,504	24,686	2,446	-261	43	213,033
July	114,402	950	976	52,966	66	36,733	24,705	2,245	-238	62	232,867
August	113,917	794	952	55,077	76	37,177	19,864	2,057	-417	60	229,557
Sept	99,056	664	905	45,845	75	34,459	15,422	2,591	-347	49	198,719
October	91,694	699	759	39,850	61	31,605	15,619	2,682	-307	51	182,713
November	92,146	731	609	36,703	78	32,939	15,975	3,085	-331	56	181,991
December	105,558	832	743	41,610	81	37,412	18,964	2,907	-326	55	207,837
Year 2014											
January	118,756	2,540	949	39,048	12	38,748	19,221	3,380	-218	30	222,467
February	106,949	1,077	706	31,214	7	32,937	15,644	2,736	-361	18	190,928
March	101,101	1,059	953	33,165	7	32,612	22,169	3,381	-355	41	194,132
April	80,172	715	572	32,854	18	30,312	22,652	3,394	-301	37	170,426
May	90,887	743	825	40,037	10	33,760	23,871	2,758	-541	42	192,393
June	106,951	672	885	42,573	3	35,898	23,625	2,762	-557	49	212,861
July	115,276	747	782	48,294	4	38,031	22,294	2,384	-445	52	227,419
August	114,968	759	770	52,289	4	37,182	17,991	2,017	-740	43	225,282
Sept	96,050	760	712	44,127	3	35,296	14,524	2,342	-461	40	193,394
October	84,811	681	456	40,176	3	32,017	15,434	2,914	-351	31	176,172
November	88,975	683	572	35,311	7	34,552	17,102	3,526	-441	45	180,332
December	95,090	698	879	38,330	13	38,428	20,259	2,764	-409	43	196,094
Year 2015											
January	99,479	1,170	804	43,606	24	39,377	22,308	3,092	-436	43	209,464
February	95,374	2,051	869	40,691	22	33,478	20,883	2,921	-347	40	195,982
March	82,595	702	502	43,729	20	33,328	22,434	3,190	-266	20	186,254
April	69,263	711	561	41,343	20	31,053	19,924	3,258	-146	39	166,025
May	81,574	724	691	44,824	19	35,089	18,286	3,149	-279	38	184,116
June	96,774	786	604	54,548	15	35,150	17,943	2,440	-276	35	208,019
July	105,950	871	898	64,232	12	37,055	18,970	2,731	-406	56	230,370
August	101,835	824	827	62,798	18	38,482	17,906	2,767	-510	57	225,005
Year to Date											
2013	799,998	6,520	6,507	337,418	502	269,699	177,060	21,152	-2,463	405	1,616,799
2014	835,059	8,312	6,441	319,474	65	279,481	167,468	22,813	-3,518	312	1,635,908
2015	732,844	7,839	5,755	395,772	150	283,012	158,653	23,548	-2,665	328	1,605,236
Rolling 12 Months Ending in August											
2014	1,223,514	11,238	9,457	483,482	361	415,896	233,448	34,078	-4,828	522	2,407,167
2015	1,097,771	10,660	8,373	553,716	177	423,304	225,973	35,093	-4,326	488	2,351,229

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2005-August 2015
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	51,708	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	59,345	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	65,751	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	85,776	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	160,064	-748	7,030	1,551,186
2013	379,270	3,761	1,780	527,522	3,524	382,902	22,018	189,045	-908	6,742	1,515,657
2014	371,882	6,732	1,408	551,976	3,852	377,295	21,221	213,991	-1,030	6,740	1,554,067
Year 2013											
January	33,416	635	149	40,509	313	34,658	1,938	15,836	-61	545	127,938
February	31,100	346	132	36,722	261	30,340	1,736	15,140	-50	497	116,224
March	31,794	187	151	39,104	259	31,522	1,878	17,310	-80	574	122,699
April	26,434	206	144	37,081	284	27,776	2,189	18,463	-60	528	113,045
May	28,327	228	101	39,353	306	29,871	2,194	17,795	-74	574	118,674
June	32,481	241	141	46,520	280	31,926	2,365	15,810	-97	586	130,253
July	37,252	460	167	58,993	315	33,807	2,224	13,523	-103	605	147,241
August	34,371	239	211	57,526	300	34,167	1,525	12,505	-47	587	141,386
Sept	32,990	262	141	48,349	298	31,340	1,297	13,773	-92	561	128,919
October	28,248	202	149	41,022	343	31,578	1,339	15,695	-66	558	119,069
November	27,712	212	144	39,663	289	32,037	1,494	17,275	-82	554	119,297
December	35,144	544	151	42,679	274	33,881	1,839	15,919	-95	574	130,911
Year 2014											
January	37,261	3,280	110	43,590	318	34,316	2,056	19,544	-72	538	140,941
February	35,493	689	123	36,915	252	29,702	1,547	15,730	-84	472	120,838
March	34,439	917	130	36,867	258	29,785	1,833	19,873	-66	587	124,624
April	28,382	163	142	36,595	232	26,072	2,209	20,694	-77	528	114,941
May	27,050	192	126	41,279	352	29,187	2,327	18,500	-95	575	119,493
June	29,909	199	107	48,415	320	32,240	1,983	18,999	-96	570	132,647
July	33,485	233	127	58,202	335	33,909	1,783	15,758	-100	594	144,326
August	32,728	249	121	61,449	358	33,946	1,552	14,299	-101	597	145,198
Sept	29,301	157	144	54,485	363	32,238	1,213	15,009	-81	557	133,385
October	25,997	205	51	49,653	375	30,374	1,424	17,413	-97	569	125,963
November	29,323	245	88	40,990	337	30,589	1,374	21,050	-90	578	124,483
December	28,515	203	139	43,535	352	34,935	1,919	17,122	-71	576	127,227
Year 2015											
January	32,201	682	129	49,491	350	34,893	1,881	17,545	-92	566	137,647
February	30,669	3,008	133	43,256	381	29,984	1,483	17,417	-69	479	126,739
March	24,966	306	143	47,919	380	31,218	2,007	18,285	-92	497	125,629
April	18,708	165	140	44,407	324	28,705	2,299	20,753	-62	521	115,960
May	22,302	249	145	48,822	288	30,743	1,696	20,506	-78	554	125,227
June	28,441	192	139	58,151	273	33,396	1,953	17,648	-98	554	140,650
July	32,333	292	140	67,413	286	34,357	1,941	17,972	-101	580	155,212
August	32,452	241	143	67,182	320	33,933	1,330	17,440	-113	583	153,511
Year to Date											
2013	255,175	2,541	1,196	355,809	2,321	254,066	16,050	126,381	-573	4,496	1,017,461
2014	258,746	5,922	986	363,312	2,425	249,158	15,292	143,397	-691	4,461	1,043,009
2015	222,071	5,135	1,111	426,641	2,601	257,230	14,590	147,566	-705	4,334	1,080,575
Rolling 12 Months Ending in August											
2014	382,841	7,142	1,571	535,025	3,628	377,995	21,261	206,061	-1,025	6,707	1,541,205
2015	335,207	5,944	1,533	615,305	4,029	385,367	20,519	218,160	-1,044	6,613	1,591,633

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

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Table 1.4. Net Generation by Energy Source: Commercial Sector, 2005-August 2015
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2005	1,353	368	7	4,249	0	0	86	1,673	0	756	8,492
2006	1,310	228	7	4,355	0	0	93	1,619	0	758	8,371
2007	1,371	180	9	4,257	0	0	77	1,614	0	764	8,273
2008	1,261	136	6	4,188	0	0	60	1,555	0	720	7,926
2009	1,096	157	5	4,225	0	0	71	1,769	0	842	8,165
2010	1,111	117	7	4,725	3	0	80	1,714	0	834	8,592
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	839	118	5	7,154	0	0	44	2,956	0	1,118	12,234
2014	750	248	9	7,227	0	0	42	3,218	0	1,212	12,706
Year 2013											
January	89	19	1	562	0	0	4	222	0	85	981
February	81	14	1	512	0	0	4	202	0	74	888
March	78	7	1	574	0	0	4	241	0	90	995
April	63	7	0	541	0	0	4	235	0	95	946
May	69	8	0	546	0	0	5	256	0	97	981
June	75	7	0	593	0	0	5	253	0	93	1,028
July	76	13	0	779	0	0	5	263	0	100	1,236
August	71	7	1	697	0	0	4	267	0	101	1,147
Sept	60	6	1	652	0	0	3	252	0	99	1,073
October	49	7	1	550	0	0	2	258	0	96	961
November	60	8	0	525	0	0	2	248	0	92	936
December	68	16	1	623	0	0	3	259	0	95	1,064
Year 2014											
January	97	NM	1	638	0	0	NM	263	0	94	1,202
February	95	NM	1	579	0	0	NM	222	0	79	1,009
March	82	NM	1	582	0	0	NM	267	0	96	1,066
April	60	9	1	538	0	0	NM	277	0	103	992
May	52	9	0	548	0	0	NM	273	0	102	988
June	62	8	0	584	0	0	NM	285	0	103	1,045
July	64	9	0	653	0	0	NM	297	0	112	1,139
August	50	NM	1	679	0	0	NM	293	0	115	1,150
Sept	45	8	1	634	0	0	NM	274	0	109	1,073
October	32	8	1	616	0	0	NM	264	0	102	1,027
November	51	9	1	574	0	0	NM	251	0	97	986
December	59	11	1	601	0	0	NM	253	0	101	1,030
Year 2015											
January	57	NM	1	605	0	0	NM	260	0	94	1,050
February	74	NM	1	532	0	0	NM	242	0	84	1,025
March	66	12	1	605	0	0	NM	281	0	95	1,064
April	48	8	1	523	0	0	NM	280	0	100	963
May	47	11	0	657	0	0	NM	298	0	105	1,120
June	48	11	0	625	0	0	NM	284	0	105	1,075
July	44	13	0	700	0	0	NM	299	0	109	1,168
August	37	NM	1	719	0	0	NM	284	0	110	1,166
Year to Date											
2013	602	82	3	4,804	0	0	34	1,939	0	736	8,200
2014	563	212	5	4,801	0	0	NM	2,176	0	803	8,590
2015	419	185	5	4,966	0	0	NM	2,228	0	801	8,630
Rolling 12 Months Ending in August											
2014	800	NM	7	7,151	0	0	NM	3,193	0	1,184	12,623
2015	607	NM	9	7,392	0	0	NM	3,270	0	1,211	12,747

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.5. Net Generation by Energy Source: Industrial Sector, 2005-August 2015
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	29,003	0	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	28,972	0	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	28,919	0	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	27,462	0	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	26,033	0	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	0	1,668	26,576	0	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	0	1,799	27,619	0	5,541	141,875
2012	12,603	563	2,359	86,500	8,913	0	2,353	27,707	0	5,108	146,107
2013	12,554	495	2,036	88,733	8,531	0	3,463	29,091	0	5,113	150,015
2014	13,078	594	1,305	85,307	7,634	0	2,698	29,492	0	4,152	144,261
Year 2013											
January	1,064	61	192	7,608	759	0	324	2,494	0	423	12,924
February	983	47	118	6,801	644	0	363	2,285	0	402	11,642
March	1,086	42	169	7,387	752	0	302	2,413	0	425	12,576
April	986	37	173	6,869	698	0	250	2,210	0	358	11,580
May	1,063	46	209	7,025	721	0	328	2,367	0	387	12,147
June	1,048	36	201	7,351	699	0	328	2,445	0	402	12,511
July	1,138	36	211	8,033	767	0	320	2,563	0	434	13,502
August	1,066	36	208	7,856	767	0	240	2,553	0	468	13,195
Sept	1,004	33	175	7,218	714	0	239	2,375	0	473	12,230
October	1,005	37	166	7,165	667	0	239	2,423	0	481	12,182
November	1,022	37	98	7,395	694	0	206	2,422	0	442	12,317
December	1,089	47	118	8,025	650	0	322	2,541	0	417	13,210
Year 2014											
January	1,202	117	122	7,650	613	0	354	2,517	0	347	12,921
February	1,101	70	110	6,741	502	0	255	2,267	0	308	11,354
March	1,159	74	131	7,336	582	0	212	2,484	0	312	12,290
April	978	NM	97	6,741	534	0	187	2,411	0	324	11,294
May	1,044	32	105	6,650	575	0	203	2,463	0	352	11,425
June	1,138	41	121	6,869	638	0	203	2,480	0	347	11,839
July	1,182	35	119	7,433	730	0	179	2,620	0	350	12,649
August	1,136	48	117	7,432	702	0	211	2,532	0	382	12,561
Sept	1,088	38	95	7,050	738	0	193	2,369	0	365	11,935
October	998	30	72	6,679	656	0	228	2,378	0	357	11,397
November	1,002	51	92	7,115	668	0	233	2,402	0	325	11,887
December	1,051	37	124	7,611	695	0	240	2,569	0	382	12,708
Year 2015											
January	1,005	71	105	7,628	713	0	266	2,552	0	361	12,702
February	970	89	112	6,534	617	0	221	2,250	0	313	11,104
March	1,015	62	89	6,635	551	0	252	2,351	0	347	11,302
April	817	38	105	6,243	571	0	242	2,293	0	371	10,679
May	934	47	93	6,844	703	0	118	2,299	0	406	11,444
June	1,014	46	74	7,157	791	0	102	2,360	0	410	11,955
July	1,087	39	107	7,652	903	0	115	2,538	0	429	12,870
August	1,106	40	103	7,543	834	0	82	2,468	0	440	12,616
Year to Date											
2013	8,434	340	1,480	58,930	5,806	0	2,456	19,330	0	3,300	100,077
2014	8,939	439	923	56,853	4,877	0	1,805	19,774	0	2,723	96,333
2015	7,947	432	789	56,235	5,684	0	1,397	19,109	0	3,077	94,670
Rolling 12 Months Ending in August											
2014	13,059	NM	1,479	86,656	7,602	0	2,812	29,535	0	4,536	146,271
2015	12,086	587	1,172	84,689	8,441	0	2,290	28,828	0	4,506	142,598

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	11,130	10,279	8.3%	267	174	10,446	9,595	NM	111	304	400
Connecticut	3,426	3,270	4.8%	NM	NM	3,336	3,170	NM	NM	NM	61
Maine	980	1,088	-10.0%	NM	NM	736	753	NM	21	223	314
Massachusetts	3,772	2,926	28.9%	121	65	3,581	2,796	NM	43	NM	NM
New Hampshire	1,841	1,643	12.0%	69	43	1,764	1,591	NM	NM	NM	NM
Rhode Island	948	766	23.8%	NM	1	941	759	NM	NM	0	0
Vermont	163	586	-72.2%	73	61	89	525	NM	NM	0	0
Middle Atlantic	40,765	37,790	7.9%	3,528	3,131	36,624	34,057	221	203	392	399
New Jersey	6,980	6,479	7.7%	-2	-11	6,855	6,376	NM	60	NM	55
New York	13,396	12,018	11.5%	3,522	3,091	9,674	8,738	120	106	79	84
Pennsylvania	20,389	19,293	5.7%	NM	52	20,094	18,943	NM	38	251	261
East North Central	54,956	56,556	-2.8%	25,772	30,537	28,049	24,898	210	198	926	923
Illinois	17,250	17,735	-2.7%	895	1,036	16,044	16,392	NM	55	255	251
Indiana	9,684	10,478	-7.6%	8,453	9,277	875	878	NM	22	329	301
Michigan	10,362	10,091	2.7%	7,900	8,183	2,248	1,698	92	90	122	120
Ohio	11,442	12,298	-7.0%	3,543	7,643	7,801	4,554	NM	NM	76	80
Wisconsin	6,217	5,954	4.4%	4,981	4,398	1,080	1,375	12	9	144	172
West North Central	30,174	31,095	-3.0%	26,622	28,341	3,094	2,314	53	51	404	390
Iowa	4,993	4,927	1.3%	3,890	4,050	880	669	18	19	205	189
Kansas	4,321	4,794	-9.9%	3,658	4,097	644	680	0	0	NM	NM
Minnesota	4,946	4,912	0.7%	4,102	4,421	698	348	17	13	129	131
Missouri	8,157	8,844	-7.8%	7,830	8,604	306	218	17	18	NM	NM
Nebraska	3,712	3,677	0.9%	3,479	3,525	198	115	NM	NM	33	35
North Dakota	3,079	2,989	3.0%	2,832	2,782	233	193	NM	NM	14	14
South Dakota	967	952	1.5%	831	861	135	91	NM	NM	0	0
South Atlantic	76,594	73,161	4.7%	64,022	60,006	10,830	11,489	138	131	1,604	1,535
Delaware	828	785	5.5%	NM	NM	709	680	NM	NM	111	100
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	22,854	23,354	-2.1%	21,006	21,202	1,377	1,708	NM	NM	464	437
Georgia	12,915	12,298	5.0%	10,617	10,358	1,885	1,559	NM	NM	410	379
Maryland	3,108	2,878	8.0%	NM	3	3,031	2,790	NM	56	NM	28
North Carolina	12,632	11,763	7.4%	11,541	10,331	926	1,255	20	16	145	161
South Carolina	8,973	8,461	6.1%	8,638	8,213	175	95	NM	NM	158	151
Virginia	8,547	7,043	21.3%	6,940	5,868	1,349	957	42	41	215	178
West Virginia	6,732	6,572	2.4%	5,270	4,027	1,379	2,445	0	0	84	101
East South Central	35,156	35,605	-1.3%	29,597	30,012	4,772	4,675	NM	NM	769	898
Alabama	14,292	13,877	3.0%	10,094	9,827	3,836	3,693	0	0	362	357
Kentucky	7,138	8,392	-14.9%	7,007	8,338	86	6	0	0	NM	48
Mississippi	6,182	5,678	8.9%	5,187	4,460	831	965	NM	NM	162	251
Tennessee	7,544	7,657	-1.5%	7,309	7,387	19	11	NM	NM	200	241
West South Central	70,067	68,867	1.7%	26,334	25,973	37,110	36,634	103	101	6,520	6,160
Arkansas	5,813	5,902	-1.5%	4,111	4,520	1,561	1,230	NM	NM	140	151
Louisiana	10,370	10,429	-0.6%	6,674	5,848	1,010	2,135	NM	NM	2,669	2,429
Oklahoma	7,514	7,327	2.5%	4,855	5,154	2,579	2,092	NM	NM	75	78
Texas	46,371	45,210	2.6%	10,694	10,451	31,960	31,177	82	80	3,635	3,502
Mountain	37,064	35,863	3.4%	29,320	27,815	7,403	7,740	44	40	296	268
Arizona	12,571	11,936	5.3%	9,711	9,239	2,847	2,683	13	13	0	0
Colorado	4,983	4,799	3.8%	4,136	3,955	839	836	NM	NM	NM	NM
Idaho	1,338	1,348	-0.7%	899	921	405	388	0	0	34	39
Montana	2,315	2,599	-10.9%	646	579	1,668	2,020	0	0	NM	NM
Nevada	4,199	3,697	13.6%	3,440	2,668	736	1,012	16	10	NM	NM
New Mexico	3,154	2,851	10.6%	2,611	2,393	537	452	NM	NM	NM	NM
Utah	3,960	4,209	-5.9%	3,637	3,904	189	179	NM	NM	127	119
Wyoming	4,544	4,424	2.7%	4,241	4,156	181	171	0	0	122	97
Pacific Contiguous	35,000	33,607	4.1%	18,609	18,385	14,817	13,442	219	245	1,355	1,536
California	20,840	19,360	7.6%	7,480	7,041	11,966	10,738	209	236	1,186	1,345
Oregon	4,652	4,623	0.6%	2,993	3,153	1,602	1,402	NM	7	48	61
Washington	9,507	9,624	-1.2%	8,136	8,190	1,249	1,302	NM	NM	120	130
Pacific Noncontiguous	1,391	1,369	1.6%	932	908	367	356	47	51	45	53
Alaska	454	494	-8.0%	410	451	21	20	13	13	10	9
Hawaii	937	875	7.0%	522	457	346	336	34	38	35	44
U.S. Total	392,298	384,192	2.1%	225,005	225,282	153,511	145,198	1,166	1,150	12,616	12,561

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.6.B. Net Generation

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	76,753	75,930	1.1%	2,629	2,800	70,827	69,236	890	917	2,406	2,976
Connecticut	25,470	22,976	10.9%	NM	35	24,843	22,283	226	246	374	412
Maine	8,005	9,240	-13.4%	NM	NM	5,982	6,676	156	159	1,866	2,406
Massachusetts	22,108	21,783	1.5%	558	559	21,013	20,692	390	398	NM	135
New Hampshire	14,811	12,889	14.9%	1,426	1,620	13,307	11,183	NM	61	NM	NM
Rhode Island	4,988	4,203	18.7%	8	7	4,922	4,146	NM	NM	0	0
Vermont	1,371	4,839	-71.7%	609	579	759	4,257	NM	NM	0	0
Middle Atlantic	292,009	286,890	1.8%	23,966	23,506	263,543	258,859	1,577	1,487	2,923	3,039
New Jersey	49,689	44,672	11.2%	-21	-80	48,814	43,895	466	417	430	441
New York	93,690	91,760	2.1%	23,440	22,677	68,776	67,622	857	814	618	646
Pennsylvania	148,629	150,458	-1.2%	547	909	145,953	147,342	255	256	1,875	1,952
East North Central	412,368	422,198	-2.3%	203,358	224,763	200,719	189,271	1,497	1,391	6,794	6,772
Illinois	131,714	134,813	-2.3%	6,777	7,050	122,706	125,450	445	445	1,786	1,868
Indiana	72,615	80,329	-9.6%	62,288	70,988	7,975	7,187	164	150	2,188	2,005
Michigan	76,851	71,974	6.8%	56,879	57,053	18,365	13,359	652	589	955	972
Ohio	85,854	93,317	-8.0%	44,897	59,150	40,212	33,409	NM	133	606	624
Wisconsin	45,334	41,766	8.5%	32,517	30,522	11,461	9,866	96	74	1,260	1,304
West North Central	224,230	230,328	-2.6%	193,102	199,088	27,687	27,714	416	407	3,025	3,119
Iowa	39,397	38,451	2.5%	29,703	28,517	8,045	8,220	150	164	1,499	1,550
Kansas	31,165	33,968	-8.3%	24,838	27,166	6,224	6,724	0	0	104	78
Minnesota	38,136	38,059	0.2%	31,188	31,239	5,795	5,652	138	113	1,016	1,056
Missouri	58,041	62,081	-6.5%	56,175	60,457	1,712	1,457	117	118	NM	48
Nebraska	26,260	26,801	-2.0%	24,123	25,084	1,865	1,428	12	12	260	277
North Dakota	24,691	23,744	4.0%	22,016	20,837	2,565	2,798	NM	NM	110	109
South Dakota	6,540	7,223	-9.5%	5,059	5,788	1,481	1,436	NM	NM	0	0
South Atlantic	551,068	540,216	2.0%	453,159	442,518	84,539	84,358	988	944	12,383	12,396
Delaware	5,573	5,027	10.9%	NM	NM	4,723	4,494	NM	NM	810	503
District of Columbia	NM	44	NM	0	0	0	0	NM	44	0	0
Florida	161,057	157,220	2.4%	148,000	144,136	9,503	9,617	56	46	3,498	3,421
Georgia	90,467	87,141	3.8%	75,413	76,822	11,871	7,186	20	20	3,163	3,113
Maryland	26,071	26,942	-3.2%	26	29	25,459	26,292	391	376	195	244
North Carolina	91,145	89,152	2.2%	82,098	79,109	7,671	8,425	166	143	1,210	1,475
South Carolina	66,632	65,617	1.5%	64,239	63,331	1,192	922	NM	NM	1,189	1,355
Virginia	58,627	53,789	9.0%	47,384	43,576	9,425	8,363	295	303	1,523	1,546
West Virginia	51,452	55,286	-6.9%	35,963	35,487	14,694	19,058	0	0	795	741
East South Central	260,674	255,436	2.1%	218,236	220,892	35,752	27,110	NM	149	6,546	7,284
Alabama	103,373	101,521	1.8%	73,446	77,830	27,116	20,711	0	0	2,811	2,980
Kentucky	57,961	62,020	-6.5%	57,110	61,469	449	148	0	0	402	402
Mississippi	44,779	36,741	21.9%	35,115	28,634	8,035	6,148	NM	NM	1,615	1,944
Tennessee	54,561	55,155	-1.1%	52,566	52,960	152	103	NM	135	1,718	1,958
West South Central	469,373	458,726	2.3%	165,401	169,642	255,587	241,580	708	667	47,677	46,837
Arkansas	40,654	42,346	-4.0%	28,110	33,101	11,306	8,025	NM	NM	1,234	1,215
Louisiana	72,584	70,410	3.1%	41,510	35,362	12,110	16,323	124	125	18,841	18,601
Oklahoma	51,885	49,030	5.8%	34,027	33,703	17,339	14,740	NM	NM	495	571
Texas	304,249	296,940	2.5%	61,754	67,476	214,832	202,493	556	522	27,107	26,450
Mountain	248,755	250,620	-0.7%	195,026	195,913	51,480	52,427	306	312	1,943	1,967
Arizona	75,278	75,462	-0.2%	61,813	62,625	13,375	12,735	91	102	0	0
Colorado	34,976	36,522	-4.2%	27,594	28,052	7,320	8,401	26	31	36	38
Idaho	10,576	10,943	-3.4%	7,212	7,363	3,034	3,242	0	0	330	338
Montana	19,696	19,885	-1.0%	5,728	6,221	13,962	13,656	0	0	NM	NM
Nevada	25,868	24,186	7.0%	19,127	17,208	6,585	6,833	96	71	61	74
New Mexico	21,485	21,835	-1.6%	17,215	17,625	4,226	4,156	44	52	NM	NM
Utah	28,119	28,819	-2.4%	26,244	26,752	1,259	1,308	50	55	567	703
Wyoming	32,756	32,968	-0.6%	30,093	30,068	1,719	2,096	0	0	944	804
Pacific Contiguous	243,364	252,733	-3.7%	143,216	149,605	87,812	89,684	1,704	1,877	10,631	11,568
California	130,243	131,727	-1.1%	48,145	47,590	71,185	72,153	1,621	1,808	9,291	10,177
Oregon	38,578	40,185	-4.0%	27,847	30,188	10,258	9,508	64	55	410	434
Washington	74,543	80,821	-7.8%	67,224	71,827	6,370	8,022	NM	15	930	956
Pacific Noncontiguous	10,517	10,763	-2.3%	7,141	7,180	2,630	2,770	404	439	342	374
Alaska	3,962	4,094	-3.2%	3,570	3,687	168	160	150	182	73	66
Hawaii	6,556	6,669	-1.7%	3,571	3,493	2,461	2,610	254	257	269	308
U.S. Total	2,789,111	2,783,839	0.2%	1,605,236	1,635,908	1,080,575	1,043,009	8,630	8,590	94,670	96,333

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 1.7.A. Net Generation from Coal
by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)**

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	44	37	17.4%	10	2	30	31	0	0	NM	NM
Connecticut	-3	-2	22.8%	0	0	-3	-2	0	0	0	0
Maine	4	2	63.1%	0	0	4	1	0	0	1	1
Massachusetts	32	35	-7.8%	0	0	30	32	0	0	NM	NM
New Hampshire	10	2	367.4%	10	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	6,629	6,418	3.3%	NM	NM	6,554	6,338	NM	NM	73	76
New Jersey	104	185	-43.7%	0	0	104	185	0	0	0	0
New York	182	208	-12.8%	NM	NM	151	179	0	0	29	27
Pennsylvania	6,343	6,025	5.3%	0	0	6,299	5,975	NM	NM	44	49
East North Central	30,605	34,532	-11.4%	19,475	25,455	10,875	8,783	14	19	240	274
Illinois	7,235	8,189	-11.6%	761	949	6,315	7,078	NM	NM	156	161
Indiana	7,695	9,166	-16.0%	7,188	8,649	502	504	4	12	NM	NM
Michigan	5,046	5,442	-7.3%	4,986	5,380	40	37	6	6	14	19
Ohio	6,859	7,862	-12.8%	2,830	6,679	4,018	1,164	NM	NM	11	18
Wisconsin	3,768	3,873	-2.7%	3,711	3,798	0	0	NM	NM	58	75
West North Central	19,142	21,749	-12.0%	18,825	21,433	NM	NM	10	17	304	297
Iowa	3,144	3,658	-14.0%	2,943	3,467	0	0	10	11	192	180
Kansas	2,488	2,922	-14.9%	2,488	2,922	0	0	0	0	0	0
Minnesota	2,023	2,780	-27.2%	1,956	2,711	0	0	0	0	67	69
Missouri	6,409	7,297	-12.2%	6,404	7,286	NM	NM	0	5	NM	NM
Nebraska	2,384	2,459	-3.0%	2,351	2,424	0	0	0	0	33	35
North Dakota	2,486	2,423	2.6%	2,477	2,414	0	0	0	0	NM	NM
South Dakota	207	209	-1.2%	207	209	0	0	0	0	0	0
South Atlantic	24,944	25,812	-3.4%	22,042	21,795	2,723	3,825	NM	NM	175	190
Delaware	67	0	--	0	0	67	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,170	5,027	-17.1%	3,963	4,807	193	205	0	0	NM	NM
Georgia	4,393	4,401	-0.2%	4,376	4,371	0	0	0	0	17	30
Maryland	1,094	1,048	4.4%	0	0	1,084	1,038	NM	NM	10	10
North Carolina	4,706	4,360	7.9%	4,535	4,177	150	161	3	0	NM	NM
South Carolina	2,262	2,653	-14.7%	2,249	2,639	0	0	0	0	14	14
Virginia	1,845	1,977	-6.7%	1,710	1,822	89	120	NM	NM	45	34
West Virginia	6,405	6,346	0.9%	5,210	3,979	1,140	2,301	0	0	56	65
East South Central	15,370	17,465	-12.0%	14,953	17,070	315	305	0	NM	101	89
Alabama	4,464	4,867	-8.3%	4,455	4,855	0	0	0	0	NM	11
Kentucky	6,508	7,855	-17.1%	6,508	7,855	0	0	0	0	0	0
Mississippi	813	1,176	-30.9%	498	872	315	305	0	0	0	0
Tennessee	3,584	3,568	0.5%	3,492	3,488	0	0	0	NM	92	78
West South Central	19,989	22,979	-13.0%	10,436	12,333	9,511	10,600	0	0	43	46
Arkansas	2,258	3,156	-28.5%	1,807	2,792	447	361	0	0	4	4
Louisiana	1,615	2,145	-24.7%	1,072	1,128	543	1,017	0	0	0	0
Oklahoma	2,666	3,061	-12.9%	2,392	2,826	236	194	0	0	38	42
Texas	13,450	14,616	-8.0%	5,165	5,588	8,285	9,028	0	0	0	0
Mountain	17,513	18,464	-5.2%	15,699	16,486	1,680	1,854	0	0	134	124
Arizona	3,482	4,074	-14.5%	3,482	4,074	0	0	0	0	0	0
Colorado	3,065	3,231	-5.1%	3,055	3,220	NM	NM	0	0	NM	NM
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,505	1,624	-7.3%	NM	NM	1,478	1,595	0	0	NM	NM
Nevada	457	606	-24.6%	360	459	97	147	0	0	0	0
New Mexico	1,923	1,673	14.9%	1,923	1,673	0	0	0	0	0	0
Utah	2,939	3,187	-7.8%	2,820	3,075	36	NM	0	0	83	72
Wyoming	4,134	4,061	1.8%	4,032	3,956	NM	NM	0	0	42	42
Pacific Contiguous	1,009	1,250	-19.2%	367	377	612	840	0	0	30	32
California	35	111	-68.3%	0	0	NM	82	0	0	28	29
Oregon	367	377	-2.5%	367	377	0	0	0	0	0	0
Washington	607	762	-20.3%	0	0	605	759	0	0	2	3
Pacific Noncontiguous	186	176	5.8%	24	14	150	148	9	9	NM	NM
Alaska	50	41	22.0%	24	14	18	18	9	9	0	0
Hawaii	136	135	0.8%	0	0	132	131	0	0	NM	NM
U.S. Total	135,430	148,882	-9.0%	101,835	114,968	32,452	32,728	37	50	1,106	1,136

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.7.B. Net Generation from Coal

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	3,236	4,237	-23.6%	869	1,052	2,323	3,143	0	0	44	43
Connecticut	597	708	-15.7%	0	0	597	708	0	0	0	0
Maine	69	62	12.2%	0	0	46	40	0	0	24	22
Massachusetts	1,701	2,416	-29.6%	0	0	1,681	2,395	0	0	20	21
New Hampshire	869	1,052	-17.3%	869	1,052	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	52,102	63,641	-18.1%	NM	NM	51,533	63,004	NM	15	548	600
New Jersey	1,360	2,073	-34.4%	0	0	1,360	2,073	0	0	0	0
New York	1,990	3,894	-48.9%	NM	NM	1,775	3,666	0	0	202	206
Pennsylvania	48,752	57,674	-15.5%	0	0	48,399	57,266	NM	15	346	393
East North Central	222,478	253,875	-12.4%	156,950	186,306	63,468	65,176	118	194	1,942	2,199
Illinois	52,684	58,811	-10.4%	6,278	6,664	45,253	50,883	30	36	1,123	1,228
Indiana	55,586	68,604	-19.0%	51,960	65,039	3,581	3,472	35	78	NM	14
Michigan	36,239	36,741	-1.4%	35,761	36,199	297	290	50	74	131	178
Ohio	52,318	63,349	-17.4%	37,839	52,643	14,337	10,532	NM	NM	141	171
Wisconsin	25,650	26,370	-2.7%	25,113	25,760	0	0	NM	NM	536	608
West North Central	139,803	149,593	-6.5%	137,424	147,029	19	20	120	159	2,239	2,385
Iowa	22,588	22,907	-1.4%	21,116	21,344	0	0	83	108	1,389	1,455
Kansas	17,957	20,279	-11.5%	17,957	20,279	0	0	0	0	0	0
Minnesota	17,703	18,896	-6.3%	17,201	18,350	0	0	0	0	503	546
Missouri	45,541	50,976	-10.7%	45,457	50,864	19	20	38	51	27	41
Nebraska	16,467	16,851	-2.3%	16,212	16,576	0	0	0	0	255	275
North Dakota	18,818	17,832	5.5%	18,752	17,763	0	0	0	0	66	69
South Dakota	730	1,852	-60.6%	730	1,852	0	0	0	0	0	0
South Atlantic	179,586	208,078	-13.7%	151,700	171,649	26,645	34,834	50	30	1,190	1,565
Delaware	545	800	-31.8%	0	0	545	800	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29,435	35,412	-16.9%	28,480	34,227	858	1,058	0	0	97	127
Georgia	29,001	34,572	-16.1%	28,856	34,256	0	0	0	0	145	316
Maryland	10,977	13,229	-17.0%	0	0	10,886	13,110	NM	NM	87	115
North Carolina	31,988	36,086	-11.4%	31,085	34,771	760	1,130	41	20	103	164
South Carolina	16,915	20,538	-17.6%	16,804	20,405	0	0	0	0	111	133
Virginia	12,117	14,515	-16.5%	11,043	13,084	799	1,073	NM	NM	269	352
West Virginia	48,608	52,926	-8.2%	35,433	34,906	12,797	17,663	0	0	378	358
East South Central	109,845	125,573	-12.5%	106,879	122,688	2,177	2,007	NM	18	778	860
Alabama	29,253	33,975	-13.9%	29,167	33,870	0	0	0	0	86	105
Kentucky	51,979	56,866	-8.6%	51,979	56,866	0	0	0	0	0	0
Mississippi	5,187	8,168	-36.5%	3,010	6,161	2,177	2,007	0	0	0	0
Tennessee	23,426	26,564	-11.8%	22,724	25,791	0	0	NM	18	692	755
West South Central	128,248	160,293	-20.0%	67,173	86,174	60,830	73,791	0	0	245	328
Arkansas	15,822	23,208	-31.8%	12,860	20,867	2,925	2,301	0	0	37	41
Louisiana	10,870	13,214	-17.7%	6,027	5,152	4,844	8,062	0	0	0	0
Oklahoma	17,701	20,891	-15.3%	16,434	19,379	1,059	1,224	0	0	208	287
Texas	83,855	102,980	-18.6%	31,853	40,776	52,002	62,204	0	0	0	0
Mountain	122,887	130,241	-5.6%	110,695	118,226	11,504	11,309	0	0	688	706
Arizona	24,509	28,468	-13.9%	24,509	28,468	0	0	0	0	0	0
Colorado	21,893	22,641	-3.3%	21,844	22,568	NM	68	0	0	NM	NM
Idaho	60	63	-4.5%	0	0	0	0	0	0	60	63
Montana	10,401	9,790	6.2%	NM	190	10,206	9,592	0	0	NM	NM
Nevada	1,806	4,964	-63.6%	1,257	4,012	549	952	0	0	0	0
New Mexico	13,499	13,603	-0.8%	13,499	13,603	0	0	0	0	0	0
Utah	21,612	21,888	-1.3%	21,036	21,292	265	269	0	0	311	328
Wyoming	29,107	28,825	1.0%	28,361	28,093	439	428	0	0	307	303
Pacific Contiguous	3,819	6,387	-40.2%	995	1,785	2,573	4,378	0	0	251	224
California	268	585	-54.1%	0	0	41	388	0	0	227	196
Oregon	995	1,785	-44.3%	995	1,785	0	0	0	0	0	0
Washington	2,556	4,017	-36.4%	0	0	2,532	3,989	0	0	23	28
Pacific Noncontiguous	1,278	1,390	-8.1%	144	129	997	1,085	113	146	NM	30
Alaska	396	403	-1.6%	144	129	138	128	113	146	0	0
Hawaii	882	987	-10.7%	0	0	859	958	0	0	NM	30
U.S. Total	963,281	1,103,307	-12.7%	732,844	835,059	222,071	258,746	419	563	7,947	8,939

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
				August 2015	August 2014	August 2015	August 2014				
New England	32	42	-22.3%	6	3	21	33	NM	NM	NM	NM
Connecticut	8	10	-19.9%	NM	NM	7	9	NM	NM	NM	NM
Maine	6	12	-51.7%	NM	NM	5	11	NM	NM	NM	NM
Massachusetts	13	16	-19.4%	NM	1	10	13	NM	NM	NM	NM
New Hampshire	NM	NM	NM	3	1	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	1	0	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	71	61	18.1%	21	7	43	45	4	NM	NM	7
New Jersey	3	11	-76.3%	NM	NM	2	11	NM	NM	NM	NM
New York	46	28	63.3%	21	7	18	14	4	NM	2	6
Pennsylvania	23	21	9.9%	NM	NM	22	20	NM	NM	NM	NM
East North Central	48	60	-20.3%	33	46	12	13	NM	NM	2	NM
Illinois	5	7	-34.4%	2	2	3	5	NM	NM	0	0
Indiana	11	12	-3.5%	9	11	0	0	NM	NM	2	1
Michigan	13	13	1.5%	13	13	NM	0	0	0	NM	NM
Ohio	15	24	-38.7%	8	18	7	7	NM	NM	NM	NM
Wisconsin	4	4	-2.3%	2	3	2	1	NM	NM	NM	NM
West North Central	20	22	-9.0%	19	21	NM	NM	NM	NM	NM	NM
Iowa	3	3	-16.4%	2	3	NM	NM	NM	NM	NM	NM
Kansas	3	5	-41.2%	3	5	0	0	0	0	0	0
Minnesota	3	2	49.2%	2	1	NM	NM	NM	NM	NM	NM
Missouri	7	6	1.4%	7	6	0	0	NM	NM	0	0
Nebraska	2	3	-35.2%	2	3	0	0	0	0	0	0
North Dakota	1	2	-29.9%	1	2	0	0	NM	NM	NM	NM
South Dakota	2	NM	NM	2	NM	NM	NM	NM	NM	0	0
South Atlantic	148	138	7.0%	119	118	22	13	NM	NM	6	5
Delaware	5	0	NM	NM	NM	5	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29	40	-26.2%	27	38	NM	NM	0	0	NM	NM
Georgia	6	7	-14.2%	3	4	NM	NM	NM	NM	NM	2
Maryland	14	11	19.3%	NM	2	10	8	NM	NM	NM	NM
North Carolina	13	15	-18.1%	11	14	NM	NM	NM	NM	NM	NM
South Carolina	9	8	11.0%	7	6	NM	NM	NM	NM	1	1
Virginia	63	49	30.2%	57	45	6	3	NM	NM	NM	NM
West Virginia	11	9	21.7%	10	8	0	0	0	0	0	0
East South Central	26	23	13.9%	23	20	NM	NM	NM	NM	NM	NM
Alabama	6	5	8.5%	3	3	NM	NM	0	0	NM	NM
Kentucky	9	14	-34.1%	9	14	0	0	0	0	0	0
Mississippi	1	NM	NM	1	NM	0	0	0	0	0	0
Tennessee	10	3	270.7%	10	3	0	0	NM	NM	NM	NM
West South Central	11	13	-20.1%	6	5	4	7	NM	NM	NM	NM
Arkansas	3	3	-21.2%	2	0	0	2	0	0	0	0
Louisiana	1	4	-83.5%	0	1	0	2	0	0	0	0
Oklahoma	NM	1	NM	NM	1	0	0	NM	NM	NM	NM
Texas	7	6	28.6%	3	3	4	3	NM	NM	NM	NM
Mountain	17	20	-15.2%	16	18	1	2	NM	NM	NM	NM
Arizona	3	2	75.5%	3	2	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	1	2	-23.9%	NM	NM	1	1	0	0	0	0
Nevada	2	1	32.4%	2	1	0	0	0	0	0	0
New Mexico	5	7	-33.5%	5	7	0	NM	0	0	NM	NM
Utah	2	1	122.3%	2	1	NM	NM	0	0	NM	NM
Wyoming	3	6	-43.2%	3	6	0	0	0	0	NM	NM
Pacific Contiguous	8	8	3.8%	5	5	NM	2	NM	NM	1	NM
California	6	5	28.0%	4	4	NM	NM	NM	NM	NM	NM
Oregon	1	1	-15.8%	1	1	0	0	NM	NM	0	0
Washington	NM	2	NM	NM	NM	NM	1	NM	NM	NM	NM
Pacific Noncontiguous	735	678	8.4%	577	515	136	134	NM	NM	22	29
Alaska	81	68	19.4%	75	63	0	0	NM	NM	NM	5
Hawaii	654	611	7.1%	501	453	136	134	0	0	17	24
U.S. Total	1,116	1,065	4.8%	824	759	241	249	NM	NM	40	48

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.8.B. Net Generation from Petroleum Liquids

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities	Independent Power Producers			August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
New England	2,018	2,136	-5.5%	171	255	1,709	1,718	NM	120	NM	44
Connecticut	430	485	-11.4%	NM	NM	422	471	NM	NM	NM	NM
Maine	512	300	70.8%	NM	NM	474	258	NM	NM	34	37
Massachusetts	788	963	-18.2%	52	127	681	768	NM	NM	NM	NM
New Hampshire	176	290	-39.4%	103	105	52	162	NM	NM	NM	NM
Rhode Island	107	88	21.7%	8	7	80	59	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	2,536	3,074	-17.5%	766	867	1,667	2,094	NM	NM	69	73
New Jersey	285	467	-39.0%	NM	NM	280	454	NM	NM	NM	NM
New York	1,751	2,037	-14.0%	765	866	897	1,082	NM	NM	57	53
Pennsylvania	500	569	-12.2%	NM	NM	490	559	NM	NM	NM	NM
East North Central	423	573	-26.2%	326	404	77	151	NM	NM	18	16
Illinois	36	60	-40.1%	14	19	22	41	NM	NM	0	0
Indiana	120	112	6.6%	107	103	0	0	NM	NM	12	9
Michigan	86	96	-10.2%	83	93	NM	0	1	1	2	2
Ohio	161	270	-40.3%	106	161	51	105	NM	NM	NM	NM
Wisconsin	20	35	-42.5%	16	29	3	5	NM	NM	NM	NM
West North Central	209	263	-20.4%	201	249	NM	11	NM	NM	NM	2
Iowa	30	44	-31.2%	29	43	NM	NM	NM	NM	NM	NM
Kansas	36	36	-0.1%	36	36	0	0	0	0	0	0
Minnesota	24	51	-51.9%	18	38	NM	10	NM	NM	NM	1
Missouri	66	78	-15.3%	66	78	0	0	NM	NM	0	0
Nebraska	17	32	-47.5%	17	32	0	0	0	0	0	0
North Dakota	18	15	16.8%	17	15	0	0	NM	NM	NM	NM
South Dakota	17	6	182.7%	17	6	NM	NM	NM	NM	0	0
South Atlantic	2,508	3,007	-16.6%	1,835	2,063	552	820	NM	NM	82	82
Delaware	134	160	-16.3%	NM	NM	134	159	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	406	460	-11.8%	387	441	NM	NM	0	0	NM	NM
Georgia	134	144	-7.0%	57	81	47	30	NM	NM	29	31
Maryland	222	459	-51.6%	18	NM	166	397	NM	NM	NM	NM
North Carolina	349	381	-8.4%	309	336	23	30	NM	NM	17	NM
South Carolina	181	232	-22.1%	155	208	15	17	NM	NM	10	7
Virginia	981	1,058	-7.3%	817	886	153	159	NM	NM	NM	NM
West Virginia	102	112	-9.5%	91	89	10	23	0	0	0	0
East South Central	271	331	-18.3%	228	293	12	10	NM	NM	NM	NM
Alabama	80	96	-16.4%	40	59	12	10	0	0	NM	NM
Kentucky	77	90	-14.1%	77	90	0	0	0	0	0	0
Mississippi	12	NM	NM	11	NM	0	0	0	0	2	0
Tennessee	101	136	-25.4%	100	134	0	0	NM	NM	NM	NM
West South Central	190	129	47.5%	112	56	69	63	NM	NM	NM	NM
Arkansas	39	17	134.0%	27	9	7	5	0	0	5	2
Louisiana	64	33	96.3%	53	NM	11	19	0	0	0	4
Oklahoma	NM	9	NM	3	9	0	0	NM	NM	NM	NM
Texas	83	70	18.0%	29	29	51	38	NM	NM	NM	NM
Mountain	154	167	-7.3%	140	150	14	17	NM	NM	NM	NM
Arizona	32	43	-25.8%	32	43	0	0	NM	NM	0	0
Colorado	8	8	-1.9%	8	8	0	0	NM	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	12	15	-22.4%	NM	NM	10	13	0	0	0	0
Nevada	12	10	20.7%	10	9	2	1	0	0	0	0
New Mexico	50	48	4.8%	49	46	NM	NM	0	0	NM	NM
Utah	13	17	-22.6%	13	17	NM	NM	0	0	NM	NM
Wyoming	27	25	9.0%	27	25	0	0	0	0	NM	NM
Pacific Contiguous	82	54	51.9%	28	31	22	13	NM	NM	31	8
California	65	31	112.5%	23	21	17	6	NM	NM	25	NM
Oregon	NM	NM	NM	4	7	0	0	NM	NM	0	0
Washington	12	16	-22.5%	NM	NM	5	7	NM	NM	6	6
Pacific Noncontiguous	5,199	5,152	0.9%	4,032	3,946	1,009	1,025	4	4	154	178
Alaska	570	522	9.1%	534	488	0	0	2	2	34	32
Hawaii	4,629	4,630	0.0%	3,498	3,458	1,009	1,025	2	1	120	146
U.S. Total	13,591	14,886	-8.7%	7,839	8,312	5,135	5,922	185	212	432	439

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	327	283	15.8%	205	178	100	76	0	0	23	29
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	124	102	22.4%	124	102	0	0	0	0	0	0
Michigan	80	76	5.3%	70	65	1	3	0	0	NM	NM
Ohio	101	73	38.7%	0	0	99	72	0	0	NM	NM
Wisconsin	22	32	-31.7%	10	12	0	0	0	0	11	20
West North Central	NM	NM	NM	0	0	0	0	1	1	NM	NM
Iowa	NM	NM	NM	0	0	0	0	1	1	NM	NM
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	220	17	NM	207	0	0	0	0	0	14	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	207	0	--	207	0	0	0	0	0	0	0
Georgia	14	17	-20.3%	0	0	0	0	0	0	14	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	77	144	-46.9%	77	144	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	77	144	-46.9%	77	144	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	384	501	-23.3%	339	447	0	0	0	0	45	53
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	373	485	-23.0%	339	447	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	11	15	-30.8%	0	0	0	0	0	0	11	15
Mountain	42	43	-1.3%	0	0	42	43	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	42	43	-1.3%	0	0	42	43	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	3	NM	0	0	NM	3	0	0	0	0
California	NM	3	NM	0	0	NM	3	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,074	1,009	6.4%	827	770	143	121	1	1	103	117

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.9.B. Net Generation from Petroleum Coke

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 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	128	137	-6.8%	0	0	0	0	0	0	128	137
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	104	111	-7.0%	0	0	0	0	0	0	104	111
East North Central	2,197	2,348	-6.4%	1,247	1,406	785	733	0	0	165	210
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	726	872	-16.7%	726	872	0	0	0	0	0	0
Michigan	560	570	-1.8%	477	459	14	37	0	0	69	74
Ohio	781	706	10.6%	0	0	771	696	0	0	NM	NM
Wisconsin	131	200	-34.6%	44	75	0	0	0	0	87	125
West North Central	37	NM	NM	0	0	0	0	5	5	NM	NM
Iowa	37	NM	NM	0	0	0	0	5	5	NM	NM
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,228	1,339	-8.3%	1,111	1,211	0	0	0	0	116	128
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	1,111	1,211	-8.2%	1,111	1,211	0	0	0	0	0	0
Georgia	116	128	-9.3%	0	0	0	0	0	0	116	128
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	719	665	8.1%	719	665	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	719	665	8.1%	719	665	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	3,025	3,572	-15.3%	2,678	3,159	0	0	0	0	347	413
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,927	3,444	-15.0%	2,678	3,159	0	0	0	0	250	284
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	97	128	-24.0%	0	0	0	0	0	0	97	128
Mountain	322	239	34.8%	0	0	322	239	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	322	239	34.8%	0	0	322	239	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,660	8,354	-8.3%	5,755	6,441	1,111	986	5	5	789	923

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 1.10.A. Net Generation from Natural Gas
by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)**

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	6,614	5,359	23.4%	108	45	6,281	5,041	NM	76	NM	197
Connecticut	1,719	1,564	9.9%	0	0	1,632	1,474	NM	NM	NM	61
Maine	325	408	-20.2%	0	0	258	290	NM	NM	NM	115
Massachusetts	2,998	2,176	37.8%	94	42	2,842	2,077	NM	38	NM	NM
New Hampshire	649	468	38.6%	14	2	631	462	NM	NM	NM	NM
Rhode Island	923	743	24.3%	0	0	918	738	NM	NM	0	0
Vermont	0	0	-100.0%	0	0	0	0	0	0	0	0
Middle Atlantic	16,352	14,061	16.3%	1,446	1,287	14,627	12,512	NM	100	NM	162
New Jersey	3,720	3,024	23.0%	NM	NM	3,654	2,962	NM	NM	NM	NM
New York	6,375	5,563	14.6%	1,438	1,282	4,839	4,192	NM	66	NM	NM
Pennsylvania	6,258	5,474	14.3%	NM	NM	6,135	5,357	NM	NM	NM	101
East North Central	7,721	5,860	31.8%	3,249	2,110	4,165	3,504	154	129	NM	116
Illinois	1,014	737	37.5%	127	81	790	561	NM	54	NM	NM
Indiana	1,333	764	74.5%	1,067	454	186	257	NM	NM	NM	46
Michigan	1,627	1,029	58.2%	344	292	1,205	679	48	40	30	17
Ohio	2,609	2,513	3.8%	675	902	1,902	1,584	NM	NM	NM	NM
Wisconsin	1,138	817	39.3%	1,036	381	83	423	NM	8	NM	6
West North Central	2,248	1,578	42.5%	1,787	1,334	392	195	33	21	37	28
Iowa	329	233	41.1%	315	224	NM	NM	NM	NM	NM	5
Kansas	240	241	-0.8%	220	225	0	0	0	0	NM	NM
Minnesota	836	423	97.6%	679	379	140	32	NM	8	NM	4
Missouri	653	538	21.4%	383	366	252	163	17	9	NM	NM
Nebraska	84	64	29.9%	84	64	0	0	NM	0	0	0
North Dakota	5	NM	NM	3	0	0	0	0	0	NM	NM
South Dakota	103	77	34.3%	103	77	0	0	0	0	0	0
South Atlantic	30,170	27,020	11.7%	24,060	21,356	5,730	5,344	NM	63	313	257
Delaware	720	744	-3.3%	NM	NM	627	669	0	0	88	72
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	15,099	15,198	-0.7%	14,103	13,942	865	1,132	NM	NM	125	118
Georgia	4,976	4,505	10.5%	3,123	2,996	1,810	1,485	0	0	44	24
Maryland	562	367	53.4%	0	0	503	310	NM	50	NM	NM
North Carolina	3,403	2,902	17.3%	2,931	2,014	454	877	1	0	NM	NM
South Carolina	1,615	1,189	35.8%	1,453	1,107	157	78	NM	NM	NM	NM
Virginia	3,600	2,043	76.2%	2,437	1,291	1,132	728	NM	NM	30	23
West Virginia	189	66	185.9%	7	2	182	64	0	0	NM	0
East South Central	10,552	9,065	16.4%	5,967	4,491	4,415	4,338	NM	NM	152	218
Alabama	5,250	4,781	9.8%	1,358	1,039	3,815	3,673	0	0	77	68
Kentucky	229	107	114.8%	123	84	85	5	0	0	NM	NM
Mississippi	4,234	3,401	24.5%	3,684	2,622	515	659	NM	NM	32	117
Tennessee	840	776	8.2%	802	746	0	0	NM	NM	NM	15
West South Central	37,008	33,881	9.2%	11,846	9,776	19,479	18,728	97	94	5,585	5,282
Arkansas	1,658	1,045	58.7%	531	169	1,103	856	NM	NM	23	20
Louisiana	6,233	5,721	9.0%	3,684	2,704	351	978	NM	NM	2,182	2,024
Oklahoma	3,658	3,345	9.3%	2,175	2,105	1,469	1,230	NM	NM	NM	NM
Texas	25,458	23,770	7.1%	5,456	4,799	16,556	15,665	76	74	3,370	3,232
Mountain	11,931	10,032	18.9%	8,334	6,089	3,481	3,841	28	31	88	72
Arizona	5,091	4,028	26.4%	2,603	1,624	2,478	2,392	NM	11	0	0
Colorado	1,239	1,093	13.4%	1,007	670	232	422	0	0	NM	NM
Idaho	467	390	19.8%	311	227	153	162	0	0	3	2
Montana	83	67	22.7%	77	63	NM	NM	0	0	0	0
Nevada	3,109	2,555	21.7%	2,915	2,042	181	500	NM	NM	NM	NM
New Mexico	1,023	997	2.6%	661	694	356	296	NM	NM	0	0
Utah	864	867	-0.4%	755	765	72	63	NM	NM	30	33
Wyoming	55	35	56.1%	NM	NM	NM	NM	0	0	47	30
Pacific Contiguous	15,447	14,736	4.8%	5,808	5,547	8,612	7,947	126	146	900	1,096
California	12,344	11,659	5.9%	3,894	3,523	7,442	6,908	118	139	889	1,089
Oregon	1,659	1,496	10.9%	702	661	944	826	NM	5	6	4
Washington	1,445	1,581	-8.6%	1,212	1,363	226	213	NM	NM	5	3
Pacific Noncontiguous	199	257	-22.8%	193	253	0	0	NM	NM	NM	4
Alaska	199	257	-22.8%	193	253	0	0	NM	NM	NM	4
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	138,243	121,849	13.5%	62,798	52,289	67,182	61,449	719	679	7,543	7,432

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.10.B. Net Generation from Natural Gas

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	36,143	32,163	12.4%	305	245	34,307	30,059	571	564	960	1,294
Connecticut	11,156	9,782	14.0%	1	7	10,578	9,166	205	202	373	407
Maine	1,908	3,267	-41.6%	0	0	1,441	2,492	NM	NM	449	758
Massachusetts	14,279	12,438	14.8%	283	211	13,570	11,811	308	305	NM	110
New Hampshire	4,098	2,718	50.7%	20	26	4,047	2,662	NM	NM	NM	NM
Rhode Island	4,701	3,956	18.8%	0	0	4,671	3,927	NM	NM	0	0
Vermont	1	2	-27.5%	1	2	0	0	0	0	0	0
Middle Atlantic	101,218	89,584	13.0%	8,395	8,072	90,903	79,666	751	690	1,169	1,156
New Jersey	23,916	19,594	22.1%	NM	NM	23,476	19,164	NM	123	276	278
New York	38,398	36,211	6.0%	8,352	8,040	29,356	27,523	529	479	161	170
Pennsylvania	38,904	33,779	15.2%	NM	NM	38,071	32,979	NM	88	732	709
East North Central	59,008	39,611	49.0%	24,198	15,253	32,640	22,579	1,074	915	1,096	864
Illinois	6,977	3,640	91.7%	448	331	5,834	2,639	412	407	282	263
Indiana	11,153	6,345	75.8%	9,053	4,488	1,589	1,474	103	44	408	339
Michigan	12,443	8,143	52.8%	2,741	1,989	9,117	5,728	339	274	246	152
Ohio	19,451	16,453	18.2%	6,696	6,048	12,561	10,234	NM	128	NM	44
Wisconsin	8,985	5,030	78.6%	5,260	2,398	3,538	2,504	86	62	101	66
West North Central	12,174	7,781	56.5%	10,144	6,446	1,581	1,005	186	136	264	193
Iowa	1,699	952	78.5%	1,584	874	NM	NM	42	31	72	46
Kansas	1,316	1,299	1.4%	1,212	1,221	0	0	0	0	104	78
Minnesota	4,865	2,343	107.7%	4,178	1,881	534	345	87	65	65	53
Missouri	3,328	2,569	29.6%	2,220	1,864	1,047	660	56	41	NM	NM
Nebraska	376	320	17.5%	371	318	0	0	NM	NM	NM	NM
North Dakota	27	NM	NM	15	0	0	0	0	0	NM	NM
South Dakota	563	289	95.1%	563	289	0	0	0	0	0	0
South Atlantic	206,011	170,106	21.1%	165,058	137,476	38,153	30,343	416	382	2,384	1,905
Delaware	4,679	3,860	21.2%	NM	NM	3,968	3,460	0	0	681	379
District of Columbia	NM	44	NM	0	0	0	0	NM	44	0	0
Florida	104,894	96,420	8.8%	97,944	89,705	5,968	5,782	NM	25	950	908
Georgia	33,902	25,737	31.7%	22,261	18,828	11,282	6,654	0	0	360	255
Maryland	3,117	1,823	71.0%	0	0	2,755	1,483	323	304	NM	36
North Carolina	24,925	18,895	31.9%	20,011	13,125	4,802	5,681	4	0	107	89
South Carolina	10,357	8,051	28.7%	9,281	7,249	1,044	771	NM	NM	23	24
Virginia	23,241	14,880	56.2%	15,438	8,391	7,576	6,274	NM	NM	224	213
West Virginia	852	396	115.1%	94	159	757	237	0	0	NM	NM
East South Central	77,277	58,217	32.7%	42,320	31,457	33,253	24,839	NM	129	1,577	1,792
Alabama	37,580	30,314	24.0%	9,988	9,128	26,960	20,563	0	0	632	623
Kentucky	2,528	2,031	24.5%	1,937	1,748	443	143	0	0	NM	140
Mississippi	30,906	21,533	43.5%	24,392	16,442	5,850	4,133	NM	NM	649	944
Tennessee	6,263	4,340	44.3%	6,002	4,140	0	0	NM	114	148	86
West South Central	239,095	201,618	18.6%	68,792	55,078	128,802	105,281	657	629	40,845	40,632
Arkansas	11,546	6,994	65.1%	3,031	1,177	8,282	5,634	NM	NM	232	181
Louisiana	43,468	38,275	13.6%	21,826	15,670	6,099	6,831	124	125	15,419	15,649
Oklahoma	23,498	18,929	24.1%	14,837	12,162	8,568	6,690	NM	NM	70	62
Texas	160,583	137,421	16.9%	29,098	26,068	105,853	86,125	509	487	25,124	24,740
Mountain	61,583	53,867	14.3%	41,309	32,975	19,383	19,992	210	243	681	656
Arizona	21,028	17,927	17.3%	10,097	7,500	10,856	10,340	75	87	0	0
Colorado	7,160	7,617	-6.0%	4,998	4,307	2,157	3,298	0	5	NM	NM
Idaho	2,323	1,619	43.5%	1,393	863	899	734	0	0	31	22
Montana	500	339	47.6%	468	317	NM	NM	0	0	0	0
Nevada	18,720	14,468	29.4%	16,191	11,354	2,427	2,995	43	47	59	72
New Mexico	6,175	6,103	1.2%	3,487	3,801	2,647	2,251	41	50	0	NM
Utah	5,256	5,468	-3.9%	4,643	4,809	349	342	50	55	214	261
Wyoming	422	327	28.9%	NM	NM	NM	NM	0	0	373	293
Pacific Contiguous	89,268	89,492	-0.2%	33,455	30,503	47,619	49,549	969	1,110	7,226	8,330
California	72,347	75,996	-4.8%	23,663	22,412	40,629	44,254	904	1,060	7,151	8,271
Oregon	9,657	7,136	35.3%	3,622	2,665	5,947	4,403	49	39	40	28
Washington	7,264	6,360	14.2%	6,171	5,426	1,043	893	NM	NM	35	31
Pacific Noncontiguous	1,835	2,001	-8.3%	1,795	1,968	0	0	NM	NM	36	30
Alaska	1,835	2,001	-8.3%	1,795	1,968	0	0	NM	NM	36	30
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	883,614	744,440	18.7%	395,772	319,474	426,641	363,312	4,966	4,801	56,235	56,853

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 1.11.A. Net Generation from Other Gases
by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 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	54	53	0.8%	0	0	0	0	0	0	54	53
New Jersey	17	16	11.2%	0	0	0	0	0	0	17	16
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	36	38	-3.5%	0	0	0	0	0	0	36	38
East North Central	464	418	11.1%	18	4	173	154	0	0	273	259
Illinois	28	27	5.7%	0	0	0	1	0	0	28	26
Indiana	222	212	4.7%	0	0	0	0	0	0	222	212
Michigan	132	102	28.8%	18	4	113	99	0	0	0	0
Ohio	82	77	7.3%	0	0	60	55	0	0	23	22
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	27	32	-14.1%	0	0	0	0	0	0	27	32
Delaware	24	28	-16.4%	0	0	0	0	0	0	24	28
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	1	14.2%	0	0	0	0	0	0	1	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	3	3	1.2%	0	0	0	0	0	0	3	3
East South Central	NM	6	NM	0	0	0	0	0	0	NM	6
Alabama	NM	5	NM	0	0	0	0	0	0	NM	5
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	29.5%	0	0	0	0	0	0	1	1
West South Central	403	383	5.3%	0	0	111	170	0	0	292	213
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	189	165	15.0%	0	0	0	69	0	0	189	96
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	214	218	-2.1%	0	0	111	101	0	0	103	117
Mountain	34	25	35.0%	0	0	1	0	0	0	33	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	0	0	NM	0	0	0	0	0	0	0	0
Nevada	1	0	55.0%	0	0	1	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	33	24	34.2%	0	0	0	0	0	0	33	24
Pacific Contiguous	174	142	23.2%	0	0	35	34	0	0	140	108
California	140	108	29.4%	0	0	0	0	0	0	140	108
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	35	34	3.4%	0	0	35	34	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM
U.S. Total	1,172	1,064	10.1%	18	4	320	358	0	0	834	702

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.11.B. Net Generation from Other Gases

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 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	410	425	-3.5%	0	0	0	0	0	0	410	425
New Jersey	124	123	0.3%	0	0	0	0	0	0	124	123
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	287	302	-5.1%	0	0	0	0	0	0	287	302
East North Central	3,229	2,844	13.5%	150	65	1,256	1,029	0	0	1,823	1,750
Illinois	200	202	-0.9%	0	0	1	7	0	0	199	195
Indiana	1,472	1,412	4.2%	0	0	0	0	0	0	1,472	1,412
Michigan	989	682	45.1%	150	65	839	617	0	0	0	0
Ohio	568	548	3.5%	0	0	416	405	0	0	152	143
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	26	26	-0.7%	0	0	0	0	0	0	26	26
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	26	26	-0.7%	0	0	0	0	0	0	26	26
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	152	147	3.7%	0	0	0	0	0	0	152	147
Delaware	129	123	4.4%	0	0	0	0	0	0	129	123
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	5	-43.0%	0	0	0	0	0	0	3	5
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	20	18	12.1%	0	0	0	0	0	0	20	18
East South Central	77	152	-49.4%	0	0	0	0	0	0	77	152
Alabama	69	143	-51.7%	0	0	0	0	0	0	69	143
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8	9	-12.5%	0	0	0	0	0	0	8	9
West South Central	2,973	2,533	17.4%	0	0	1,078	1,186	0	0	1,895	1,347
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,499	1,197	25.2%	0	0	369	532	0	0	1,130	665
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,474	1,336	10.3%	0	0	710	655	0	0	765	682
Mountain	280	213	31.8%	0	0	13	3	0	0	267	209
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	10	0	NM	0	0	10	0	0	0	0	0
Nevada	4	3	10.4%	0	0	4	3	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	264	209	26.7%	0	0	0	0	0	0	264	209
Pacific Contiguous	1,269	1,003	26.5%	0	0	254	206	0	0	1,015	797
California	1,015	797	27.4%	0	0	0	0	0	0	1,015	797
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	254	206	23.3%	0	0	254	206	0	0	0	0
Pacific Noncontiguous	NM	24	NM	0	0	0	0	0	0	NM	24
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	24	NM	0	0	0	0	0	0	NM	24
U.S. Total	8,436	7,366	14.5%	150	65	2,601	2,425	0	0	5,684	4,877

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	2,917	3,344	-12.8%	0	0	2,917	3,344	0	0	0	0
Connecticut	1,548	1,545	0.2%	0	0	1,548	1,545	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	442	426	3.7%	0	0	442	426	0	0	0	0
New Hampshire	926	926	0.0%	0	0	926	926	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	446	-100.0%	0	0	0	446	0	0	0	0
Middle Atlantic	14,077	13,834	1.8%	0	0	14,077	13,834	0	0	0	0
New Jersey	2,923	3,051	-4.2%	0	0	2,923	3,051	0	0	0	0
New York	3,927	3,614	8.7%	0	0	3,927	3,614	0	0	0	0
Pennsylvania	7,227	7,169	0.8%	0	0	7,227	7,169	0	0	0	0
East North Central	13,867	13,750	0.9%	2,362	2,389	11,506	11,360	0	0	0	0
Illinois	8,429	8,326	1.2%	0	0	8,429	8,326	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,940	2,977	-1.2%	2,362	2,389	578	588	0	0	0	0
Ohio	1,611	1,593	1.2%	0	0	1,611	1,593	0	0	0	0
Wisconsin	887	855	3.8%	0	0	887	855	0	0	0	0
West North Central	4,379	4,328	1.2%	3,935	3,910	444	418	0	0	0	0
Iowa	444	418	6.4%	0	0	444	418	0	0	0	0
Kansas	887	886	0.2%	887	886	0	0	0	0	0	0
Minnesota	1,269	1,204	5.4%	1,269	1,204	0	0	0	0	0	0
Missouri	839	889	-5.7%	839	889	0	0	0	0	0	0
Nebraska	940	931	1.0%	940	931	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18,151	17,318	4.8%	16,869	16,055	1,282	1,262	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,614	2,370	10.3%	2,614	2,370	0	0	0	0	0	0
Georgia	3,000	2,876	4.3%	3,000	2,876	0	0	0	0	0	0
Maryland	1,282	1,262	1.6%	0	0	1,282	1,262	0	0	0	0
North Carolina	3,738	3,793	-1.5%	3,738	3,793	0	0	0	0	0	0
South Carolina	4,848	4,334	11.9%	4,848	4,334	0	0	0	0	0	0
Virginia	2,669	2,681	-0.5%	2,669	2,681	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,978	6,883	1.4%	6,978	6,883	0	0	0	0	0	0
Alabama	3,697	3,414	8.3%	3,697	3,414	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,004	965	4.0%	1,004	965	0	0	0	0	0	0
Tennessee	2,277	2,504	-9.1%	2,277	2,504	0	0	0	0	0	0
West South Central	6,615	6,656	-0.6%	2,908	2,927	3,707	3,728	0	0	0	0
Arkansas	1,329	1,360	-2.2%	1,329	1,360	0	0	0	0	0	0
Louisiana	1,579	1,568	0.7%	1,579	1,568	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,707	3,728	-0.6%	0	0	3,707	3,728	0	0	0	0
Mountain	2,929	2,910	0.6%	2,929	2,910	0	0	0	0	0	0
Arizona	2,929	2,910	0.6%	2,929	2,910	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,503	2,107	18.8%	2,503	2,107	0	0	0	0	0	0
California	1,666	1,508	10.5%	1,666	1,508	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	837	598	39.8%	837	598	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	72,415	71,129	1.8%	38,482	37,182	33,933	33,946	0	0	0	0

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.12.B. Net Generation from Nuclear Energy

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	22,406	24,660	-9.1%	0	0	22,406	24,660	0	0	0	0
Connecticut	12,119	10,818	12.0%	0	0	12,119	10,818	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,019	3,790	-20.3%	0	0	3,019	3,790	0	0	0	0
New Hampshire	7,268	6,517	11.5%	0	0	7,268	6,517	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	3,534	-100.0%	0	0	0	3,534	0	0	0	0
Middle Atlantic	106,174	100,894	5.2%	0	0	106,174	100,894	0	0	0	0
New Jersey	22,480	20,994	7.1%	0	0	22,480	20,994	0	0	0	0
New York	29,603	28,082	5.4%	0	0	29,603	28,082	0	0	0	0
Pennsylvania	54,090	51,818	4.4%	0	0	54,090	51,818	0	0	0	0
East North Central	103,837	102,109	1.7%	16,309	17,223	87,527	84,885	0	0	0	0
Illinois	64,854	64,681	0.3%	0	0	64,854	64,681	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	20,987	20,676	1.5%	16,309	17,223	4,678	3,452	0	0	0	0
Ohio	11,004	10,363	6.2%	0	0	11,004	10,363	0	0	0	0
Wisconsin	6,992	6,389	9.4%	0	0	6,992	6,389	0	0	0	0
West North Central	29,919	31,869	-6.1%	26,448	28,401	3,471	3,468	0	0	0	0
Iowa	3,471	3,468	0.1%	0	0	3,471	3,468	0	0	0	0
Kansas	5,071	5,025	0.9%	5,071	5,025	0	0	0	0	0	0
Minnesota	7,985	9,150	-12.7%	7,985	9,150	0	0	0	0	0	0
Missouri	6,850	7,111	-3.7%	6,850	7,111	0	0	0	0	0	0
Nebraska	6,542	7,115	-8.1%	6,542	7,115	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	135,960	131,149	3.7%	126,373	121,931	9,588	9,218	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	19,627	18,210	7.8%	19,627	18,210	0	0	0	0	0	0
Georgia	22,836	21,702	5.2%	22,836	21,702	0	0	0	0	0	0
Maryland	9,588	9,218	4.0%	0	0	9,588	9,218	0	0	0	0
North Carolina	27,879	27,710	0.6%	27,879	27,710	0	0	0	0	0	0
South Carolina	36,768	33,760	8.9%	36,768	33,760	0	0	0	0	0	0
Virginia	19,262	20,549	-6.3%	19,262	20,549	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	52,993	51,738	2.4%	52,993	51,738	0	0	0	0	0	0
Alabama	27,623	28,137	-1.8%	27,623	28,137	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	7,702	6,020	27.9%	7,702	6,020	0	0	0	0	0	0
Tennessee	17,669	17,580	0.5%	17,669	17,580	0	0	0	0	0	0
West South Central	48,902	46,494	5.2%	20,838	20,461	28,064	26,033	0	0	0	0
Arkansas	9,912	9,090	9.0%	9,912	9,090	0	0	0	0	0	0
Louisiana	10,926	11,371	-3.9%	10,926	11,371	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	28,064	26,033	7.8%	0	0	28,064	26,033	0	0	0	0
Mountain	22,117	22,018	0.5%	22,117	22,018	0	0	0	0	0	0
Arizona	22,117	22,018	0.5%	22,117	22,018	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	17,934	17,709	1.3%	17,934	17,709	0	0	0	0	0	0
California	13,113	11,481	14.2%	13,113	11,481	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	4,820	6,228	-22.6%	4,820	6,228	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	540,243	528,639	2.2%	283,012	279,481	257,230	249,158	0	0	0	0

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	524	539	-2.8%	NM	64	424	442	NM	NM	NM	32
Connecticut	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Maine	256	271	-5.4%	0	0	229	239	0	0	NM	32
Massachusetts	NM	70	NM	NM	NM	NM	52	NM	NM	NM	NM
New Hampshire	79	88	-10.3%	NM	17	NM	71	0	0	0	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	83	NM	NM	NM	NM	56	0	0	0	0
Middle Atlantic	2,533	2,301	10.1%	2,081	1,891	447	405	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,402	2,149	11.8%	2,074	1,840	323	304	NM	NM	NM	NM
Pennsylvania	129	150	-13.8%	NM	51	123	99	0	0	0	0
East North Central	329	338	-2.7%	280	304	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Indiana	35	25	38.2%	35	25	0	0	0	0	0	0
Michigan	99	108	-7.9%	91	98	NM	NM	0	0	NM	NM
Ohio	NM	41	NM	26	41	NM	0	0	0	0	0
Wisconsin	142	154	-7.9%	125	136	NM	NM	0	0	NM	NM
West North Central	995	1,055	-5.7%	974	1,034	NM	NM	0	0	NM	NM
Iowa	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	151	53	184.1%	151	53	0	0	0	0	0	0
Nebraska	81	88	-8.2%	81	88	0	0	0	0	0	0
North Dakota	194	274	-29.3%	194	274	0	0	0	0	0	0
South Dakota	472	545	-13.3%	472	545	0	0	0	0	0	0
South Atlantic	964	1,114	-13.5%	848	911	87	112	NM	NM	28	89
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	NM	NM	NM	NM	0	0	0	0	0	0
Georgia	241	248	-2.9%	238	246	NM	NM	0	0	NM	NM
Maryland	56	81	-30.3%	0	0	56	81	0	0	0	0
North Carolina	303	391	-22.7%	297	331	NM	NM	NM	NM	NM	55
South Carolina	186	200	-7.0%	179	193	NM	NM	NM	NM	0	0
Virginia	80	93	-14.6%	73	87	NM	NM	0	0	NM	NM
West Virginia	79	84	-5.5%	NM	NM	NM	15	0	0	25	32
East South Central	1,678	1,512	10.9%	1,677	1,450	NM	NM	0	0	0	62
Alabama	581	515	12.7%	581	515	0	0	0	0	0	0
Kentucky	277	229	20.8%	276	229	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	820	768	6.8%	820	706	0	0	0	0	0	62
West South Central	805	418	92.3%	690	352	115	66	0	0	0	0
Arkansas	441	193	128.4%	438	192	NM	NM	0	0	0	0
Louisiana	109	63	74.4%	0	0	109	63	0	0	0	0
Oklahoma	212	122	73.6%	212	122	0	0	0	0	0	0
Texas	42	40	4.4%	40	38	NM	NM	0	0	0	0
Mountain	2,226	2,504	-11.1%	2,122	2,135	103	368	NM	NM	0	0
Arizona	615	573	7.3%	615	573	0	0	0	0	0	0
Colorado	97	100	-2.7%	82	83	NM	NM	NM	NM	0	0
Idaho	650	765	-15.1%	576	685	74	80	0	0	0	0
Montana	539	743	-27.5%	529	477	NM	266	0	0	0	0
Nevada	164	167	-1.6%	161	163	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Wyoming	115	106	9.3%	115	105	NM	NM	0	0	0	0
Pacific Contiguous	9,146	9,853	-7.2%	9,050	9,731	96	121	NM	NM	0	0
California	1,670	1,885	-11.4%	1,606	1,801	63	84	NM	NM	0	0
Oregon	1,786	1,993	-10.4%	1,769	1,972	NM	NM	0	0	0	0
Washington	5,690	5,975	-4.8%	5,675	5,959	NM	NM	0	0	0	0
Pacific Noncontiguous	121	123	-1.2%	113	118	5	2	0	0	NM	NM
Alaska	111	116	-4.2%	111	116	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	5	2	0	0	NM	NM
U.S. Total	19,320	19,757	-2.2%	17,906	17,991	1,330	1,552	NM	NM	82	211

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	4,964	4,998	-0.7%	692	666	3,998	4,062	NM	NM	271	266
Connecticut	251	246	1.9%	NM	NM	229	224	0	0	0	0
Maine	2,289	2,292	-0.1%	0	0	2,021	2,033	0	0	268	259
Massachusetts	651	677	-3.8%	172	169	473	502	NM	NM	NM	NM
New Hampshire	977	1,006	-2.9%	224	216	752	785	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	794	774	2.5%	273	259	521	515	0	0	0	0
Middle Atlantic	19,372	19,092	1.5%	15,075	15,001	4,255	4,051	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	17,394	16,974	2.5%	14,534	14,095	2,818	2,838	NM	NM	NM	NM
Pennsylvania	1,959	2,100	-6.7%	541	905	1,418	1,195	0	0	0	0
East North Central	2,938	3,120	-5.8%	2,592	2,789	220	202	NM	NM	124	128
Illinois	83	88	-5.0%	NM	NM	53	58	NM	NM	0	0
Indiana	210	208	1.0%	210	208	0	0	0	0	0	0
Michigan	979	1,051	-6.8%	892	955	67	76	0	0	NM	NM
Ohio	266	275	-3.5%	232	275	NM	0	0	0	0	0
Wisconsin	1,400	1,498	-6.5%	1,230	1,322	65	68	0	0	105	108
West North Central	7,711	7,223	6.8%	7,510	7,019	133	140	0	0	68	63
Iowa	502	515	-2.5%	498	511	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	386	376	2.6%	200	186	119	126	0	0	68	63
Missouri	1,142	498	129.3%	1,142	498	0	0	0	0	0	0
Nebraska	800	869	-7.9%	800	869	0	0	0	0	0	0
North Dakota	1,563	1,745	-10.4%	1,563	1,745	0	0	0	0	0	0
South Dakota	3,307	3,209	3.0%	3,307	3,209	0	0	0	0	0	0
South Atlantic	9,778	11,403	-14.3%	7,529	8,892	1,618	1,696	NM	NM	621	801
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	155	151	2.7%	155	151	0	0	0	0	0	0
Georgia	2,031	2,363	-14.1%	2,008	2,341	NM	NM	0	0	NM	NM
Maryland	1,235	1,337	-7.6%	0	0	1,235	1,337	0	0	0	0
North Carolina	2,908	3,625	-19.8%	2,658	3,160	NM	38	NM	NM	204	416
South Carolina	1,711	2,081	-17.8%	1,648	2,020	61	59	NM	NM	0	0
Virginia	771	941	-18.0%	716	887	NM	47	0	0	NM	NM
West Virginia	967	905	6.8%	344	334	227	207	0	0	396	365
East South Central	15,629	14,768	5.8%	15,380	14,286	NM	NM	0	0	244	476
Alabama	6,629	6,636	-0.1%	6,629	6,636	0	0	0	0	0	0
Kentucky	2,304	2,027	13.7%	2,299	2,022	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6,696	6,104	9.7%	6,453	5,628	0	0	0	0	244	476
West South Central	5,426	4,254	27.6%	4,646	3,396	780	857	0	0	0	0
Arkansas	2,287	1,906	20.0%	2,265	1,895	NM	NM	0	0	0	0
Louisiana	739	827	-10.7%	0	0	739	827	0	0	0	0
Oklahoma	1,872	1,103	69.7%	1,872	1,103	0	0	0	0	0	0
Texas	528	417	26.7%	508	397	NM	NM	0	0	0	0
Mountain	21,667	23,788	-8.9%	18,854	20,429	2,808	3,353	NM	NM	0	0
Arizona	4,604	4,261	8.0%	4,604	4,261	0	0	0	0	0	0
Colorado	989	1,333	-25.8%	837	1,171	148	156	NM	NM	0	0
Idaho	6,258	6,972	-10.2%	5,723	6,384	535	589	0	0	0	0
Montana	7,006	8,120	-13.7%	4,931	5,563	2,075	2,557	0	0	0	0
Nevada	1,689	1,855	-9.0%	1,653	1,818	NM	NM	0	0	0	0
New Mexico	79	105	-24.6%	79	105	0	0	0	0	0	0
Utah	389	462	-15.7%	383	455	NM	NM	0	0	0	0
Wyoming	652	681	-4.3%	645	673	NM	NM	0	0	0	0
Pacific Contiguous	86,096	94,885	-9.3%	85,340	93,967	754	915	NM	NM	0	0
California	9,920	12,354	-19.7%	9,541	11,822	377	528	NM	NM	0	0
Oregon	22,486	24,845	-9.5%	22,298	24,657	188	188	0	0	0	0
Washington	53,690	57,687	-6.9%	53,501	57,488	188	199	0	0	0	0
Pacific Noncontiguous	1,085	1,064	2.0%	1,035	1,022	20	9	0	0	NM	NM
Alaska	1,022	1,009	1.3%	1,022	1,009	0	0	0	0	0	0
Hawaii	63	55	13.9%	NM	NM	20	9	0	0	NM	NM
U.S. Total	174,665	184,595	-5.4%	158,653	167,468	14,590	15,292	NM	NM	1,397	1,805

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector		
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014	
				August 2015	August 2014	August 2015	August 2014					
New England	879	818	7.5%	71	60	672	584	16	19	119	155	
Connecticut	73	70	3.6%	0	0	73	67	0	NM	0	0	
Maine	352	357	-1.3%	0	0	225	192	9	10	119	155	
Massachusetts	194	161	20.2%	NM	NM	186	155	NM	NM	NM	0	
New Hampshire	168	152	10.6%	25	22	139	126	NM	NM	0	0	
Rhode Island	23	21	10.5%	0	0	22	21	NM	0	0	0	
Vermont	69	57	21.6%	41	34	28	23	NM	NM	0	0	
Middle Atlantic	943	961	-1.9%	37	NM	771	816	62	59	73	81	
New Jersey	178	162	9.9%	10	NM	135	129	33	28	NM	NM	
New York	423	413	2.4%	27	0	355	369	19	20	22	24	
Pennsylvania	343	387	-11.4%	0	0	281	319	11	11	51	57	
East North Central	1,568	1,301	20.5%	229	138	1,168	974	21	26	150	164	
Illinois	501	416	20.5%	NM	NM	500	415	NM	0	0	0	
Indiana	222	151	46.5%	29	29	188	117	NM	NM	NM	NM	
Michigan	472	406	16.4%	100	40	290	272	18	23	64	71	
Ohio	122	115	6.3%	NM	NM	88	80	NM	NM	30	32	
Wisconsin	250	213	17.2%	95	66	101	90	NM	NM	53	56	
West North Central	3,303	2,323	42.2%	1,020	591	2,232	1,675	7	10	44	48	
Iowa	1,016	556	82.7%	578	302	435	251	NM	NM	0	1	
Kansas	702	738	-4.9%	59	59	643	679	0	0	0	0	
Minnesota	739	434	70.1%	156	92	537	293	NM	NM	43	47	
Missouri	56	59	-5.4%	4	3	52	52	0	3	NM	NM	
Nebraska	221	132	67.4%	21	15	198	115	NM	NM	0	0	
North Dakota	387	283	36.7%	154	90	233	193	0	0	0	0	
South Dakota	183	121	51.4%	47	30	135	91	0	0	0	0	
South Atlantic	1,971	1,788	10.2%	249	195	801	736	44	44	877	813	
Delaware	12	11	7.0%	NM	NM	11	10	NM	NM	0	0	
District of Columbia	0	0	--	0	0	0	0	0	0	0	0	
Florida	437	460	-5.0%	52	27	208	251	NM	NM	176	179	
Georgia	395	374	5.7%	NM	0	74	74	NM	NM	317	298	
Maryland	70	79	-11.2%	NM	NM	66	62	NM	NM	0	12	
North Carolina	421	281	49.6%	NM	NM	297	192	16	15	107	73	
South Carolina	188	179	5.3%	42	39	NM	9	0	0	137	131	
Virginia	404	340	18.7%	151	127	93	74	21	20	139	119	
West Virginia	44	64	-31.0%	0	0	44	64	0	0	0	0	
East South Central	552	559	-1.2%	8	9	41	31	NM	NM	502	518	
Alabama	288	289	-0.4%	0	0	21	19	0	0	267	270	
Kentucky	33	39	-16.8%	8	9	0	0	0	0	24	31	
Mississippi	130	135	-3.8%	0	0	NM	NM	0	0	129	134	
Tennessee	101	95	6.6%	0	0	19	11	NM	NM	82	84	
West South Central	4,756	3,952	20.4%	117	136	4,184	3,333	NM	NM	450	477	
Arkansas	120	136	-11.4%	0	0	8	9	NM	NM	112	126	
Louisiana	234	243	-3.9%	0	0	6	7	0	0	227	236	
Oklahoma	987	809	22.1%	87	113	874	668	0	0	26	28	
Texas	3,415	2,764	23.6%	30	23	3,295	2,649	NM	NM	85	86	
Mountain	2,319	1,842	25.9%	214	193	2,066	1,611	16	9	23	30	
Arizona	427	338	26.3%	56	45	369	291	NM	NM	0	0	
Colorado	597	401	49.0%	10	10	584	388	NM	NM	NM	NM	
Idaho	213	184	15.9%	12	8	178	146	0	0	23	29	
Montana	117	100	17.1%	12	11	104	89	0	0	0	0	
Nevada	463	364	27.3%	0	0	453	360	10	3	NM	NM	
New Mexico	196	166	18.4%	15	10	181	155	NM	NM	0	0	
Utah	103	98	4.2%	23	22	80	76	0	0	0	0	
Wyoming	204	192	6.3%	86	86	117	105	0	0	0	0	
Pacific Contiguous	6,539	5,483	19.3%	795	682	5,431	4,466	92	98	222	237	
California	4,824	4,070	18.5%	233	270	4,432	3,643	90	96	68	62	
Oregon	836	753	11.0%	154	143	637	551	NM	NM	42	57	
Washington	879	660	33.1%	407	269	361	272	0	NM	111	118	
Pacific Noncontiguous	130	114	14.2%	26	8	75	73	20	23	8	10	
Alaska	13	11	14.8%	NM	NM	NM	NM	NM	NM	0	NM	
Hawaii	117	102	14.1%	19	3	72	70	17	19	8	10	
U.S. Total	22,960	19,141	20.0%	2,767	2,017	17,440	14,299	284	293	2,468	2,532	

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	7,060	6,730	4.9%	592	582	5,324	4,751	142	145	1,002	1,252
Connecticut	544	522	4.1%	0	0	533	500	11	22	0	0
Maine	2,968	3,058	-2.9%	0	0	1,900	1,735	70	72	999	1,252
Massachusetts	1,419	1,211	17.2%	51	52	1,340	1,138	25	22	NM	0
New Hampshire	1,381	1,264	9.3%	210	222	1,145	1,015	26	27	0	0
Rhode Island	176	156	12.9%	0	0	168	156	NM	0	0	0
Vermont	571	519	10.1%	331	309	238	208	NM	NM	0	0
Middle Atlantic	9,321	9,352	-0.3%	121	38	8,167	8,269	474	434	560	610
New Jersey	1,273	1,167	9.1%	68	38	962	928	241	200	NM	NM
New York	4,211	4,247	-0.8%	52	0	3,850	3,913	150	154	159	180
Pennsylvania	3,837	3,938	-2.6%	0	0	3,354	3,429	83	81	400	428
East North Central	17,817	17,492	1.9%	1,872	1,762	14,641	14,412	159	149	1,145	1,169
Illinois	6,698	7,149	-6.3%	8	8	6,688	7,141	NM	NM	0	0
Indiana	3,059	2,498	22.4%	214	214	2,804	2,242	13	14	27	29
Michigan	4,646	4,291	8.3%	790	597	3,249	3,055	133	123	474	516
Ohio	1,302	1,347	-3.3%	25	23	1,038	1,074	NM	NM	237	246
Wisconsin	2,112	2,208	-4.3%	835	921	862	900	8	9	406	378
West North Central	33,676	33,252	1.3%	10,823	9,792	22,410	22,995	85	88	358	378
Iowa	11,069	10,527	5.2%	6,476	5,745	4,569	4,747	19	20	5	14
Kansas	6,774	7,319	-7.4%	561	605	6,214	6,714	0	0	0	0
Minnesota	6,934	7,001	-1.0%	1,491	1,520	5,071	5,095	30	30	342	357
Missouri	701	834	-15.9%	28	27	645	777	24	27	NM	NM
Nebraska	2,057	1,612	27.6%	181	173	1,865	1,428	11	11	0	0
North Dakota	4,217	4,093	3.0%	1,646	1,291	2,565	2,798	0	0	6	4
South Dakota	1,922	1,867	3.0%	442	432	1,480	1,435	0	0	0	0
South Atlantic	15,039	14,264	5.4%	1,443	1,233	6,560	5,979	334	336	6,702	6,716
Delaware	86	85	1.6%	7	7	75	75	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,456	3,471	-0.5%	252	192	1,798	1,869	23	21	1,383	1,389
Georgia	3,002	2,829	6.1%	10	0	526	492	19	19	2,447	2,318
Maryland	724	666	8.7%	8	8	621	538	27	28	68	93
North Carolina	2,791	2,299	21.4%	6	6	1,894	1,391	113	111	779	790
South Carolina	1,376	1,537	-10.5%	296	303	67	71	0	0	1,012	1,164
Virginia	2,701	2,449	10.3%	864	718	676	616	148	154	1,012	961
West Virginia	903	927	-2.6%	0	0	903	927	0	0	0	0
East South Central	4,194	4,283	-2.1%	64	67	304	248	NM	NM	3,823	3,966
Alabama	2,140	2,220	-3.6%	0	0	144	137	0	0	1,995	2,082
Kentucky	319	329	-2.9%	64	66	0	0	0	0	255	262
Mississippi	969	1,007	-3.7%	0	1	8	8	0	0	961	998
Tennessee	766	728	5.2%	0	0	152	103	NM	NM	612	623
West South Central	40,741	39,323	3.6%	1,195	1,337	35,959	34,365	51	37	3,536	3,584
Arkansas	1,026	1,059	-3.2%	0	0	71	74	NM	3	951	981
Louisiana	1,789	1,784	0.3%	0	0	49	51	0	0	1,740	1,733
Oklahoma	8,848	8,173	8.3%	929	1,132	7,712	6,826	0	0	208	215
Texas	29,078	28,307	2.7%	267	205	28,127	27,414	47	34	638	654
Mountain	19,574	19,853	-1.4%	2,016	2,189	17,223	17,343	91	63	244	258
Arizona	2,923	2,706	8.0%	388	296	2,520	2,395	15	15	0	0
Colorado	5,085	5,020	1.3%	96	126	4,966	4,871	21	20	NM	NM
Idaho	1,935	2,289	-15.5%	96	116	1,599	1,920	0	0	240	253
Montana	1,240	1,222	1.5%	138	148	1,102	1,074	0	0	0	0
Nevada	3,622	2,870	26.2%	0	0	3,567	2,844	53	25	NM	NM
New Mexico	1,681	1,976	-14.9%	101	71	1,578	1,902	NM	NM	0	0
Utah	804	867	-7.2%	169	180	635	687	0	0	0	0
Wyoming	2,285	2,903	-21.3%	1,028	1,252	1,257	1,650	0	0	0	0
Pacific Contiguous	44,062	42,634	3.3%	5,292	5,720	36,378	34,389	732	762	1,659	1,762
California	32,822	30,028	9.3%	1,666	1,960	29,979	26,816	714	744	462	507
Oregon	5,412	6,388	-15.3%	929	1,074	4,099	4,894	14	15	370	406
Washington	5,828	6,218	-6.3%	2,697	2,686	2,300	2,679	NM	3	827	849
Pacific Noncontiguous	966	978	-1.2%	128	92	600	646	158	160	80	80
Alaska	131	135	-2.9%	68	70	30	32	29	29	NM	4
Hawaii	835	843	-0.9%	60	22	569	614	129	130	76	76
U.S. Total	192,451	188,161	2.3%	23,548	22,813	147,566	143,397	2,228	2,176	19,109	19,774

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	-52	-38	35.5%	0	0	-52	-38	0	0	0	0
Connecticut	0	0	164.2%	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-52	-38	35.9%	0	0	-52	-38	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	-120	-125	-3.8%	-59	-62	-61	-63	0	0	0	0
New Jersey	-18	-21	-16.1%	-18	-21	0	0	0	0	0	0
New York	-41	-41	-0.3%	-41	-41	0	0	0	0	0	0
Pennsylvania	-61	-63	-1.8%	0	0	-61	-63	0	0	0	0
East North Central	-82	-98	-16.0%	-82	-98	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-82	-98	-16.0%	-82	-98	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	36	-8	-574.3%	36	-8	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	36	-8	-574.3%	36	-8	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-391	-424	-7.8%	-391	-424	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	-125	-135	-7.3%	-125	-135	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	29	0	--	29	0	0	0	0	0	0	0
South Carolina	-138	-105	32.3%	-138	-105	0	0	0	0	0	0
Virginia	-157	-184	-15.1%	-157	-184	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-91	-59	54.2%	-91	-59	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	-91	-59	54.2%	-91	-59	0	0	0	0	0	0
West South Central	-8	-4	89.8%	-8	-4	0	0	0	0	0	0
Arkansas	3	8	-66.7%	3	8	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-11	-12	-10.1%	-11	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	4	-19	-121.7%	4	-19	0	0	0	0	0	0
Arizona	23	11	116.1%	23	11	0	0	0	0	0	0
Colorado	-19	-30	-35.8%	-19	-30	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	82	-65	-226.0%	82	-65	0	0	0	0	0	0
California	76	-65	-217.0%	76	-65	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6	0	NM	6	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	-623	-840	-25.9%	-510	-740	-113	-101	0	0	0	0

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	-332	-304	9.3%	0	0	-332	-304	0	0	0	0
Connecticut	-5	-1	645.5%	0	0	-5	-1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-327	-303	8.0%	0	0	-327	-303	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	-777	-881	-11.8%	-404	-494	-373	-387	0	0	0	0
New Jersey	-127	-148	-14.4%	-127	-148	0	0	0	0	0	0
New York	-277	-346	-19.9%	-277	-346	0	0	0	0	0	0
Pennsylvania	-373	-387	-3.6%	0	0	-373	-387	0	0	0	0
East North Central	-334	-544	-38.6%	-334	-544	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	-334	-544	-38.6%	-334	-544	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	372	-8	NM	372	-8	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	372	-8	NM	372	-8	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-1,934	-1,937	-0.2%	-1,934	-1,937	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	-615	-386	59.4%	-615	-386	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	150	0	--	150	0	0	0	0	0	0	0
South Carolina	-712	-613	16.1%	-712	-613	0	0	0	0	0	0
Virginia	-756	-938	-19.4%	-756	-938	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-382	-314	21.7%	-382	-314	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	-382	-314	21.7%	-382	-314	0	0	0	0	0	0
West South Central	-33	-19	72.3%	-33	-19	0	0	0	0	0	0
Arkansas	14	63	-77.2%	14	63	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-48	-82	-42.0%	-48	-82	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-123	-90	35.7%	-123	-90	0	0	0	0	0	0
Arizona	66	39	67.1%	66	39	0	0	0	0	0	0
Colorado	-188	-130	45.2%	-188	-130	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	173	-110	-256.7%	173	-110	0	0	0	0	0	0
California	140	-107	-231.4%	140	-107	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	33	-4	-993.6%	33	-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	-3,370	-4,208	-19.9%	-2,665	-3,518	-705	-691	0	0	0	0

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
				August 2015	August 2014	August 2015	August 2014				
New England	172	179	-3.9%	0	0	152	157	10	11	11	11
Connecticut	51	56	-8.8%	0	0	51	53	0	NM	0	0
Maine	36	39	-6.0%	0	0	16	19	10	8	11	11
Massachusetts	79	79	0.4%	0	0	79	79	0	0	0	0
New Hampshire	NM	NM	NM	0	0	NM	NM	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	207	210	-1.1%	0	0	166	168	42	41	0	0
New Jersey	46	50	-6.4%	0	0	34	36	12	13	0	0
New York	83	85	-1.8%	0	0	62	66	21	19	0	0
Pennsylvania	78	76	3.1%	0	0	69	66	9	10	0	0
East North Central	110	113	-2.6%	3	11	14	13	20	23	73	66
Illinois	27	24	11.3%	0	0	0	0	0	0	27	24
Indiana	43	46	-7.3%	0	8	0	0	NM	NM	41	37
Michigan	35	37	-5.4%	NM	NM	14	13	18	21	2	2
Ohio	0	0	-22.5%	0	0	0	0	0	0	0	0
Wisconsin	6	6	-4.4%	3	3	0	0	0	0	NM	NM
West North Central	43	42	2.0%	26	25	9	9	NM	NM	NM	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	33	31	7.1%	16	14	9	9	NM	NM	NM	5
Missouri	7	8	-16.6%	7	8	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	391	346	13.0%	21	0	185	197	20	19	165	130
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	278	241	15.3%	21	0	111	119	0	0	147	122
Georgia	15	6	154.4%	0	0	0	0	0	0	15	6
Maryland	29	29	-0.9%	0	0	29	29	NM	NM	0	0
North Carolina	21	21	1.0%	0	0	21	21	0	0	0	0
South Carolina	4	3	37.6%	0	0	NM	NM	0	0	4	2
Virginia	43	46	-5.0%	0	0	23	27	20	19	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7	6	13.1%	5	4	0	0	0	0	2	2
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	5	4	13.9%	5	4	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	2	2	13.0%	0	0	0	0	0	0	2	2
West South Central	105	89	18.3%	0	0	NM	NM	0	0	104	88
Arkansas	1	1	44.7%	0	0	0	0	0	0	1	1
Louisiana	36	35	2.0%	0	0	0	0	0	0	36	35
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	67	52	29.6%	0	0	NM	NM	0	0	66	51
Mountain	49	41	17.2%	NM	NM	29	22	0	0	17	17
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	28	21	32.2%	0	0	28	21	0	0	0	0
Nevada	NM	NM	NM	NM	NM	0	0	0	0	0	0
New Mexico	0	NM	NM	0	NM	0	0	0	0	0	0
Utah	14	14	1.4%	0	0	NM	NM	0	0	14	14
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	90	91	-1.3%	0	0	28	29	0	0	62	62
California	78	76	3.0%	0	0	18	19	0	0	60	57
Oregon	NM	NM	NM	0	0	NM	NM	0	0	0	0
Washington	8	12	-28.6%	0	0	6	7	0	0	2	5
Pacific Noncontiguous	17	19	-8.3%	0	0	1	0	16	19	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	17	19	-8.3%	0	0	1	0	16	19	0	0
U.S. Total	1,191	1,136	4.8%	57	43	583	597	110	115	440	382

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.16.B. Net Generation from Other Energy Sources

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	1,257	1,309	-4.0%	0	0	1,091	1,146	73	85	92	78
Connecticut	379	415	-8.6%	0	0	371	396	8	19	0	0
Maine	258	262	-1.5%	0	0	101	118	65	66	92	78
Massachusetts	577	590	-2.3%	0	0	577	590	0	0	0	0
New Hampshire	42	42	0.7%	0	0	42	42	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	1,525	1,572	-3.0%	0	0	1,218	1,267	307	305	0	0
New Jersey	334	358	-6.7%	0	0	238	265	96	93	0	0
New York	620	660	-6.1%	0	0	477	518	142	142	0	0
Pennsylvania	571	554	3.1%	0	0	502	483	69	70	0	0
East North Central	774	770	0.6%	47	99	104	104	141	130	482	437
Illinois	182	182	-0.5%	0	0	0	0	0	0	181	182
Indiana	289	278	4.2%	18	64	0	0	13	13	258	201
Michigan	255	268	-4.9%	9	17	104	104	128	117	14	30
Ohio	5	6	-18.0%	0	0	0	0	0	0	5	6
Wisconsin	44	36	20.8%	19	18	0	0	0	0	24	18
West North Central	302	289	4.6%	179	160	68	76	19	17	37	36
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	239	243	-1.5%	116	114	68	76	19	17	37	36
Missouri	40	23	75.4%	40	23	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	23	24	-1.4%	23	24	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,739	2,662	2.9%	44	0	1,423	1,469	138	141	1,135	1,052
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	1,969	1,879	4.8%	44	0	875	904	0	0	1,050	976
Georgia	60	50	19.4%	0	0	8	0	0	0	53	50
Maryland	208	210	-1.0%	0	0	208	210	NM	NM	0	0
North Carolina	155	155	-0.2%	0	0	155	155	0	0	0	0
South Carolina	36	31	18.9%	0	0	NM	5	0	0	32	26
Virginia	311	336	-7.6%	0	0	173	195	137	141	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	51	22	131.1%	35	12	0	0	0	0	17	10
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	35	12	186.3%	35	12	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	14	7	83.6%	0	0	0	0	0	0	14	7
West South Central	806	529	52.5%	0	0	NM	4	0	0	801	525
Arkansas	9	9	-5.6%	0	0	0	0	0	0	9	9
Louisiana	303	266	13.8%	0	0	0	0	0	0	303	266
Oklahoma	9	7	38.4%	0	0	0	0	0	0	9	7
Texas	486	247	96.5%	0	0	NM	4	0	0	481	244
Mountain	293	326	-10.1%	17	17	213	172	0	0	63	138
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	29	33	-10.4%	0	0	NM	8	0	0	24	25
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	206	161	28.0%	0	0	206	161	0	0	0	0
Nevada	16	16	2.3%	16	16	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	42	116	-64.0%	0	0	NM	NM	0	0	39	113
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	658	666	-1.2%	0	0	208	220	0	0	450	446
California	548	549	-0.2%	0	0	137	146	0	0	411	403
Oregon	24	25	-4.1%	0	0	24	25	0	0	0	0
Washington	87	92	-6.2%	0	0	48	49	0	0	39	43
Pacific Noncontiguous	134	153	-12.4%	NM	24	4	4	124	125	0	0
Alaska	NM	24	NM	NM	24	0	0	0	0	0	0
Hawaii	128	130	-1.6%	0	0	4	4	124	125	0	0
U.S. Total	8,540	8,299	2.9%	328	312	4,334	4,461	801	803	3,077	2,723

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
				August 2015	August 2014	August 2015	August 2014				
New England	103	94	9.2%	14	14	86	79	NM	NM	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	54	46	16.5%	0	0	54	46	0	0	0	0
Massachusetts	13	11	21.8%	NM	NM	7	6	NM	NM	NM	0
New Hampshire	19	21	-10.4%	0	0	19	21	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	16	16	0.0%	10	11	6	5	0	0	0	0
Middle Atlantic	319	350	-8.7%	0	0	319	349	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	195	185	5.3%	0	0	195	185	0	0	NM	NM
Pennsylvania	123	163	-24.7%	0	0	123	163	0	0	0	0
East North Central	997	702	42.2%	162	75	833	625	NM	NM	NM	NM
Illinois	446	352	26.8%	NM	NM	445	351	NM	0	0	0
Indiana	165	101	63.2%	0	0	164	101	NM	NM	0	0
Michigan	247	157	57.5%	100	40	147	117	0	0	0	0
Ohio	46	37	25.1%	NM	NM	43	35	0	0	NM	NM
Wisconsin	94	56	69.3%	60	34	33	21	0	0	0	0
West North Central	3,123	2,144	45.7%	970	549	2,151	1,593	NM	NM	0	0
Iowa	1,004	543	84.9%	576	299	428	244	NM	NM	0	0
Kansas	697	733	-4.9%	59	59	637	674	0	0	0	0
Minnesota	590	290	103.8%	116	60	472	228	NM	NM	0	0
Missouri	47	49	-3.0%	0	0	47	49	0	0	0	0
Nebraska	215	126	71.0%	17	11	198	115	0	0	0	0
North Dakota	387	283	36.7%	154	90	233	193	0	0	0	0
South Dakota	183	121	51.4%	47	30	135	91	0	0	0	0
South Atlantic	57	78	-27.2%	0	0	56	78	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	12	14	-8.9%	0	0	12	14	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	44	64	-31.3%	0	0	44	64	0	0	0	0
East South Central	1	2	-0.5%	0	0	1	2	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	2	-0.5%	0	0	1	2	0	0	0	0
West South Central	4,152	3,341	24.3%	111	136	4,039	3,203	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	961	781	23.1%	87	113	874	668	0	0	0	0
Texas	3,192	2,560	24.6%	24	23	3,165	2,535	NM	NM	0	0
Mountain	1,276	985	29.5%	120	114	1,154	869	NM	NM	NM	NM
Arizona	30	26	14.0%	0	0	30	26	0	0	0	0
Colorado	560	365	53.4%	10	10	549	354	NM	NM	NM	NM
Idaho	165	130	27.5%	11	7	154	122	0	0	0	0
Montana	117	100	17.1%	12	11	104	89	0	0	0	0
Nevada	23	19	22.4%	0	0	23	19	0	0	0	0
New Mexico	125	104	20.4%	0	0	125	103	NM	NM	0	0
Utah	52	50	3.0%	0	0	52	50	0	0	0	0
Wyoming	204	192	6.3%	86	86	117	105	0	0	0	0
Pacific Contiguous	2,958	2,441	21.2%	599	499	2,359	1,942	NM	NM	NM	NM
California	1,505	1,312	14.8%	87	136	1,418	1,176	NM	NM	NM	NM
Oregon	737	639	15.3%	148	136	589	503	0	0	0	0
Washington	716	490	46.1%	364	227	352	263	0	0	0	0
Pacific Noncontiguous	53	61	-12.7%	NM	NM	46	56	0	0	0	0
Alaska	10	NM	NM	NM	NM	NM	NM	0	0	0	0
Hawaii	43	54	-19.2%	0	0	43	54	0	0	0	0
U.S. Total	13,040	10,197	27.9%	1,982	1,392	11,045	8,796	NM	NM	NM	NM

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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 1.17.B. Net Generation from Wind

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
New England	1,423	1,317	8.1%	179	163	1,212	1,133	28	21	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	768	692	11.0%	0	0	768	692	0	0	0	0
Massachusetts	146	149	-2.0%	39	43	83	85	20	21	NM	0
New Hampshire	281	276	1.7%	0	0	281	276	0	0	0	0
Rhode Island	12	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	216	195	10.7%	140	120	76	75	0	0	0	0
Middle Atlantic	4,743	4,851	-2.2%	0	0	4,740	4,849	0	0	NM	NM
New Jersey	10	8	23.9%	0	0	10	8	0	0	0	0
New York	2,565	2,567	-0.1%	0	0	2,562	2,564	0	0	NM	NM
Pennsylvania	2,167	2,276	-4.8%	0	0	2,167	2,276	0	0	0	0
East North Central	13,621	13,077	4.2%	1,457	1,302	12,136	11,754	NM	NM	25	21
Illinois	6,257	6,666	-6.1%	7	8	6,247	6,658	NM	0	0	0
Indiana	2,651	2,140	23.9%	0	0	2,650	2,139	NM	NM	0	0
Michigan	2,962	2,425	22.2%	790	597	2,172	1,828	0	0	0	0
Ohio	732	769	-4.8%	10	10	703	738	0	0	20	21
Wisconsin	1,019	1,077	-5.4%	649	687	365	390	0	0	NM	0
West North Central	32,298	31,861	1.4%	10,471	9,454	21,807	22,386	19	21	0	0
Iowa	10,974	10,420	5.3%	6,458	5,728	4,513	4,690	NM	NM	0	0
Kansas	6,735	7,280	-7.5%	561	605	6,174	6,675	0	0	0	0
Minnesota	5,827	5,882	-0.9%	1,216	1,259	4,594	4,604	17	19	0	0
Missouri	615	755	-18.5%	0	0	615	755	0	0	0	0
Nebraska	2,013	1,567	28.5%	148	139	1,865	1,428	0	0	0	0
North Dakota	4,211	4,089	3.0%	1,646	1,291	2,565	2,798	0	0	0	0
South Dakota	1,922	1,867	3.0%	442	432	1,480	1,435	0	0	0	0
South Atlantic	1,168	1,119	4.4%	0	0	1,165	1,116	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	264	191	38.2%	0	0	264	191	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	901	925	-2.6%	0	0	901	925	0	0	0	0
East South Central	28	33	-15.6%	0	0	28	33	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	28	33	-15.6%	0	0	28	33	0	0	0	0
West South Central	36,252	34,807	4.2%	1,113	1,337	35,117	33,461	21	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	8,641	7,958	8.6%	929	1,132	7,712	6,826	0	0	0	0
Texas	27,612	26,849	2.8%	185	205	27,405	26,636	21	NM	0	0
Mountain	11,940	13,348	-10.5%	1,351	1,632	10,578	11,703	10	10	NM	NM
Arizona	276	344	-19.8%	0	0	276	344	0	0	0	0
Colorado	4,828	4,769	1.2%	96	123	4,722	4,635	NM	8	NM	NM
Idaho	1,515	1,858	-18.4%	88	109	1,427	1,749	0	0	0	0
Montana	1,240	1,222	1.5%	138	148	1,102	1,074	0	0	0	0
Nevada	200	197	1.5%	0	0	200	197	0	0	0	0
New Mexico	1,182	1,577	-25.1%	0	0	1,180	1,575	NM	NM	0	0
Utah	415	479	-13.5%	0	0	415	479	0	0	0	0
Wyoming	2,285	2,903	-21.3%	1,028	1,252	1,257	1,650	0	0	0	0
Pacific Contiguous	18,596	21,069	-11.7%	3,872	4,401	14,717	16,665	NM	NM	NM	NM
California	9,342	10,485	-10.9%	573	930	8,762	9,552	NM	NM	NM	NM
Oregon	4,603	5,527	-16.7%	884	1,027	3,719	4,500	0	0	0	0
Washington	4,651	5,057	-8.0%	2,416	2,444	2,236	2,613	0	0	0	0
Pacific Noncontiguous	480	504	-4.8%	68	70	412	434	0	0	0	0
Alaska	98	102	-3.7%	68	70	30	32	0	0	0	0
Hawaii	382	402	-5.1%	0	0	382	402	0	0	0	0
U.S. Total	120,548	121,986	-1.2%	18,510	18,358	101,913	103,534	87	66	38	28

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 1.18.A. Net Generation from Biomass
by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
				August 2015	August 2014	August 2015	August 2014				
New England	686	672	2.2%	56	44	499	455	13	17	119	155
Connecticut	70	69	1.6%	0	0	70	66	0	NM	0	0
Maine	298	310	-3.9%	0	0	170	145	9	10	119	155
Massachusetts	104	105	-0.9%	0	0	104	105	0	NM	0	0
New Hampshire	149	131	13.9%	25	22	120	105	NM	NM	0	0
Rhode Island	20	19	4.9%	0	0	20	19	0	0	0	0
Vermont	46	38	19.6%	30	23	15	15	NM	NM	0	0
Middle Atlantic	514	526	-2.2%	27	0	374	401	41	45	72	79
New Jersey	87	91	-5.2%	0	0	74	78	13	14	0	0
New York	217	219	-1.1%	27	0	149	175	19	20	21	24
Pennsylvania	211	215	-2.0%	0	0	151	149	10	11	50	56
East North Central	530	571	-7.1%	64	61	299	322	21	25	147	162
Illinois	49	58	-15.9%	0	0	49	58	0	0	0	0
Indiana	32	34	-5.2%	27	29	0	0	NM	NM	NM	NM
Michigan	226	249	-9.4%	0	0	143	155	18	23	64	71
Ohio	68	72	-5.3%	NM	NM	39	40	0	0	27	31
Wisconsin	156	158	-1.3%	35	32	68	69	NM	NM	52	56
West North Central	177	178	-0.5%	50	42	78	79	5	8	44	48
Iowa	12	13	-8.6%	NM	2	7	8	NM	NM	0	1
Kansas	5	5	-4.2%	0	0	5	5	0	0	0	0
Minnesota	148	144	2.5%	39	32	64	64	NM	NM	43	47
Missouri	6	9	-29.5%	4	3	NM	2	0	3	NM	NM
Nebraska	5	6	-8.2%	4	4	0	0	NM	NM	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,635	1,562	4.7%	224	174	503	543	31	33	877	813
Delaware	5	5	-3.8%	0	0	5	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	407	436	-6.5%	31	8	199	246	NM	NM	176	179
Georgia	380	361	5.3%	0	0	61	61	NM	NM	317	298
Maryland	40	53	-24.4%	0	0	38	38	NM	NM	0	12
North Carolina	211	189	11.7%	0	0	98	110	5	6	107	73
South Carolina	188	178	5.3%	42	39	NM	9	0	0	137	131
Virginia	404	340	18.7%	151	127	93	74	21	20	139	119
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	539	554	-2.7%	8	9	29	27	0	0	502	518
Alabama	288	289	-0.4%	0	0	21	19	0	0	267	270
Kentucky	33	39	-16.8%	8	9	0	0	0	0	24	31
Mississippi	130	135	-3.8%	0	0	NM	NM	0	0	129	134
Tennessee	89	91	-2.2%	0	0	7	7	0	0	82	84
West South Central	555	571	-2.8%	6	0	96	91	NM	NM	450	477
Arkansas	120	136	-11.4%	0	0	8	9	NM	NM	112	126
Louisiana	234	243	-3.9%	0	0	6	7	0	0	227	236
Oklahoma	26	28	-5.9%	0	0	0	0	0	0	26	28
Texas	175	164	6.4%	6	0	81	75	NM	NM	85	86
Mountain	81	88	-8.0%	NM	3	55	55	0	0	23	29
Arizona	22	21	3.2%	NM	2	19	19	0	0	0	0
Colorado	7	7	-7.0%	0	0	7	7	0	0	0	0
Idaho	43	49	-13.5%	NM	NM	19	19	0	0	23	29
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	NM	2	NM	0	0	NM	2	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	6	6	-3.4%	0	0	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	863	893	-3.4%	64	64	502	506	77	88	221	236
California	615	623	-1.4%	15	15	457	462	75	85	67	61
Oregon	86	100	-14.3%	5	6	36	35	NM	NM	42	57
Washington	163	170	-4.1%	44	43	9	9	0	NM	111	118
Pacific Noncontiguous	42	33	24.6%	13	0	0	0	20	23	8	10
Alaska	NM	4	NM	0	0	0	0	NM	NM	0	NM
Hawaii	38	29	31.1%	13	0	0	0	17	19	8	10
U.S. Total	5,622	5,648	-0.5%	516	397	2,434	2,480	211	242	2,462	2,528

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

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.18.B. Net Generation from Biomass

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	5,047	5,099	-1.0%	402	411	3,537	3,313	109	123	999	1,252
Connecticut	526	514	2.4%	0	0	516	492	11	22	0	0
Maine	2,200	2,366	-7.0%	0	0	1,131	1,042	70	72	999	1,252
Massachusetts	763	787	-3.0%	0	0	763	786	NM	NM	0	0
New Hampshire	1,101	988	11.4%	210	222	865	739	26	27	0	0
Rhode Island	151	140	8.1%	0	0	151	140	0	0	0	0
Vermont	305	304	0.2%	191	189	112	113	NM	NM	0	0
Middle Atlantic	3,826	3,897	-1.8%	52	0	2,895	2,966	330	333	548	598
New Jersey	643	672	-4.3%	0	0	539	572	104	99	0	0
New York	1,577	1,623	-2.9%	52	0	1,221	1,292	148	154	156	178
Pennsylvania	1,606	1,602	0.3%	0	0	1,135	1,101	79	80	392	421
East North Central	3,935	4,224	-6.8%	402	454	2,262	2,477	154	145	1,117	1,148
Illinois	396	438	-9.6%	0	0	396	438	0	NM	0	0
Indiana	247	256	-3.3%	208	214	0	0	13	13	27	29
Michigan	1,684	1,866	-9.8%	0	0	1,077	1,227	133	123	474	516
Ohio	516	533	-3.3%	8	6	293	302	0	0	215	225
Wisconsin	1,091	1,130	-3.5%	186	233	496	510	8	9	401	378
West North Central	1,358	1,381	-1.7%	352	338	582	599	65	67	358	378
Iowa	96	106	-9.8%	17	17	56	57	17	18	5	14
Kansas	38	39	-2.9%	0	0	38	39	0	0	0	0
Minnesota	1,104	1,116	-1.1%	275	261	474	488	13	11	342	357
Missouri	70	71	-1.8%	28	27	14	15	24	27	NM	NM
Nebraska	44	45	-2.5%	32	33	0	0	11	11	0	0
North Dakota	6	4	71.3%	0	0	0	0	0	0	6	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	12,161	12,147	0.1%	1,277	1,086	3,934	4,090	248	255	6,702	6,716
Delaware	38	39	-2.9%	0	0	38	39	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,269	3,306	-1.1%	116	65	1,748	1,832	22	20	1,383	1,389
Georgia	2,895	2,736	5.8%	0	0	432	402	16	16	2,447	2,318
Maryland	364	393	-7.3%	0	0	274	277	22	23	68	93
North Carolina	1,520	1,690	-10.0%	0	0	701	857	40	42	779	790
South Carolina	1,371	1,533	-10.6%	296	303	63	66	0	0	1,012	1,164
Virginia	2,701	2,449	10.3%	864	718	676	616	148	154	1,012	961
West Virginia	NM	3	NM	0	0	NM	3	0	0	0	0
East South Central	4,091	4,231	-3.3%	64	67	203	198	0	0	3,823	3,966
Alabama	2,140	2,220	-3.6%	0	0	144	137	0	0	1,995	2,082
Kentucky	319	329	-2.9%	64	66	0	0	0	0	255	262
Mississippi	969	1,007	-3.7%	0	1	8	8	0	0	961	998
Tennessee	663	676	-1.9%	0	0	51	52	0	0	612	623
West South Central	4,206	4,309	-2.4%	82	0	561	698	27	27	3,536	3,584
Arkansas	1,026	1,059	-3.2%	0	0	71	74	NM	3	951	981
Louisiana	1,789	1,784	0.3%	0	0	49	51	0	0	1,740	1,733
Oklahoma	208	215	-3.4%	0	0	0	0	0	0	208	215
Texas	1,184	1,251	-5.3%	82	0	441	573	24	23	638	654
Mountain	672	689	-2.4%	24	28	408	408	0	0	240	253
Arizona	161	156	2.8%	17	17	144	139	0	0	0	0
Colorado	55	58	-5.9%	0	3	55	55	0	0	0	0
Idaho	383	399	-3.9%	7	7	136	138	0	0	240	253
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	16	16	-3.5%	0	0	16	16	0	0	0	0
New Mexico	12	12	-2.2%	0	0	12	12	0	0	0	0
Utah	46	47	-2.8%	0	0	46	47	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,383	6,515	-2.0%	456	411	3,635	3,658	642	689	1,650	1,757
California	4,529	4,632	-2.2%	135	128	3,316	3,331	624	671	453	502
Oregon	678	723	-6.2%	40	41	254	261	14	15	370	406
Washington	1,176	1,160	1.4%	281	242	64	66	NM	3	827	849
Pacific Noncontiguous	274	259	5.8%	36	19	0	0	158	160	80	80
Alaska	33	33	-0.6%	0	0	0	0	29	29	NM	4
Hawaii	241	226	6.7%	36	19	0	0	129	130	76	76
U.S. Total	41,952	42,750	-1.9%	3,147	2,813	18,017	18,406	1,734	1,799	19,054	19,731

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015		Percentage Change	Electric Utilities		Independent Power Producers		August 2015		August 2015	
	August 2015	August 2014		August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 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	320	287	11.3%	23	22	297	265	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	5	NM	0	0	NM	5	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	273	240	13.9%	0	0	273	240	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	40	41	-2.5%	23	22	18	19	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,073	1,082	-0.8%	70	71	1,003	1,010	0	0	0	0
California	1,063	1,071	-0.7%	70	71	993	1,000	0	0	0	0
Oregon	10	11	-9.3%	0	0	10	11	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	13	94.5%	0	0	25	13	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	13	94.5%	0	0	25	13	0	0	0	0
U.S. Total	1,417	1,382	2.6%	93	93	1,325	1,289	0	0	0	0

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.19.B. Net Generation from Geothermal

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities August 2015 YTD	Electric Utilities August 2014 YTD	Independent Power Producers August 2015 YTD	Independent Power Producers August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2,619	2,367	10.6%	169	180	2,450	2,187	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	37	33	11.8%	0	0	37	33	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,237	1,983	12.8%	0	0	2,237	1,983	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	333	339	-1.7%	169	180	164	158	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,454	8,444	0.1%	547	563	7,907	7,881	0	0	0	0
California	8,347	8,328	0.2%	547	563	7,800	7,765	0	0	0	0
Oregon	107	116	-7.7%	0	0	107	116	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	160	185	-13.5%	0	0	160	185	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	160	185	-13.5%	0	0	160	185	0	0	0	0
U.S. Total	11,233	10,996	2.2%	716	743	10,517	10,253	0	0	0	0

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 1.20.A. Net Generation from Solar
by State, by Sector, August 2015 and 2014 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015		Percentage Change	Electric Utilities		Independent Power Producers		August 2015		August 2015	
	August 2015	August 2014		August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	89	51	73.6%	NM	NM	87	50	NM	0	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	77	46	67.9%	NM	NM	75	44	NM	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	8	NM	NM	0	0	8	NM	0	0	0	0
Middle Atlantic	110	86	27.7%	10	NM	78	66	21	14	NM	NM
New Jersey	90	70	29.3%	10	NM	60	50	20	14	NM	NM
New York	11	8	33.7%	0	0	11	8	NM	0	0	0
Pennsylvania	9	8	8.0%	0	0	7	7	NM	NM	NM	NM
East North Central	40	29	37.5%	NM	NM	36	28	NM	NM	NM	0
Illinois	7	6	5.1%	NM	0	6	6	0	0	0	0
Indiana	25	17	51.7%	NM	0	23	17	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	8	6	28.3%	NM	NM	6	5	NM	NM	NM	0
Wisconsin	NM	0	--	0	0	NM	0	0	0	0	0
West North Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	--	0	0	NM	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	NM	NM	NM	0	0	NM	NM	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	279	148	88.5%	25	22	242	115	12	11	0	0
Delaware	7	6	15.7%	NM	NM	6	5	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29	24	21.1%	21	19	8	NM	NM	NM	0	0
Georgia	15	13	16.9%	NM	0	13	13	NM	NM	0	0
Maryland	17	12	44.9%	NM	NM	15	10	NM	NM	0	0
North Carolina	210	92	127.1%	NM	NM	198	82	11	10	0	0
South Carolina	NM	NM	NM	0	0	NM	NM	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	11	NM	NM	0	0	11	NM	NM	NM	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	11	NM	NM	0	0	11	NM	NM	NM	0	0
West South Central	49	39	25.9%	0	0	49	39	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	49	39	25.9%	0	0	49	39	NM	NM	0	0
Mountain	643	482	33.5%	68	53	560	421	14	7	NM	NM
Arizona	376	291	29.1%	53	43	320	246	NM	NM	0	0
Colorado	30	28	5.9%	0	0	28	27	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	165	103	60.0%	0	0	154	99	10	3	NM	NM
New Mexico	68	59	16.0%	15	10	53	49	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,645	1,067	54.1%	62	49	1,567	1,008	15	10	NM	NM
California	1,641	1,064	54.2%	61	48	1,565	1,005	15	10	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	117.1%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	10	7	55.0%	6	NM	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	10	7	55.0%	6	NM	NM	NM	0	0	0	0
U.S. Total	2,880	1,914	50.5%	176	134	2,637	1,734	64	44	NM	NM

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.20.B. Net Generation from Solar

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	591	315	87.6%	12	9	574	305	NM	NM	0	0
Connecticut	17	8	106.6%	0	0	17	8	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	510	275	85.2%	12	9	494	266	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	13	12	9.4%	0	0	13	12	0	0	0	0
Vermont	51	19	161.1%	0	0	51	19	0	0	0	0
Middle Atlantic	752	603	24.7%	68	38	532	455	143	101	9	9
New Jersey	620	487	27.3%	68	38	413	347	137	101	NM	NM
New York	69	56	22.3%	0	0	67	56	NM	0	0	0
Pennsylvania	63	60	5.9%	0	0	52	52	NM	NM	8	8
East North Central	262	191	37.2%	14	7	243	181	NM	NM	NM	0
Illinois	45	45	1.9%	NM	0	45	45	0	0	0	0
Indiana	161	103	56.7%	7	0	154	103	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	54	44	23.9%	7	7	42	34	NM	NM	NM	0
Wisconsin	NM	0	--	0	0	NM	0	0	0	0	0
West North Central	20	11	94.5%	0	0	20	11	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	--	0	0	NM	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	16	8	106.5%	0	0	16	8	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	1,711	998	71.4%	166	147	1,462	773	83	78	0	0
Delaware	45	43	6.2%	7	7	37	36	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	187	166	12.7%	136	127	50	37	NM	NM	0	0
Georgia	107	94	14.3%	10	0	95	91	NM	NM	0	0
Maryland	96	82	16.6%	8	8	83	70	NM	5	0	0
North Carolina	1,271	609	108.6%	6	6	1,193	534	73	69	0	0
South Carolina	NM	NM	NM	0	0	NM	NM	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	75	19	295.7%	0	0	73	17	NM	NM	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	75	19	295.7%	0	0	73	17	NM	NM	0	0
West South Central	283	207	36.4%	0	0	281	205	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	283	207	36.4%	0	0	281	205	NM	NM	0	0
Mountain	4,344	3,449	25.9%	472	349	3,788	3,045	81	53	NM	NM
Arizona	2,486	2,206	12.7%	371	278	2,100	1,912	15	15	0	0
Colorado	202	194	4.4%	0	0	189	181	13	13	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,170	674	73.6%	0	0	1,115	647	53	25	NM	NM
New Mexico	475	374	27.0%	101	71	374	303	0	0	0	0
Utah	11	NM	NM	0	0	11	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	10,629	6,606	60.9%	418	346	10,119	6,185	87	71	4	4
California	10,604	6,583	61.1%	412	340	10,101	6,168	87	71	4	4
Oregon	24	22	8.1%	6	6	18	16	0	0	0	0
Washington	1	1	18.5%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	52	30	74.5%	24	NM	28	27	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	52	30	74.5%	24	NM	28	27	0	0	0	0
U.S. Total	18,719	12,428	50.6%	1,174	899	17,120	11,204	407	311	17	15

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by Sector, 2003-August 2015 (Thousands Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,729	638,327	217,219	513	4,670
2014	854,416	636,173	212,998	269	4,976
Year 2013					
January	75,049	55,688	18,919	55	386
February	67,129	49,022	17,700	50	358
March	70,469	52,038	17,979	49	404
April	60,807	45,540	14,852	40	374
May	64,688	48,328	15,922	40	399
June	75,054	56,015	18,605	38	395
July	83,213	61,387	21,360	38	429
August	81,970	61,396	20,127	38	408
Sept	72,723	53,126	19,179	38	380
October	66,348	49,423	16,521	37	367
November	65,959	49,621	15,930	42	366
December	77,319	56,743	20,125	47	404
Year 2014					
January	83,600	62,364	20,755	31	449
February	76,252	56,134	19,675	30	413
March	72,234	52,897	18,876	27	435
April	58,151	42,217	15,546	20	369
May	64,018	47,901	15,694	18	405
June	74,488	56,639	17,393	21	435
July	81,580	61,315	19,793	21	450
August	81,164	61,258	19,444	20	442
Sept	69,242	51,465	17,335	19	422
October	61,323	45,819	15,103	16	385
November	64,633	47,394	16,841	21	376
December	67,730	50,769	16,543	24	394
Year 2015					
January	71,518	52,825	18,288	26	379
February	67,181	49,883	16,907	26	365
March	58,445	44,011	14,026	25	384
April	48,704	37,578	10,798	16	312
May	57,309	43,920	13,027	16	346
June	69,299	52,034	16,859	16	391
July	76,401	57,198	18,769	15	420
August	74,145	54,849	18,858	13	426
Year to Date					
2013	578,378	429,413	145,464	348	3,153
2014	591,488	440,726	147,176	188	3,398
2015	523,004	392,297	127,532	153	3,022
Rolling 12 Months Ending in August					
2014	873,839	649,640	218,931	353	4,915
2015	785,931	587,743	193,354	234	4,600

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2005-August 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	19,333	0	2,790	1,143	15,400
2013	18,350	0	2,416	843	15,090
2014	18,218	0	2,257	1,054	14,907
Year 2013					
January	1,699	0	225	94	1,381
February	1,527	0	198	88	1,242
March	1,631	0	203	83	1,345
April	1,442	0	192	59	1,191
May	1,479	0	194	66	1,219
June	1,428	0	197	63	1,168
July	1,527	0	219	63	1,245
August	1,496	0	215	63	1,218
Sept	1,404	0	196	58	1,150
October	1,470	0	164	53	1,253
November	1,599	0	212	70	1,318
December	1,647	0	203	83	1,362
Year 2014					
January	1,721	0	193	115	1,413
February	1,600	0	195	115	1,290
March	1,760	0	243	113	1,403
April	1,498	0	207	90	1,202
May	1,492	0	195	74	1,222
June	1,394	0	191	67	1,136
July	1,490	0	200	77	1,213
August	1,474	0	183	70	1,221
Sept	1,413	0	168	71	1,174
October	1,406	0	153	71	1,181
November	1,480	0	178	93	1,209
December	1,491	0	152	97	1,242
Year 2015					
January	1,583	0	176	102	1,306
February	1,387	0	166	92	1,129
March	1,521	0	170	92	1,259
April	1,305	0	121	71	1,113
May	1,318	0	139	68	1,111
June	1,245	0	152	48	1,045
July	1,353	0	152	53	1,148
August	1,392	69	143	50	1,130
Year to Date					
2013	12,230	0	1,642	579	10,009
2014	12,428	0	1,605	721	10,102
2015	11,103	69	1,218	575	9,240
Rolling 12 Months Ending in August					
2014	18,549	0	2,380	985	15,183
2015	16,893	69	1,870	908	14,046

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-August 2015 (Thousand Tons)

by Sector, 2005-August 2015 (thousand tons)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,065,281	761,349	276,135	1,922	25,875
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	845,066	615,467	208,085	1,450	20,065
2013	879,078	638,327	219,635	1,356	19,761
2014	872,634	636,173	215,255	1,323	19,883
Year 2013					
January	76,748	55,688	19,144	149	1,767
February	68,656	49,022	17,897	137	1,600
March	72,100	52,038	18,182	132	1,748
April	62,249	45,540	15,044	100	1,565
May	66,168	48,328	16,116	105	1,618
June	76,482	56,015	18,802	102	1,563
July	84,740	61,387	21,580	100	1,674
August	83,466	61,396	20,342	102	1,626
Sept	74,127	53,126	19,375	96	1,530
October	67,818	49,423	16,685	91	1,620
November	67,559	49,621	16,142	112	1,683
December	78,966	56,743	20,327	130	1,765
Year 2014					
January	85,321	62,364	20,948	146	1,862
February	77,852	56,134	19,870	145	1,703
March	73,994	52,897	19,119	140	1,838
April	59,650	42,217	15,752	109	1,571
May	65,510	47,901	15,889	92	1,627
June	75,882	56,639	17,584	88	1,571
July	83,070	61,315	19,992	98	1,664
August	82,638	61,258	19,627	90	1,663
Sept	70,655	51,465	17,503	91	1,596
October	62,729	45,819	15,256	88	1,566
November	66,112	47,394	17,019	114	1,585
December	69,221	50,769	16,695	121	1,636
Year 2015					
January	73,101	52,825	18,463	128	1,684
February	68,569	49,883	17,073	119	1,494
March	59,966	44,011	14,196	117	1,643
April	50,009	37,578	10,919	87	1,426
May	58,627	43,920	13,166	84	1,457
June	70,544	52,034	17,011	64	1,435
July	77,754	57,198	18,921	68	1,568
August	75,537	54,918	19,001	62	1,556
Year to Date					
2013	590,608	429,413	147,106	927	13,162
2014	603,917	440,726	148,782	909	13,500
2015	534,106	392,366	128,750	728	12,262
Rolling 12 Months Ending in August					
2014	892,387	649,640	221,311	1,338	20,099
2015	802,824	587,813	195,223	1,142	18,646

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal: synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

**Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation,
by Sector, 2005-August 2015 (Thousand Barrels)**

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
2005	165,137	98,223	62,154	580	4,180	
2006	73,821	53,529	17,179	327	2,786	
2007	82,433	56,910	22,793	250	2,480	
2008	53,846	38,995	13,152	160	1,538	
2009	43,562	31,847	9,880	184	1,652	
2010	40,103	30,806	8,278	164	855	
2011	27,326	20,844	5,633	133	716	
2012	22,604	17,521	4,110	272	702	
2013	23,231	16,827	5,494	328	582	
2014	32,084	20,197	10,682	565	640	
Year 2013						
January	2,962	1,809	1,036	47	69	
February	1,890	1,279	526	35	51	
March	1,639	1,334	232	24	50	
April	1,685	1,335	282	24	43	
May	1,789	1,419	294	20	55	
June	1,699	1,321	319	18	41	
July	2,546	1,732	740	31	43	
August	1,776	1,402	306	26	41	
Sept	1,591	1,170	361	19	40	
October	1,581	1,247	270	21	44	
November	1,657	1,305	282	24	46	
December	2,416	1,473	848	38	57	
Year 2014						
January	10,637	4,743	5,543	235	117	
February	3,131	1,896	1,090	75	70	
March	3,602	1,931	1,519	77	74	
April	1,498	1,245	205	19	NM	
May	1,629	1,318	251	20	40	
June	1,522	1,203	255	19	44	
July	1,710	1,344	306	20	40	
August	1,812	1,380	360	20	52	
Sept	1,678	1,358	259	18	43	
October	1,523	1,224	246	18	36	
November	1,673	1,274	323	21	55	
December	1,669	1,280	324	23	41	
Year 2015						
January	3,395	2,128	1,119	72	76	
February	8,847	3,716	4,811	219	102	
March	1,834	1,270	469	30	65	
April	1,555	1,273	215	19	48	
May	1,747	1,301	369	23	55	
June	1,782	1,430	265	23	65	
July	2,068	1,558	420	28	62	
August	1,884	1,466	332	24	61	
Year to Date						
2013	15,986	11,632	3,734	226	394	
2014	25,541	15,061	9,530	485	465	
2015	23,113	14,142	7,999	439	533	
Rolling 12 Months Ending in August						
2014	32,786	20,256	11,290	587	NM	
2015	29,656	19,278	9,151	518	708	

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

**Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output,
by Sector, 2005-August 2015 (Thousand Barrels)**

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	3,456	0	1,050	498	1,908
2014	4,289	0	1,197	869	2,223
Year 2013					
January	473	0	63	214	196
February	311	0	79	55	178
March	235	0	89	3	143
April	245	0	89	3	153
May	248	0	92	7	149
June	230	0	86	6	139
July	220	0	90	13	117
August	209	0	90	5	114
Sept	203	0	94	3	106
October	229	0	99	10	120
November	234	0	88	12	134
December	619	0	92	167	360
Year 2014					
January	1,113	0	193	381	539
February	486	0	98	123	266
March	491	0	109	132	251
April	225	0	88	21	NM
May	248	0	92	28	128
June	268	0	90	28	150
July	253	0	98	28	127
August	266	0	96	31	138
Sept	203	0	65	22	116
October	217	0	98	18	101
November	283	0	95	26	162
December	235	0	75	30	130
Year 2015					
January	570	0	107	121	341
February	1,005	0	198	362	444
March	313	0	90	46	178
April	250	0	84	21	145
May	277	0	87	31	159
June	255	0	84	31	140
July	274	0	98	40	135
August	237	1	93	31	112
Year to Date					
2013	2,171	0	678	306	1,188
2014	3,350	0	864	773	1,714
2015	3,180	1	841	684	1,654
Rolling 12 Months Ending in August					
2014	4,635	0	1,236	965	NM
2015	4,118	1	1,175	780	2,162

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum 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-August 2015 (Thousand Barrels)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
2005	185,631	98,223	63,546	1,584	22,278	
2006	87,898	53,529	18,332	886	15,150	
2007	95,895	56,910	24,097	691	14,198	
2008	61,379	38,995	14,463	621	7,300	
2009	51,690	31,847	11,181	477	8,185	
2010	44,968	30,806	9,364	376	4,422	
2011	31,152	20,844	6,637	301	3,370	
2012	25,702	17,521	5,102	394	2,685	
2013	26,687	16,827	6,544	826	2,490	
2014	36,373	20,197	11,879	1,433	2,863	
Year 2013						
January	3,435	1,809	1,099	261	265	
February	2,202	1,279	604	90	229	
March	1,874	1,334	321	27	193	
April	1,930	1,335	371	27	196	
May	2,037	1,419	386	27	204	
June	1,929	1,321	405	24	179	
July	2,766	1,732	829	44	160	
August	1,985	1,402	396	32	155	
Sept	1,794	1,170	455	22	146	
October	1,810	1,247	369	31	164	
November	1,891	1,305	369	36	181	
December	3,035	1,473	940	205	417	
Year 2014						
January	11,750	4,743	5,736	616	655	
February	3,618	1,896	1,188	197	337	
March	4,093	1,931	1,628	209	325	
April	1,722	1,245	293	41	NM	
May	1,876	1,318	342	48	168	
June	1,790	1,203	345	48	194	
July	1,964	1,344	405	48	167	
August	2,078	1,380	456	51	191	
Sept	1,881	1,358	324	40	159	
October	1,740	1,224	343	36	136	
November	1,957	1,274	419	47	217	
December	1,904	1,280	399	53	172	
Year 2015						
January	3,965	2,128	1,226	193	417	
February	9,852	3,716	5,009	582	546	
March	2,148	1,270	559	76	243	
April	1,804	1,273	299	40	193	
May	2,024	1,301	455	54	214	
June	2,037	1,430	349	54	205	
July	2,342	1,558	518	68	197	
August	2,121	1,467	425	56	173	
Year to Date						
2013	18,157	11,632	4,411	532	1,582	
2014	28,891	15,061	10,393	1,257	2,179	
2015	26,292	14,143	8,841	1,123	2,186	
Rolling 12 Months Ending in August						
2014	37,421	20,256	12,526	1,552	NM	
2015	33,774	19,279	10,326	1,299	2,870	

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum 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-August 2015 (Thousand Tons)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
2005	8,330	4,130	3,746	1	452	
2006	7,363	3,619	3,286	1	456	
2007	6,036	2,808	2,715	2	512	
2008	5,417	2,296	2,704	1	416	
2009	4,821	2,761	1,724	1	335	
2010	4,994	3,325	1,354	2	313	
2011	5,012	3,449	1,277	1	286	
2012	3,675	2,105	756	1	812	
2013	4,852	3,409	779	1	662	
2014	4,325	3,356	598	2	369	
Year 2013						
January	385	253	67	0	65	
February	314	220	62	0	32	
March	364	236	67	0	60	
April	342	217	62	0	63	
May	469	361	41	0	68	
June	476	348	63	0	66	
July	474	337	72	0	65	
August	491	332	93	0	66	
Sept	442	326	60	0	57	
October	404	289	64	0	51	
November	308	217	60	0	30	
December	381	272	69	0	39	
Year 2014						
January	443	349	55	0	39	
February	367	276	57	0	35	
March	431	332	57	0	42	
April	298	212	55	0	30	
May	383	301	49	0	33	
June	407	326	46	0	35	
July	366	285	53	0	29	
August	364	286	50	0	28	
Sept	352	268	61	0	23	
October	222	177	23	0	21	
November	278	221	33	0	24	
December	414	322	60	0	31	
Year 2015						
January	386	300	57	0	30	
February	404	317	57	0	30	
March	279	196	61	0	23	
April	297	211	59	0	27	
May	343	261	59	0	23	
June	307	235	55	0	18	
July	421	334	59	0	28	
August	397	311	59	0	27	
Year to Date						
2013	3,316	2,304	526	1	485	
2014	3,059	2,366	421	1	270	
2015	2,835	2,164	465	1	205	
Rolling 12 Months Ending in August						
2014	4,595	3,471	674	2	447	
2015	4,102	3,154	642	2	304	

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2005-August 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,346	0	113	11	1,222
2013	1,486	0	96	11	1,379
2014	1,495	0	90	16	1,389
Year 2013					
January	137	0	9	2	127
February	103	0	7	1	94
March	129	0	9	1	119
April	114	0	9	0	105
May	130	0	8	0	123
June	130	0	5	0	125
July	140	0	9	0	132
August	162	0	8	1	152
Sept	115	0	7	1	107
October	118	0	9	1	108
November	92	0	8	1	83
December	115	0	9	1	105
Year 2014					
January	118	0	9	2	108
February	103	0	7	1	95
March	113	0	8	2	103
April	104	0	9	2	93
May	72	0	8	1	63
June	80	0	0	0	79
July	166	0	5	0	161
August	177	0	9	2	167
Sept	158	0	9	2	147
October	121	0	9	1	110
November	139	0	9	2	128
December	145	0	9	2	134
Year 2015					
January	129	0	10	2	117
February	123	0	9	2	112
March	121	0	8	2	111
April	103	0	10	1	92
May	103	0	10	0	93
June	84	0	9	0	76
July	93	0	9	0	84
August	91	0	9	2	81
Year to Date					
2013	1,045	0	63	6	976
2014	933	0	54	9	870
2015	848	0	73	9	766
Rolling 12 Months Ending in August					
2014	1,373	0	86	14	1,273
2015	1,410	0	109	16	1,285

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-August 2015 (Thousand Tons)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
2005	9,113	4,130	3,953	9	1,020	
2006	8,622	3,619	3,482	10	1,511	
2007	7,299	2,808	2,877	12	1,602	
2008	6,314	2,296	2,823	10	1,184	
2009	5,828	2,761	1,850	9	1,209	
2010	6,053	3,325	1,452	12	1,264	
2011	6,092	3,449	1,388	6	1,248	
2012	5,021	2,105	869	13	2,034	
2013	6,338	3,409	875	12	2,041	
2014	5,820	3,356	688	18	1,758	
Year 2013						
January	522	253	76	2	191	
February	416	220	69	2	126	
March	493	236	76	2	180	
April	456	217	71	0	168	
May	600	361	48	0	191	
June	606	348	68	0	191	
July	614	337	80	0	197	
August	653	332	101	2	218	
Sept	558	326	67	1	164	
October	522	289	73	1	158	
November	400	217	68	1	114	
December	496	272	78	2	144	
Year 2014						
January	561	349	64	2	146	
February	471	276	63	2	130	
March	544	332	65	2	144	
April	401	212	64	2	124	
May	455	301	57	1	97	
June	487	326	46	0	115	
July	532	285	57	0	190	
August	541	286	59	2	194	
Sept	510	268	70	2	170	
October	342	177	32	2	131	
November	417	221	42	2	152	
December	559	322	69	2	165	
Year 2015						
January	516	300	67	3	147	
February	528	317	65	2	143	
March	400	196	69	2	133	
April	400	211	68	2	119	
May	446	261	69	0	116	
June	392	235	64	0	93	
July	513	334	68	0	111	
August	488	311	68	2	108	
Year to Date						
2013	4,362	2,304	590	7	1,461	
2014	3,991	2,366	475	10	1,140	
2015	3,683	2,164	538	11	971	
Rolling 12 Months Ending in August						
2014	5,968	3,471	761	16	1,720	
2015	5,512	3,154	751	19	1,589	

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2005-August 2015 (Million Cubic Feet)

by Sector, 2005-August 2015 (million cubic feet)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,596,299	3,970,447	3,917,131	66,570	642,152
2014	8,502,964	3,723,837	4,106,823	63,797	608,507
Year 2013					
January	666,650	310,174	296,071	5,247	55,159
February	599,100	278,139	266,731	4,807	49,424
March	637,349	293,545	285,259	5,365	53,180
April	595,667	268,467	272,544	5,095	49,562
May	646,296	295,973	294,795	5,160	50,369
June	771,868	363,204	349,597	5,582	53,485
July	949,141	432,493	451,078	7,169	58,401
August	937,197	442,939	430,139	6,449	57,671
Sept	784,619	365,005	361,481	6,005	52,128
October	669,764	312,216	300,858	4,993	51,697
November	633,885	284,526	291,241	4,881	53,237
December	704,762	323,768	317,338	5,817	57,840
Year 2014					
January	693,701	309,154	323,905	5,723	54,919
February	576,829	248,391	274,859	5,194	48,385
March	589,375	256,913	274,764	5,253	52,446
April	578,188	255,080	270,394	4,837	47,877
May	675,243	314,387	307,894	4,812	48,150
June	752,363	335,439	362,926	5,099	48,899
July	875,603	379,006	438,296	5,690	52,612
August	929,599	410,371	460,830	5,902	52,497
Sept	803,586	341,201	406,533	5,543	50,309
October	730,714	308,587	369,739	5,340	47,048
November	630,894	274,273	300,545	5,079	50,997
December	666,868	291,034	316,139	5,327	54,369
Year 2015					
January	744,386	327,173	357,433	5,408	54,372
February	674,793	307,810	316,262	4,633	46,088
March	740,011	335,198	352,615	5,328	46,870
April	691,236	318,449	323,944	4,598	44,245
May	764,989	348,546	361,959	5,603	48,881
June	920,110	429,496	433,664	5,378	51,572
July	1,078,451	507,350	510,597	5,878	54,626
August	1,057,595	493,127	504,751	6,022	53,695
Year to Date					
2013	5,803,270	2,684,932	2,646,215	44,873	427,250
2014	5,670,903	2,508,742	2,713,868	42,509	405,784
2015	6,671,571	3,067,149	3,161,224	42,849	400,349
Rolling 12 Months Ending in August					
2014	8,463,933	3,794,257	3,984,785	64,205	620,686
2015	9,503,632	4,282,244	4,554,179	64,137	603,072

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	882,385	0	303,177	51,057	528,151
2014	877,106	0	318,451	48,004	510,651
Year 2013					
January	74,638	0	25,440	4,277	44,920
February	67,391	0	23,519	3,883	39,989
March	73,151	0	25,107	4,051	43,993
April	70,245	0	23,817	3,571	42,857
May	70,784	0	24,040	3,703	43,041
June	70,610	0	24,349	4,045	42,216
July	78,649	0	27,553	4,968	46,128
August	78,207	0	27,452	4,811	45,943
Sept	72,884	0	24,996	4,358	43,529
October	72,095	0	23,964	4,137	43,993
November	73,889	0	25,253	4,336	44,300
December	79,843	0	27,687	4,915	47,241
Year 2014					
January	83,146	0	29,951	4,988	48,208
February	70,254	0	25,737	4,099	40,417
March	75,879	0	27,211	3,919	44,750
April	69,916	0	24,871	3,722	41,322
May	67,839	0	25,369	3,659	38,810
June	69,467	0	25,670	3,583	40,213
July	71,858	0	26,661	3,663	41,534
August	74,509	0	27,513	4,010	42,986
Sept	70,872	0	25,097	3,789	41,986
October	72,080	0	25,339	4,068	42,674
November	73,467	0	26,525	4,155	42,788
December	77,820	0	28,508	4,348	44,964
Year 2015					
January	79,631	0	28,268	4,862	46,501
February	72,565	0	25,489	4,536	42,540
March	81,551	0	28,867	4,724	47,960
April	75,604	0	26,206	4,112	45,286
May	74,244	0	25,618	4,146	44,480
June	73,210	0	25,733	4,113	43,364
July	80,178	0	27,811	4,511	47,856
August	79,459	978	27,302	4,564	46,616
Year to Date					
2013	583,675	0	201,277	33,310	349,088
2014	582,867	0	212,983	31,644	338,240
2015	616,443	978	215,293	35,569	364,603
Rolling 12 Months Ending in August					
2014	881,578	0	314,883	49,391	517,304
2015	910,682	978	320,762	51,929	537,014

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

by Sector, 2005-August 2015 (million cubic feet)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,478,685	3,970,447	4,220,309	117,626	1,170,303
2014	9,380,070	3,723,837	4,425,274	111,801	1,119,158
Year 2013					
January	741,288	310,174	321,512	9,524	100,079
February	666,492	278,139	290,249	8,690	89,413
March	710,500	293,545	310,365	9,417	97,174
April	665,912	268,467	296,361	8,666	92,419
May	717,080	295,973	318,835	8,863	93,410
June	842,478	363,204	373,946	9,627	95,701
July	1,027,790	432,493	478,631	12,137	104,529
August	1,015,404	442,939	457,592	11,260	103,614
Sept	857,503	365,005	386,477	10,363	95,657
October	741,859	312,216	324,822	9,130	95,691
November	707,774	284,526	316,494	9,218	97,537
December	784,605	323,768	345,024	10,732	105,081
Year 2014					
January	776,847	309,154	353,856	10,711	103,127
February	647,083	248,391	300,597	9,293	88,802
March	665,254	256,913	301,974	9,171	97,196
April	648,104	255,080	295,265	8,560	89,199
May	743,082	314,387	333,263	8,472	86,960
June	821,830	335,439	388,596	8,683	89,112
July	947,462	379,006	464,957	9,353	94,146
August	1,004,108	410,371	488,342	9,912	95,483
Sept	874,458	341,201	431,630	9,332	92,295
October	802,794	308,587	395,078	9,408	89,722
November	704,361	274,273	327,069	9,233	93,785
December	744,688	291,034	344,647	9,674	99,333
Year 2015					
January	824,017	327,173	385,701	10,270	100,873
February	747,358	307,810	341,750	9,169	88,628
March	821,562	335,198	381,482	10,052	94,830
April	766,840	318,449	350,150	8,711	89,531
May	839,233	348,546	387,577	9,750	93,361
June	993,320	429,496	459,397	9,491	94,936
July	1,158,629	507,350	538,407	10,390	102,482
August	1,137,055	494,105	532,053	10,586	100,311
Year to Date					
2013	6,386,944	2,684,932	2,847,492	78,183	776,337
2014	6,253,770	2,508,742	2,926,850	74,153	744,024
2015	7,288,014	3,068,127	3,376,517	78,418	764,952
Rolling 12 Months Ending in August					
2014	9,345,510	3,794,257	4,299,667	113,596	1,137,990
2015	10,414,314	4,283,221	4,874,941	116,066	1,140,086

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

by Sector, 2005-August 2015 (million cubic feet)					
Electric Power Sector					
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	141,899	11,490	123,064	4,797	2,548
2006	160,033	16,617	136,108	6,644	664
2007	166,774	17,442	144,104	4,598	630
2008	195,777	20,465	169,547	5,235	530
2009	206,792	19,583	180,689	5,931	589
2010	218,331	19,975	192,428	5,535	393
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	271,967	27,259	211,942	28,143	4,623
2014	313,570	33,312	247,487	27,676	5,096
Year 2013					
January	22,446	2,169	17,413	2,494	371
February	20,061	1,962	15,670	2,098	331
March	23,296	2,302	18,243	2,384	366
April	21,467	2,261	16,911	1,942	353
May	23,275	2,317	18,229	2,343	387
June	22,614	2,168	17,652	2,407	387
July	23,199	2,109	18,232	2,469	389
August	24,445	2,964	18,590	2,515	377
Sept	22,680	2,272	17,654	2,366	388
October	22,199	2,286	17,082	2,432	400
November	22,709	2,210	17,825	2,252	422
December	23,576	2,241	18,441	2,441	453
Year 2014					
January	27,091	2,832	21,015	2,743	501
February	23,537	2,481	18,251	2,398	408
March	26,931	2,849	21,125	2,511	446
April	26,222	2,788	20,736	2,280	418
May	26,175	2,785	20,799	2,205	385
June	26,101	2,787	20,855	2,083	376
July	27,329	2,917	21,786	2,228	398
August	26,616	2,829	21,057	2,320	411
Sept	25,348	2,717	20,111	2,131	389
October	26,154	2,799	20,625	2,295	434
November	25,486	2,731	20,286	2,016	453
December	26,580	2,798	20,841	2,466	476
Year 2015					
January	27,317	2,852	21,195	2,764	505
February	23,447	2,442	18,227	2,349	430
March	25,450	2,633	19,699	2,640	479
April	25,248	2,688	20,046	2,127	387
May	26,513	2,696	21,244	2,165	408
June	24,773	2,782	19,926	1,754	311
July	26,519	2,945	21,498	1,742	334
August	26,214	2,838	21,249	1,800	327
Year to Date					
2013	180,802	18,250	140,941	18,651	2,960
2014	210,003	22,267	165,624	18,767	3,344
2015	205,481	21,876	163,085	17,341	3,180
Rolling 12 Months Ending in August					
2014	301,167	31,276	236,626	28,259	5,006
2015	309,048	32,920	244,947	26,249	4,932

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2005-August 2015 (Million Cubic Feet)

by Sector, 2005-August 2015 (million cubic feet)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,923	0	965	435	522
2006	2,051	0	525	1,094	433
2007	1,988	0	386	1,102	501
2008	1,025	0	454	433	138
2009	793	0	545	176	72
2010	1,623	0	1,195	370	58
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	831	0	261	423	147
2014	1,803	0	1,016	596	191
Year 2013					
January	64	0	18	33	12
February	64	0	22	30	11
March	60	0	23	24	13
April	76	0	28	37	11
May	86	0	35	40	11
June	79	0	30	37	12
July	87	0	35	39	13
August	77	0	27	37	13
Sept	65	0	17	35	12
October	62	0	15	35	12
November	54	0	4	38	12
December	59	0	8	38	13
Year 2014					
January	230	0	127	72	31
February	211	0	114	59	37
March	152	0	82	51	19
April	83	0	49	34	0
May	88	0	49	35	4
June	65	0	37	28	0
July	73	0	42	31	0
August	80	0	46	34	0
Sept	75	0	44	31	0
October	234	0	134	72	28
November	264	0	153	75	36
December	247	0	139	73	35
Year 2015					
January	355	0	207	96	53
February	320	0	182	83	54
March	268	0	150	79	39
April	82	0	49	33	0
May	82	0	45	37	0
June	41	0	19	22	0
July	48	0	27	21	0
August	55	11	22	22	0
Year to Date					
2013	591	0	218	277	96
2014	982	0	546	345	92
2015	1,250	11	701	392	146
Rolling 12 Months Ending in August					
2014	1,222	0	589	491	142
2015	2,071	11	1,171	644	245

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-August 2015 (Million Cubic Feet)

by Sector, 2005-August 2015 (million cubic feet)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	143,822	11,490	124,030	5,232	3,070
2006	162,084	16,617	136,632	7,738	1,096
2007	168,762	17,442	144,490	5,699	1,131
2008	196,802	20,465	170,001	5,668	668
2009	207,585	19,583	181,234	6,106	661
2010	219,954	19,975	193,623	5,905	451
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	272,798	27,259	212,203	28,566	4,770
2014	315,373	33,312	248,503	28,272	5,287
Year 2013					
January	22,510	2,169	17,431	2,527	383
February	20,125	1,962	15,692	2,128	342
March	23,355	2,302	18,267	2,408	378
April	21,542	2,261	16,939	1,979	364
May	23,361	2,317	18,263	2,383	398
June	22,693	2,168	17,682	2,443	400
July	23,286	2,109	18,267	2,508	402
August	24,522	2,964	18,617	2,552	390
Sept	22,744	2,272	17,671	2,402	400
October	22,261	2,286	17,096	2,467	413
November	22,764	2,210	17,829	2,290	434
December	23,635	2,241	18,448	2,479	466
Year 2014					
January	27,321	2,832	21,142	2,814	532
February	23,748	2,481	18,365	2,457	445
March	27,083	2,849	21,207	2,562	465
April	26,305	2,788	20,785	2,314	418
May	26,263	2,785	20,848	2,240	389
June	26,166	2,787	20,892	2,111	376
July	27,402	2,917	21,828	2,259	398
August	26,695	2,829	21,102	2,354	411
Sept	25,423	2,717	20,155	2,162	389
October	26,388	2,799	20,759	2,367	463
November	25,750	2,731	20,439	2,092	489
December	26,827	2,798	20,980	2,539	511
Year 2015					
January	27,672	2,852	21,402	2,860	558
February	23,767	2,442	18,409	2,432	484
March	25,718	2,633	19,848	2,719	517
April	25,330	2,688	20,095	2,160	387
May	26,595	2,696	21,289	2,202	408
June	24,813	2,782	19,945	1,776	311
July	26,567	2,945	21,526	1,762	334
August	26,269	2,849	21,271	1,822	327
Year to Date					
2013	181,394	18,250	141,158	18,929	3,057
2014	210,985	22,267	166,170	19,112	3,436
2015	206,731	21,887	163,785	17,733	3,325
Rolling 12 Months Ending in August					
2014	302,389	31,276	237,215	28,750	5,148
2015	311,119	32,931	246,118	26,893	5,177

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2005-August 2015 (Million Cubic Feet)

by Sector, 2005-August 2015 (million cubic feet)					
Electric Power Sector					
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	19,370	560	17,033	1,753	25
2006	19,629	500	17,343	1,761	25
2007	19,576	553	17,116	1,785	122
2008	19,805	509	17,487	1,809	0
2009	19,669	465	17,048	2,155	0
2010	19,437	402	16,802	2,233	0
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	17,007	456	14,057	2,485	8
2014	15,755	444	13,069	2,234	8
Year 2013					
January	1,328	32	1,115	181	0
February	1,199	30	1,000	169	0
March	1,411	31	1,175	205	1
April	1,371	43	1,121	206	1
May	1,480	43	1,218	218	1
June	1,503	40	1,242	220	1
July	1,549	44	1,278	226	1
August	1,478	40	1,213	224	1
Sept	1,408	38	1,154	216	1
October	1,403	41	1,155	206	0
November	1,350	40	1,107	203	0
December	1,528	35	1,280	213	1
Year 2014					
January	1,288	28	1,064	194	1
February	1,126	24	944	157	1
March	1,344	38	1,121	185	1
April	1,305	44	1,077	183	0
May	1,341	42	1,120	179	0
June	1,328	40	1,105	183	0
July	1,409	44	1,166	198	0
August	1,388	38	1,152	198	0
Sept	1,312	38	1,090	185	0
October	1,300	40	1,074	185	1
November	1,304	32	1,080	191	1
December	1,310	36	1,076	197	1
Year 2015					
January	1,287	31	1,064	192	1
February	1,132	24	943	165	1
March	1,225	28	1,006	190	1
April	1,243	41	1,021	181	0
May	1,299	45	1,077	176	1
June	1,320	44	1,103	173	0
July	1,453	104	1,154	194	0
August	1,383	101	1,103	179	0
Year to Date					
2013	11,319	303	9,362	1,648	6
2014	10,528	299	8,749	1,477	4
2015	10,341	417	8,471	1,449	5
Rolling 12 Months Ending in August					
2014	16,217	452	13,444	2,314	6
2015	15,568	562	12,791	2,206	8

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	2,719	0	623	1,536	560
2006	2,840	0	725	1,595	520
2007	2,219	0	768	1,136	315
2008	2,328	0	806	1,514	8
2009	2,426	0	823	1,466	137
2010	2,287	0	819	1,316	152
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,865	0	517	1,160	187
2014	1,819	0	594	1,077	148
Year 2013					
January	156	0	42	98	17
February	143	0	40	91	12
March	167	0	47	104	16
April	164	0	40	109	15
May	153	0	32	105	16
June	167	0	47	103	17
July	158	0	45	95	18
August	155	0	44	93	17
Sept	152	0	39	97	16
October	150	0	46	91	13
November	141	0	46	82	14
December	159	0	48	94	16
Year 2014					
January	155	0	55	87	13
February	128	0	46	72	10
March	153	0	47	93	13
April	154	0	52	88	13
May	150	0	49	89	12
June	153	0	52	89	13
July	159	0	50	96	14
August	143	0	41	90	12
Sept	147	0	43	91	12
October	152	0	53	88	11
November	156	0	50	93	12
December	170	0	56	101	13
Year 2015					
January	173	0	66	94	13
February	129	0	46	74	9
March	163	0	58	93	12
April	154	0	51	90	12
May	152	0	45	94	12
June	147	0	43	91	13
July	177	0	53	108	16
August	153	0	50	91	13
Year to Date					
2013	1,263	0	338	797	128
2014	1,194	0	392	704	98
2015	1,248	0	413	735	99
Rolling 12 Months Ending in August					
2014	1,796	0	571	1,067	158
2015	1,873	0	614	1,109	149

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and

Useful Thermal Output, by Sector, 2005-August 2015 (Million Cubic Feet)

Period		Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
			Electric Utilities	Independent Power Producers		
Annual Totals						
2005		22,089	560	17,655	3,289	584
2006		22,469	500	18,068	3,356	545
2007		21,796	553	17,885	2,921	437
2008		22,134	509	18,294	3,323	8
2009		22,095	465	17,872	3,622	137
2010		21,725	402	17,621	3,549	152
2011		19,016	388	15,367	3,103	158
2012		18,954	418	14,757	3,577	203
2013		18,871	456	14,574	3,646	195
2014		17,574	444	13,663	3,311	156
Year 2013						
January		1,484	32	1,157	278	17
February		1,342	30	1,040	259	13
March		1,579	31	1,222	309	17
April		1,535	43	1,161	315	16
May		1,633	43	1,250	323	17
June		1,669	40	1,289	322	18
July		1,707	44	1,323	322	18
August		1,633	40	1,257	317	18
Sept		1,559	38	1,193	312	17
October		1,552	41	1,201	297	13
November		1,491	40	1,152	284	14
December		1,687	35	1,328	307	17
Year 2014						
January		1,442	28	1,119	281	14
February		1,253	24	990	229	10
March		1,497	38	1,168	278	13
April		1,459	44	1,130	272	14
May		1,491	42	1,169	268	12
June		1,481	40	1,156	271	13
July		1,568	44	1,216	294	14
August		1,531	38	1,193	288	13
Sept		1,459	38	1,132	276	13
October		1,452	40	1,127	273	13
November		1,460	32	1,131	284	14
December		1,480	36	1,132	298	14
Year 2015						
January		1,460	31	1,130	286	14
February		1,262	24	989	238	10
March		1,388	28	1,064	283	13
April		1,397	41	1,072	271	13
May		1,450	45	1,122	270	13
June		1,467	44	1,146	264	13
July		1,630	104	1,208	302	16
August		1,536	101	1,153	269	13
Year to Date						
2013		12,582	303	9,700	2,445	134
2014		11,723	299	9,141	2,181	102
2015		11,589	417	8,883	2,184	104
Rolling 12 Months Ending in August						
2014		18,012	452	14,015	3,381	164
2015		17,440	562	13,405	3,315	158

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	24	19	27.0%	5	1	18	17	0	0	1	1
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	1	41.0%	0	0	1	0	0	0	0	0
Massachusetts	18	17	4.0%	0	0	17	17	0	0	NM	1
New Hampshire	5	1	330.0%	5	1	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	3,169	3,111	1.8%	NM	NM	3,145	3,086	NM	0	23	24
New Jersey	45	81	-44.0%	0	0	45	81	0	0	0	0
New York	84	114	-27.0%	NM	NM	77	108	0	0	6	6
Pennsylvania	3,040	2,916	4.3%	0	0	3,023	2,897	NM	0	17	18
East North Central	16,182	18,127	-11.0%	10,303	12,905	5,788	5,115	4	6	88	101
Illinois	4,349	4,920	-12.0%	449	537	3,843	4,326	1	1	56	57
Indiana	3,899	4,620	-16.0%	3,642	4,364	255	252	1	3	NM	0
Michigan	2,798	3,006	-6.9%	2,760	2,966	23	20	2	1	13	18
Ohio	2,938	3,369	-13.0%	1,269	2,845	1,666	517	NM	NM	3	7
Wisconsin	2,197	2,211	-0.6%	2,182	2,192	0	0	NM	NM	15	18
West North Central	12,051	13,679	-12.0%	11,895	13,520	1	1	3	5	152	153
Iowa	1,867	2,229	-16.0%	1,786	2,151	0	0	3	3	78	75
Kansas	1,573	1,845	-15.0%	1,573	1,845	0	0	0	0	0	0
Minnesota	1,217	1,667	-27.0%	1,185	1,632	0	0	0	0	32	34
Missouri	3,762	4,315	-13.0%	3,759	4,310	1	1	0	2	2	2
Nebraska	1,466	1,500	-2.3%	1,433	1,467	0	0	0	0	33	33
North Dakota	2,026	1,985	2.1%	2,019	1,977	0	0	0	0	7	8
South Dakota	140	138	1.2%	140	138	0	0	0	0	0	0
South Atlantic	10,869	11,219	-3.1%	9,620	9,536	1,199	1,630	2	1	48	51
Delaware	34	0	--	0	0	34	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,878	2,200	-15.0%	1,800	2,117	75	80	0	0	3	3
Georgia	2,191	2,207	-0.7%	2,187	2,200	0	0	0	0	3	7
Maryland	493	455	8.4%	0	0	489	451	NM	NM	3	3
North Carolina	1,849	1,716	7.8%	1,785	1,647	59	64	1	0	4	4
South Carolina	926	1,088	-15.0%	921	1,084	0	0	0	0	5	4
Virginia	832	897	-7.3%	781	836	41	54	NM	NM	9	7
West Virginia	2,665	2,656	0.3%	2,145	1,652	500	981	0	0	21	23
East South Central	7,713	8,640	-11.0%	7,366	8,294	326	327	0	1	21	19
Alabama	2,268	2,445	-7.3%	2,266	2,442	0	0	0	0	2	3
Kentucky	3,101	3,660	-15.0%	3,101	3,660	0	0	0	0	0	0
Mississippi	581	752	-23.0%	255	424	326	327	0	0	0	0
Tennessee	1,764	1,783	-1.1%	1,746	1,767	0	0	0	1	19	16
West South Central	13,615	15,327	-11.0%	6,773	7,841	6,825	7,468	0	0	17	18
Arkansas	1,355	1,839	-26.0%	1,107	1,639	247	199	0	0	1	1
Louisiana	1,124	1,442	-22.0%	749	794	375	648	0	0	0	0
Oklahoma	1,691	1,913	-12.0%	1,526	1,773	149	122	0	0	16	17
Texas	9,445	10,134	-6.8%	3,391	3,635	6,053	6,499	0	0	0	0
Mountain	9,787	10,184	-3.9%	8,655	8,931	1,063	1,188	0	0	70	66
Arizona	1,895	2,189	-13.0%	1,895	2,189	0	0	0	0	0	0
Colorado	1,682	1,765	-4.7%	1,680	1,762	NM	2	0	0	NM	NM
Idaho	2	2	-3.7%	0	0	0	0	0	0	2	2
Montana	961	1,056	-9.0%	NM	NM	936	1,030	0	0	NM	NM
Nevada	252	319	-21.0%	196	238	56	80	0	0	0	0
New Mexico	1,101	973	13.0%	1,101	973	0	0	0	0	0	0
Utah	1,364	1,454	-6.2%	1,287	1,376	31	NM	0	0	47	43
Wyoming	2,531	2,425	4.3%	2,473	2,366	NM	NM	0	0	20	20
Pacific Contiguous	631	752	-16.0%	213	215	412	530	0	0	6	7
California	9	42	-79.0%	0	0	NM	36	0	0	6	6
Oregon	213	215	-0.8%	213	215	0	0	0	0	0	0
Washington	409	495	-17.0%	0	0	408	494	0	0	0	1
Pacific Noncontiguous	104	106	-1.7%	17	15	81	82	4	7	NM	NM
Alaska	39	40	-1.6%	17	15	18	18	4	7	0	0
Hawaii	65	66	-1.7%	0	0	63	64	0	0	NM	NM
U.S. Total	74,145	81,164	-8.6%	54,849	61,258	18,858	19,444	13	20	426	442

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	1,488	1,955	-24.0%	374	432	1,103	1,512	0	0	11	10
Connecticut	350	420	-17.0%	0	0	350	420	0	0	0	0
Maine	16	14	13.0%	0	0	10	8	0	0	7	6
Massachusetts	747	1,088	-31.0%	0	0	743	1,085	0	0	4	4
New Hampshire	374	432	-13.0%	374	432	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	24,141	29,576	-18.0%	NM	NM	23,952	29,370	11	5	174	194
New Jersey	581	876	-34.0%	0	0	581	876	0	0	0	0
New York	896	1,876	-52.0%	NM	NM	847	1,823	0	0	44	45
Pennsylvania	22,664	26,824	-16.0%	0	0	22,524	26,670	11	5	130	148
East North Central	116,642	131,975	-12.0%	80,335	93,482	35,559	37,626	34	55	714	812
Illinois	31,549	35,230	-10.0%	3,685	3,853	27,445	30,926	11	13	408	439
Indiana	27,862	34,106	-18.0%	26,017	32,315	1,832	1,765	10	22	3	4
Michigan	20,146	20,444	-1.5%	19,831	20,105	175	166	12	18	127	156
Ohio	22,209	27,250	-18.0%	16,061	22,415	6,107	4,770	1	1	41	64
Wisconsin	14,876	14,944	-0.5%	14,741	14,794	0	0	NM	1	135	149
West North Central	88,247	94,698	-6.8%	87,078	93,409	11	11	36	48	1,123	1,231
Iowa	13,384	13,993	-4.4%	12,792	13,357	0	0	24	32	568	604
Kansas	11,521	12,828	-10.0%	11,521	12,828	0	0	0	0	0	0
Minnesota	10,576	11,430	-7.5%	10,332	11,140	0	0	0	0	244	290
Missouri	26,731	30,229	-12.0%	26,693	30,178	11	11	12	16	16	24
Nebraska	10,150	10,357	-2.0%	9,905	10,105	0	0	0	0	246	252
North Dakota	15,410	14,638	5.3%	15,360	14,577	0	0	0	0	50	61
South Dakota	475	1,223	-61.0%	475	1,223	0	0	0	0	0	0
South Atlantic	78,154	89,501	-13.0%	66,377	74,544	11,420	14,525	20	15	336	417
Delaware	248	362	-31.0%	0	0	248	362	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	13,147	15,509	-15.0%	12,793	15,072	333	411	0	0	20	27
Georgia	14,927	17,085	-13.0%	14,895	17,014	0	0	0	0	31	71
Maryland	4,779	5,587	-14.0%	0	0	4,748	5,551	7	7	24	30
North Carolina	12,516	14,299	-12.0%	12,188	13,816	296	444	11	5	21	34
South Carolina	6,959	8,436	-18.0%	6,919	8,392	0	0	0	0	40	44
Virginia	5,390	6,477	-17.0%	4,990	5,934	344	468	NM	3	53	72
West Virginia	20,189	21,747	-7.2%	14,593	14,316	5,450	7,290	0	0	146	140
East South Central	54,817	61,906	-11.0%	52,392	59,569	2,257	2,141	2	4	165	191
Alabama	14,738	16,947	-13.0%	14,713	16,913	0	0	0	0	25	34
Kentucky	24,853	26,618	-6.6%	24,853	26,618	0	0	0	0	0	0
Mississippi	3,746	5,065	-26.0%	1,489	2,924	2,257	2,141	0	0	0	0
Tennessee	11,479	13,277	-14.0%	11,337	13,115	0	0	2	4	140	157
West South Central	87,330	105,157	-17.0%	43,660	53,786	43,573	51,241	0	0	96	130
Arkansas	9,261	13,526	-32.0%	7,626	12,183	1,626	1,332	0	0	9	10
Louisiana	7,659	8,490	-9.8%	4,388	3,388	3,271	5,101	0	0	0	0
Oklahoma	11,234	13,150	-15.0%	10,446	12,246	701	784	0	0	86	119
Texas	59,175	69,992	-15.0%	21,201	25,969	37,975	44,023	0	0	0	0
Mountain	69,051	71,989	-4.1%	61,348	64,335	7,363	7,302	0	0	340	352
Arizona	13,469	15,280	-12.0%	13,469	15,280	0	0	0	0	0	0
Colorado	12,099	12,288	-1.5%	12,085	12,268	11	18	0	0	NM	3
Idaho	13	14	-5.2%	0	0	0	0	0	0	13	14
Montana	6,718	6,429	4.5%	NM	174	6,536	6,248	0	0	5	7
Nevada	1,037	2,584	-60.0%	718	2,059	318	525	0	0	0	0
New Mexico	7,885	7,948	-0.8%	7,885	7,948	0	0	0	0	0	0
Utah	10,046	9,985	0.6%	9,656	9,563	218	239	0	0	172	182
Wyoming	17,784	17,462	1.8%	17,358	17,044	279	272	0	0	147	146
Pacific Contiguous	2,363	3,926	-40.0%	584	1,038	1,727	2,841	0	0	52	48
California	63	216	-71.0%	0	0	17	176	0	0	46	40
Oregon	584	1,038	-44.0%	584	1,038	0	0	0	0	0	0
Washington	1,716	2,672	-36.0%	0	0	1,710	2,665	0	0	6	7
Pacific Noncontiguous	771	806	-4.3%	144	123	566	608	50	61	NM	14
Alaska	334	320	4.4%	144	123	140	136	50	61	0	0
Hawaii	437	486	-10.0%	0	0	426	472	0	0	NM	14
U.S. Total	523,004	591,488	-12.0%	392,297	440,726	127,532	147,176	153	188	3,022	3,398

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Table 2.8.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector,
August 2015 and August 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	78	86	-9.2%	12	7	49	72	NM	6	NM	NM
Connecticut	17	22	-23.0%	NM	NM	16	20	NM	NM	NM	NM
Maine	28	27	1.8%	NM	NM	15	26	NM	NM	NM	NM
Massachusetts	22	29	-26.0%	NM	1	18	25	NM	NM	NM	NM
New Hampshire	NM	NM	NM	6	2	NM	NM	NM	NM	NM	NM
Rhode Island	NM	3	NM	NM	2	0	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	143	125	15.0%	43	19	88	95	6	NM	6	9
New Jersey	7	26	-74.0%	NM	NM	6	25	NM	NM	NM	NM
New York	84	53	60.0%	43	19	34	27	5	NM	2	6
Pennsylvania	52	46	13.0%	NM	NM	48	43	NM	NM	NM	NM
East North Central	88	115	-23.0%	64	87	21	26	NM	NM	3	1
Illinois	9	14	-36.0%	4	3	5	10	NM	NM	0	0
Indiana	20	22	-6.7%	18	20	0	0	NM	NM	2	1
Michigan	24	24	1.1%	24	23	0	0	0	0	0	NM
Ohio	27	47	-41.0%	14	32	13	14	NM	NM	NM	NM
Wisconsin	7	9	-17.0%	4	8	3	1	NM	NM	NM	NM
West North Central	41	44	-7.6%	39	43	NM	NM	NM	NM	NM	NM
Iowa	6	7	-15.0%	5	6	NM	NM	NM	NM	NM	NM
Kansas	6	10	-42.0%	6	10	0	0	0	0	0	0
Minnesota	5	3	50.0%	4	3	NM	NM	NM	NM	NM	NM
Missouri	14	13	5.6%	14	13	NM	NM	NM	NM	0	0
Nebraska	5	7	-33.0%	5	7	0	0	0	0	0	0
North Dakota	2	3	-26.0%	2	3	0	0	NM	NM	NM	NM
South Dakota	4	NM	NM	4	NM	NM	NM	NM	NM	0	0
South Atlantic	280	278	0.7%	217	230	41	31	NM	NM	10	6
Delaware	8	5	45.0%	NM	NM	8	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	53	84	-36.0%	51	82	NM	NM	0	0	NM	NM
Georgia	13	13	-4.0%	7	11	NM	NM	NM	NM	5	2
Maryland	35	30	17.0%	NM	4	20	15	NM	NM	NM	NM
North Carolina	22	27	-21.0%	20	25	NM	NM	NM	NM	NM	NM
South Carolina	16	15	4.0%	13	NM	NM	NM	NM	NM	2	1
Virginia	115	88	30.0%	104	81	10	6	NM	NM	NM	NM
West Virginia	19	15	24.0%	19	15	0	1	0	0	0	0
East South Central	46	46	-0.4%	42	43	NM	NM	NM	NM	NM	3
Alabama	10	9	12.0%	6	5	NM	NM	0	0	NM	3
Kentucky	17	26	-34.0%	17	26	0	0	0	0	0	0
Mississippi	1	NM	NM	1	NM	0	0	0	0	0	0
Tennessee	18	10	74.0%	18	10	0	0	NM	NM	NM	NM
West South Central	20	25	-20.0%	12	11	8	13	NM	NM	NM	1
Arkansas	5	5	-13.0%	4	1	0	4	0	0	0	1
Louisiana	1	8	-83.0%	1	4	0	4	0	0	0	0
Oklahoma	NM	NM	NM	NM	1	0	0	NM	NM	NM	NM
Texas	14	11	31.0%	6	5	7	5	NM	NM	NM	NM
Mountain	33	38	-14.0%	29	34	3	4	NM	NM	NM	NM
Arizona	6	3	71.0%	6	3	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	3	4	-19.0%	NM	NM	2	3	0	0	0	0
Nevada	4	3	41.0%	3	2	1	0	0	0	0	0
New Mexico	9	14	-34.0%	9	13	0	NM	0	0	NM	NM
Utah	3	1	119.0%	3	1	NM	NM	0	0	NM	NM
Wyoming	6	11	-41.0%	6	11	0	0	0	0	NM	NM
Pacific Contiguous	17	16	1.5%	9	9	NM	NM	NM	NM	2	1
California	13	11	20.0%	7	7	NM	NM	NM	NM	NM	NM
Oregon	1	1	-11.0%	1	1	0	0	NM	NM	0	0
Washington	2	4	-46.0%	NM	NM	NM	3	NM	NM	1	1
Pacific Noncontiguous	1,139	1,039	9.6%	999	896	115	113	1	NM	24	29
Alaska	147	126	17.0%	137	117	0	0	NM	NM	9	8
Hawaii	992	913	8.6%	862	779	115	113	1	0	15	21
U.S. Total	1,884	1,812	4.0%	1,466	1,380	332	360	24	20	61	52

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Table 2.8.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through August 2015 and August 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector		
				Electric Utilities		Independent Power Producers						
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2014 YTD
New England	3,349	3,548	-5.6%	320	490	2,829	2,872	115	144	84	42	
Connecticut	726	855	-15.0%	NM	NM	711	828	NM	NM	NM	NM	
Maine	890	502	77.0%	NM	NM	801	459	NM	NM	81	34	
Massachusetts	1,272	1,578	-19.0%	85	228	1,140	1,283	NM	65	NM	NM	
New Hampshire	282	444	-36.0%	200	207	67	220	NM	NM	NM	NM	
Rhode Island	149	122	22.0%	17	16	110	82	22	24	0	0	
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0	
Middle Atlantic	4,345	5,332	-19.0%	1,372	1,553	2,843	3,652	NM	NM	80	81	
New Jersey	454	782	-42.0%	NM	NM	449	769	NM	NM	NM	NM	
New York	2,929	3,451	-15.0%	1,371	1,550	1,459	1,811	NM	NM	53	49	
Pennsylvania	962	1,099	-12.0%	NM	NM	934	1,071	NM	NM	NM	NM	
East North Central	815	1,122	-27.0%	639	790	149	308	NM	NM	23	21	
Illinois	68	116	-41.0%	27	38	41	77	NM	NM	0	0	
Indiana	215	204	5.7%	199	192	0	0	NM	NM	15	11	
Michigan	168	187	-10.0%	162	180	0	0	2	2	3	5	
Ohio	315	533	-41.0%	207	305	103	223	NM	NM	NM	NM	
Wisconsin	49	83	-41.0%	43	75	5	8	NM	NM	1	1	
West North Central	435	556	-22.0%	418	528	NM	24	NM	NM	2	2	
Iowa	63	92	-32.0%	60	90	NM	NM	NM	NM	NM	NM	
Kansas	73	75	-3.0%	73	75	0	0	0	0	0	0	
Minnesota	54	103	-48.0%	40	78	NM	22	NM	NM	1	2	
Missouri	133	167	-20.0%	133	166	NM	NM	NM	NM	0	0	
Nebraska	40	73	-45.0%	40	73	0	0	0	0	0	0	
North Dakota	36	29	21.0%	35	29	0	0	NM	NM	0	0	
South Dakota	38	16	131.0%	37	16	NM	NM	NM	NM	0	0	
South Atlantic	4,744	5,723	-17.0%	3,416	3,851	986	1,515	255	279	88	79	
Delaware	217	254	-14.0%	NM	NM	217	253	0	0	0	0	
District of Columbia	0	0	--	0	0	0	0	0	0	0	0	
Florida	784	838	-6.5%	761	816	NM	NM	0	0	12	12	
Georgia	239	274	-13.0%	125	185	84	61	NM	NM	28	27	
Maryland	620	1,104	-44.0%	32	NM	336	792	251	276	NM	NM	
North Carolina	661	734	-9.8%	602	667	41	52	NM	NM	18	15	
South Carolina	364	472	-23.0%	322	423	NM	33	NM	NM	21	15	
Virginia	1,680	1,851	-9.2%	1,415	1,569	255	271	NM	NM	8	10	
West Virginia	178	197	-9.5%	158	154	20	43	0	0	0	0	
East South Central	505	628	-20.0%	442	571	27	23	NM	NM	37	34	
Alabama	138	169	-18.0%	77	114	27	23	0	0	34	33	
Kentucky	152	186	-18.0%	152	186	0	0	0	0	0	0	
Mississippi	26	NM	NM	25	NM	0	0	0	0	1	0	
Tennessee	189	253	-25.0%	187	252	0	0	NM	NM	NM	NM	
West South Central	337	246	37.0%	193	113	132	121	NM	NM	11	11	
Arkansas	70	28	150.0%	52	16	12	9	0	0	6	3	
Louisiana	101	62	63.0%	81	NM	20	35	0	0	0	5	
Oklahoma	NM	16	NM	6	16	0	0	NM	NM	NM	NM	
Texas	159	140	14.0%	55	59	100	77	NM	NM	NM	NM	
Mountain	303	318	-4.8%	271	283	31	34	NM	NM	NM	NM	
Arizona	61	83	-27.0%	60	83	0	0	NM	NM	0	0	
Colorado	18	19	-2.2%	18	18	0	0	NM	NM	NM	NM	
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0	
Montana	27	31	-12.0%	NM	NM	23	26	0	0	0	0	
Nevada	23	18	23.0%	19	16	NM	2	0	0	0	0	
New Mexico	101	93	9.1%	98	88	NM	NM	0	0	NM	NM	
Utah	23	30	-23.0%	22	28	NM	NM	0	0	NM	NM	
Wyoming	50	45	12.0%	50	45	0	0	0	0	NM	NM	
Pacific Contiguous	168	111	51.0%	53	61	68	35	NM	NM	44	13	
California	135	68	99.0%	43	40	60	22	NM	NM	32	NM	
Oregon	NM	NM	NM	7	12	0	0	NM	NM	0	0	
Washington	25	30	-16.0%	NM	NM	8	13	NM	NM	13	9	
Pacific Noncontiguous	8,111	7,955	2.0%	7,018	6,822	920	946	9	7	163	180	
Alaska	1,020	922	11.0%	957	863	0	0	3	3	60	56	
Hawaii	7,090	7,033	0.8%	6,061	5,960	920	946	6	3	103	124	
U.S. Total	23,113	25,541	-9.5%	14,142	15,061	7,999	9,530	439	485	533	465	

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	129	103	25.0%	82	64	42	33	0	0	5	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	41	26	61.0%	41	26	0	0	0	0	0	0
Michigan	39	36	8.0%	36	33	0	1	0	0	3	2
Ohio	42	31	33.0%	0	0	42	31	0	0	NM	0
Wisconsin	7	10	-33.0%	4	6	0	0	0	0	2	4
West North Central	NM	1	NM	0	0	0	0	0	0	NM	NM
Iowa	NM	1	NM	0	0	0	0	0	0	NM	NM
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	76	3	NM	74	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	74	0	--	74	0	0	0	0	0	0	0
Georgia	3	3	-13.0%	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	29	55	-47.0%	29	55	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	29	55	-47.0%	29	55	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	140	180	-23.0%	126	167	0	0	0	0	13	14
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	136	172	-21.0%	126	167	0	0	0	0	9	5
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	4	8	-54.0%	0	0	0	0	0	0	4	8
Mountain	16	16	1.4%	0	0	16	16	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	16	1.4%	0	0	16	16	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	397	364	9.2%	311	286	59	50	0	0	27	28

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 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	28	32	-11.0%	0	0	0	0	0	0	28	32
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	25	27	-7.1%	0	0	0	0	0	0	25	27
East North Central	869	855	1.6%	490	485	341	324	0	0	38	46
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	221	212	4.2%	221	212	0	0	0	0	0	0
Michigan	271	271	-0.1%	246	235	7	16	0	0	18	19
Ohio	335	309	8.6%	0	0	334	307	0	0	2	2
Wisconsin	42	63	-34.0%	24	37	0	0	0	0	18	25
West North Central	15	16	-5.1%	0	0	0	0	1	1	14	15
Iowa	15	16	-5.1%	0	0	0	0	1	1	14	15
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	422	464	-9.0%	402	442	0	0	0	0	20	22
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	402	442	-8.9%	402	442	0	0	0	0	0	0
Georgia	20	22	-10.0%	0	0	0	0	0	0	20	22
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	274	261	4.8%	274	261	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	274	261	4.8%	274	261	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	1,102	1,333	-17.0%	998	1,178	0	0	0	0	104	155
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,049	1,244	-16.0%	998	1,178	0	0	0	0	52	66
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	52	89	-41.0%	0	0	0	0	0	0	52	89
Mountain	122	91	34.0%	0	0	122	91	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	122	91	34.0%	0	0	122	91	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,835	3,059	-7.3%	2,164	2,366	465	421	1	1	205	270

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	50,145	39,948	26.0%	1,107	460	47,269	37,186	752	710	1,017	1,592
Connecticut	12,904	11,535	12.0%	0	4	12,075	10,566	NM	NM	NM	678
Maine	2,189	2,789	-22.0%	0	0	1,840	2,000	NM	NM	NM	761
Massachusetts	23,318	16,631	40.0%	935	422	21,877	15,741	362	328	NM	NM
New Hampshire	4,653	3,314	40.0%	172	30	4,450	3,256	NM	NM	NM	NM
Rhode Island	7,082	5,676	25.0%	0	0	7,027	5,623	NM	NM	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	129,653	110,818	17.0%	14,371	12,638	113,233	96,248	983	901	1,066	1,030
New Jersey	28,388	23,716	20.0%	NM	NM	27,806	23,168	NM	NM	NM	342
New York	54,028	46,754	16.0%	14,295	12,589	38,878	33,398	696	605	NM	NM
Pennsylvania	47,238	40,347	17.0%	NM	NM	46,549	39,682	NM	NM	NM	525
East North Central	60,215	46,497	30.0%	25,833	15,975	31,921	28,526	1,094	984	1,367	1,010
Illinois	8,294	6,223	33.0%	1,081	677	6,518	4,839	412	436	NM	271
Indiana	10,092	6,082	66.0%	7,859	3,418	1,701	2,309	NM	NM	414	317
Michigan	13,346	8,969	49.0%	3,036	2,741	9,473	5,655	281	237	556	336
Ohio	19,764	19,222	2.8%	5,906	6,146	13,562	12,788	NM	NM	NM	NM
Wisconsin	8,719	6,001	45.0%	7,951	2,993	667	2,935	62	44	39	29
West North Central	18,843	13,740	37.0%	15,244	11,844	2,950	1,401	399	284	250	209
Iowa	2,492	1,898	31.0%	2,382	1,809	NM	NM	NM	NM	NM	59
Kansas	2,651	2,866	-7.5%	2,522	2,750	0	0	0	0	129	116
Minnesota	6,368	3,317	92.0%	5,058	2,900	1,085	250	194	148	32	19
Missouri	5,603	4,445	26.0%	3,560	3,178	1,865	1,152	166	107	NM	NM
Nebraska	850	630	35.0%	850	630	0	0	0	0	0	0
North Dakota	56	NM	NM	48	0	0	0	0	0	NM	NM
South Dakota	824	578	43.0%	824	578	0	0	0	0	0	0
South Atlantic	228,433	203,257	12.0%	180,091	158,394	45,253	42,260	NM	534	2,567	2,069
Delaware	6,145	6,383	-3.7%	NM	NM	5,017	5,481	0	0	1,069	870
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	114,098	114,064	0.0%	106,330	104,031	6,923	9,179	NM	NM	818	832
Georgia	36,246	33,062	9.6%	22,663	21,569	13,175	11,342	0	0	408	152
Maryland	5,254	3,530	49.0%	0	0	4,814	3,079	NM	NM	NM	NM
North Carolina	25,028	20,682	21.0%	21,277	14,357	3,671	6,268	5	0	74	57
South Carolina	13,550	9,134	48.0%	12,273	8,410	1,255	700	NM	NM	NM	15
Virginia	26,149	15,655	67.0%	17,404	9,972	8,599	5,571	NM	NM	140	108
West Virginia	1,893	666	184.0%	85	24	1,800	638	0	0	NM	NM
East South Central	79,041	67,071	18.0%	46,156	33,287	31,599	31,551	NM	NM	1,137	2,091
Alabama	38,178	35,831	6.6%	10,320	8,212	27,169	26,991	0	0	689	627
Kentucky	2,477	1,215	104.0%	1,442	1,025	884	58	0	0	NM	NM
Mississippi	32,162	24,563	31.0%	28,420	18,797	3,547	4,502	NM	NM	186	1,254
Tennessee	6,224	5,462	14.0%	5,974	5,253	0	0	NM	NM	111	77
West South Central	284,916	262,599	8.5%	101,221	86,321	142,395	138,082	796	770	40,504	37,425
Arkansas	12,092	7,420	63.0%	4,438	1,475	7,517	5,820	NM	NM	136	124
Louisiana	51,395	48,265	6.5%	30,844	25,228	2,596	7,528	NM	NM	17,792	15,350
Oklahoma	28,059	26,033	7.8%	17,655	17,165	10,324	8,809	NM	NM	51	36
Texas	193,371	180,880	6.9%	48,285	42,453	121,958	115,925	604	587	22,524	21,915
Mountain	90,226	76,268	18.0%	63,713	47,017	25,428	28,239	309	340	776	673
Arizona	37,876	30,067	26.0%	20,025	12,698	17,742	17,248	NM	120	0	0
Colorado	9,317	8,572	8.7%	7,382	5,229	1,926	3,333	0	0	NM	NM
Idaho	3,623	2,798	29.0%	2,549	1,670	1,040	1,110	0	0	35	18
Montana	940	795	18.0%	823	696	NM	NM	0	0	0	0
Nevada	22,991	18,878	22.0%	21,395	14,983	1,364	3,700	NM	NM	176	NM
New Mexico	8,532	8,291	2.9%	5,902	6,037	2,557	2,177	NM	NM	0	0
Utah	6,588	6,597	-0.1%	5,586	5,670	652	548	NM	NM	278	300
Wyoming	359	270	33.0%	NM	NM	NM	NM	0	0	280	213
Pacific Contiguous	114,038	106,717	6.9%	43,386	41,809	64,702	57,337	1,015	1,233	4,935	6,339
California	92,163	84,539	9.0%	29,702	26,907	56,661	50,167	938	1,171	4,862	6,294
Oregon	11,612	10,533	10.0%	4,922	4,678	6,572	5,773	NM	NM	48	26
Washington	10,263	11,644	-12.0%	8,763	10,224	1,469	1,396	NM	NM	25	19
Pacific Noncontiguous	2,085	2,686	-22.0%	2,005	2,625	0	0	NM	NM	NM	NM
Alaska	2,085	2,686	-22.0%	2,005	2,625	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,057,595	929,599	14.0%	493,127	410,371	504,751	460,830	6,022	5,902	53,695	52,497

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	270,256	239,116	13.0%	3,159	2,531	254,897	221,227	5,214	5,196	6,986	10,161
Connecticut	82,376	72,395	14.0%	12	68	76,687	66,251	1,980	2,020	3,697	4,056
Maine	12,715	23,066	-45.0%	0	0	10,190	17,684	NM	NM	2,308	5,178
Massachusetts	110,449	93,876	18.0%	2,858	2,099	104,136	88,384	2,563	2,554	892	839
New Hampshire	29,093	19,582	49.0%	273	341	28,602	19,032	NM	NM	NM	NM
Rhode Island	35,607	30,174	18.0%	0	0	35,282	29,878	NM	297	0	0
Vermont	16	22	-28.0%	16	22	0	0	0	0	0	0
Middle Atlantic	784,501	700,912	12.0%	83,356	78,655	686,661	608,347	6,937	6,418	7,546	7,492
New Jersey	179,626	153,294	17.0%	NM	NM	175,683	149,412	1,092	1,072	2,490	2,545
New York	317,128	299,717	5.8%	82,933	78,360	228,110	215,641	4,921	4,500	1,165	1,216
Pennsylvania	287,746	247,902	16.0%	NM	NM	282,868	243,294	NM	846	3,891	3,731
East North Central	454,568	307,214	48.0%	185,067	116,719	251,608	175,921	7,793	6,918	10,100	7,656
Illinois	55,689	30,632	82.0%	4,143	2,970	46,395	22,645	3,272	3,268	1,879	1,749
Indiana	84,961	50,423	68.0%	66,961	33,996	14,528	13,782	599	246	2,873	2,399
Michigan	100,801	67,886	48.0%	23,347	18,390	70,985	45,035	1,986	1,625	4,483	2,837
Ohio	146,302	120,756	21.0%	49,085	42,130	95,332	76,829	1,443	1,426	441	372
Wisconsin	66,816	37,518	78.0%	41,531	19,234	24,367	17,630	493	354	425	300
West North Central	101,750	70,913	43.0%	85,793	59,850	11,658	7,658	2,408	1,863	1,890	1,542
Iowa	13,294	7,583	75.0%	12,439	6,894	NM	NM	307	238	548	451
Kansas	14,749	15,849	-6.9%	13,962	15,161	0	0	0	0	787	689
Minnesota	36,455	19,230	90.0%	30,530	15,121	4,051	2,695	1,480	1,127	395	287
Missouri	28,979	22,863	27.0%	20,685	17,353	7,607	4,963	621	497	NM	NM
Nebraska	3,634	3,145	16.0%	3,591	3,124	0	0	NM	NM	NM	NM
North Dakota	306	44	590.0%	254	1	0	0	0	0	52	44
South Dakota	4,334	2,198	97.0%	4,334	2,198	0	0	0	0	0	0
South Atlantic	1,540,550	1,272,673	21.0%	1,221,311	1,016,635	296,873	237,765	3,583	3,533	18,783	14,740
Delaware	40,204	33,313	21.0%	NM	NM	31,578	28,510	0	0	8,320	4,616
District of Columbia	NM	595	NM	0	0	0	0	NM	595	0	0
Florida	781,759	721,446	8.4%	728,693	668,844	46,761	46,154	NM	135	6,150	6,313
Georgia	242,393	184,102	32.0%	157,553	132,091	82,480	50,373	0	0	2,360	1,639
Maryland	29,584	16,934	75.0%	0	0	26,614	14,012	2,753	2,723	216	199
North Carolina	182,370	136,583	34.0%	146,705	94,498	35,138	41,281	29	2	499	803
South Carolina	84,501	61,445	38.0%	75,092	54,425	9,223	6,803	NM	NM	128	163
Virginia	170,356	114,044	49.0%	111,880	64,774	57,399	48,257	NM	NM	1,048	988
West Virginia	8,823	4,210	110.0%	1,081	1,817	7,680	2,375	0	0	NM	NM
East South Central	578,511	438,749	32.0%	328,089	241,578	235,650	178,807	1,056	1,047	13,717	17,317
Alabama	272,902	223,572	22.0%	76,603	69,812	190,617	148,270	0	0	5,681	5,490
Kentucky	27,266	23,321	17.0%	21,597	20,777	4,610	1,512	0	0	1,059	1,032
Mississippi	229,176	158,781	44.0%	182,453	119,324	40,423	29,025	NM	NM	6,229	10,361
Tennessee	49,167	33,075	49.0%	47,436	31,665	0	0	984	976	747	433
West South Central	1,800,339	1,556,880	16.0%	574,446	483,757	927,677	775,545	5,754	5,423	292,462	292,155
Arkansas	81,148	49,628	64.0%	23,337	9,857	56,391	38,660	NM	NM	1,411	1,103
Louisiana	354,903	320,384	11.0%	183,522	144,070	45,708	53,543	1,226	1,239	124,447	121,533
Oklahoma	175,723	148,846	18.0%	114,939	100,444	60,048	47,972	352	94	384	336
Texas	1,188,565	1,038,022	15.0%	252,647	229,385	765,530	635,370	4,166	4,083	166,221	169,183
Mountain	466,171	413,470	13.0%	315,146	256,424	143,159	148,620	2,230	2,654	5,635	5,773
Arizona	157,024	136,332	15.0%	77,659	60,109	78,564	75,296	801	927	0	0
Colorado	57,024	60,604	-5.9%	39,055	34,374	17,905	26,108	NM	37	NM	86
Idaho	17,146	11,575	48.0%	10,737	6,352	6,100	5,003	0	0	310	219
Montana	5,714	3,982	43.0%	4,996	3,471	NM	511	0	0	0	0
Nevada	136,171	106,656	28.0%	117,003	82,788	17,694	22,156	420	481	1,054	1,230
New Mexico	51,047	50,607	0.9%	31,601	33,517	18,966	16,477	480	605	0	NM
Utah	39,334	41,593	-5.4%	33,788	35,593	3,055	2,961	530	603	1,960	2,436
Wyoming	2,711	2,120	28.0%	NM	NM	NM	NM	0	0	2,248	1,795
Pacific Contiguous	655,701	650,309	0.8%	252,149	232,374	353,040	359,978	7,841	9,433	42,670	48,525
California	534,381	551,653	-3.1%	180,389	171,895	304,527	322,636	7,261	8,965	42,203	48,157
Oregon	68,215	51,157	33.0%	25,574	18,933	41,862	31,630	522	421	258	173
Washington	53,105	47,500	12.0%	46,186	41,546	6,651	5,712	58	47	210	195
Pacific Noncontiguous	19,224	20,667	-7.0%	18,633	20,219	0	0	NM	NM	558	424
Alaska	19,224	20,667	-7.0%	18,633	20,219	0	0	NM	NM	558	424
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	6,671,571	5,670,903	18.0%	3,067,149	2,508,742	3,161,224	2,713,868	42,849	42,509	400,349	405,784

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	1,157	1,149	0.7%	0	0	1,078	1,057	NM	NM	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	83	NM	0	0	NM	83	0	0	0	0
Massachusetts	384	382	0.7%	0	0	384	382	0	0	0	0
New Hampshire	NM	206	NM	0	0	NM	115	NM	NM	0	0
Rhode Island	384	361	6.3%	0	0	384	361	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	5,429	5,128	5.9%	0	0	5,316	4,983	NM	NM	NM	NM
New Jersey	992	965	2.8%	0	0	992	965	0	0	0	0
New York	1,783	1,772	0.6%	0	0	1,783	1,772	0	0	0	0
Pennsylvania	2,653	2,391	11.0%	0	0	2,541	2,246	NM	NM	NM	NM
East North Central	6,606	6,835	-3.4%	832	818	5,768	5,985	NM	NM	3	NM
Illinois	1,470	1,630	-9.8%	0	0	1,470	1,630	0	0	0	0
Indiana	793	811	-2.2%	790	783	0	0	0	0	3	NM
Michigan	2,095	2,116	-1.0%	0	0	2,095	2,116	0	0	0	0
Ohio	1,088	1,077	1.0%	NM	NM	1,067	1,055	0	0	0	0
Wisconsin	1,160	1,201	-3.4%	NM	NM	1,136	1,185	NM	NM	0	0
West North Central	1,084	1,018	6.5%	359	300	725	718	0	0	0	0
Iowa	218	210	4.2%	0	0	218	210	0	0	0	0
Kansas	NM	176	NM	0	0	NM	176	0	0	0	0
Minnesota	391	365	7.0%	NM	78	289	287	0	0	0	0
Missouri	NM	138	NM	NM	94	NM	NM	0	0	0	0
Nebraska	NM	128	NM	NM	128	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	4,129	4,091	0.9%	580	527	3,157	3,019	NM	289	222	257
Delaware	NM	131	NM	0	0	NM	131	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	696	696	0.1%	190	167	506	528	0	0	0	0
Georgia	325	348	-6.5%	0	0	248	244	NM	NM	NM	NM
Maryland	294	335	-12.0%	0	0	201	186	NM	NM	0	0
North Carolina	799	835	-4.4%	0	0	768	757	NM	NM	0	0
South Carolina	587	575	2.2%	379	349	NM	NM	0	0	NM	194
Virginia	1,279	1,164	9.9%	NM	NM	1,253	1,132	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	479	473	1.3%	252	253	227	220	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	252	253	-0.1%	252	253	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	NM	171	NM	0	0	NM	171	0	0	0	0
West South Central	1,518	1,621	-6.3%	0	0	1,484	1,566	NM	NM	0	0
Arkansas	NM	157	NM	0	0	NM	157	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,363	1,464	-6.9%	0	0	1,329	1,409	NM	NM	0	0
Mountain	553	548	0.8%	NM	110	439	439	0	0	0	0
Arizona	NM	176	NM	NM	87	NM	89	0	0	0	0
Colorado	NM	117	NM	0	0	NM	117	0	0	0	0
Idaho	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	134	NM	0	0	NM	134	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,231	5,673	-7.8%	701	822	3,054	3,070	1,476	1,780	0	0
California	4,287	4,727	-9.3%	173	285	2,671	2,704	1,443	1,738	0	0
Oregon	504	500	0.8%	NM	132	337	325	NM	NM	0	0
Washington	440	445	-1.2%	393	405	NM	NM	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	NM	NM	0	0
Alaska	NM	NM	NM	0	0	0	0	NM	NM	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	26,214	26,616	-1.5%	2,838	2,829	21,249	21,057	1,800	2,320	327	411

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	8,966	8,919	0.5%	0	0	8,306	8,203	660	716	0	0
Connecticut	453	459	-1.2%	0	0	453	459	0	0	0	0
Maine	653	659	-0.9%	0	0	653	659	0	0	0	0
Massachusetts	2,944	2,993	-1.7%	0	0	2,944	2,993	0	0	0	0
New Hampshire	1,522	1,636	-7.0%	0	0	862	920	660	716	0	0
Rhode Island	2,950	2,719	8.5%	0	0	2,950	2,719	0	0	0	0
Vermont	444	454	-2.1%	0	0	444	454	0	0	0	0
Middle Atlantic	40,820	40,654	0.4%	0	0	39,795	39,519	NM	162	878	973
New Jersey	7,516	7,609	-1.2%	0	0	7,516	7,609	0	0	0	0
New York	13,664	13,893	-1.7%	0	0	13,664	13,893	0	0	0	0
Pennsylvania	19,640	19,151	2.6%	0	0	18,615	18,016	NM	162	878	973
East North Central	51,851	53,671	-3.4%	6,357	6,444	45,255	46,955	NM	40	198	231
Illinois	11,879	12,858	-7.6%	0	0	11,879	12,858	0	0	0	0
Indiana	6,237	6,370	-2.1%	6,040	6,139	0	0	0	0	198	231
Michigan	16,200	16,528	-2.0%	0	0	16,200	16,528	0	0	0	0
Ohio	8,342	8,471	-1.5%	193	193	8,149	8,278	0	0	0	0
Wisconsin	9,194	9,444	-2.7%	124	113	9,028	9,291	NM	40	0	0
West North Central	8,046	8,087	-0.5%	2,506	2,459	5,541	5,628	0	0	0	0
Iowa	1,642	1,656	-0.9%	0	0	1,642	1,656	0	0	0	0
Kansas	1,343	1,374	-2.2%	0	0	1,343	1,374	0	0	0	0
Minnesota	2,895	2,908	-0.4%	682	657	2,213	2,251	0	0	0	0
Missouri	1,194	1,153	3.5%	851	806	342	347	0	0	0	0
Nebraska	972	995	-2.3%	972	995	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	32,027	32,588	-1.7%	4,274	4,194	23,495	23,852	2,155	2,403	2,104	2,140
Delaware	1,014	1,027	-1.3%	0	0	1,014	1,027	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,269	5,386	-2.2%	1,408	1,325	3,860	4,062	0	0	0	0
Georgia	2,717	2,780	-2.3%	0	0	1,889	1,918	320	333	508	529
Maryland	2,565	2,720	-5.7%	0	0	1,481	1,485	1,083	1,234	0	0
North Carolina	6,419	6,591	-2.6%	0	0	5,841	5,940	578	651	0	0
South Carolina	4,634	4,653	-0.4%	2,785	2,790	252	252	0	0	1,596	1,611
Virginia	9,334	9,360	-0.3%	NM	79	9,081	9,097	NM	184	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	3,655	3,712	-1.5%	1,942	1,977	1,714	1,734	0	0	0	0
Alabama	187	190	-1.5%	0	0	187	190	0	0	0	0
Kentucky	1,942	1,977	-1.8%	1,942	1,977	0	0	0	0	0	0
Mississippi	189	192	-1.5%	0	0	189	192	0	0	0	0
Tennessee	1,337	1,352	-1.1%	0	0	1,337	1,352	0	0	0	0
West South Central	12,127	12,783	-5.1%	0	0	11,702	12,322	424	460	0	0
Arkansas	1,200	1,225	-2.0%	0	0	1,200	1,225	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	10,927	11,558	-5.5%	0	0	10,502	11,098	424	460	0	0
Mountain	4,230	4,301	-1.6%	856	865	3,374	3,436	0	0	0	0
Arizona	1,355	1,378	-1.7%	665	678	690	700	0	0	0	0
Colorado	892	911	-2.1%	0	0	892	911	0	0	0	0
Idaho	533	534	-0.1%	191	187	341	346	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	419	427	-1.9%	0	0	419	427	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,032	1,051	-1.8%	0	0	1,032	1,051	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	43,167	44,617	-3.2%	5,942	6,328	23,904	23,976	13,321	14,313	0	0
California	35,860	37,184	-3.6%	1,845	2,141	21,033	21,083	12,982	13,961	0	0
Oregon	3,902	3,957	-1.4%	1,023	1,039	2,539	2,566	340	352	0	0
Washington	3,406	3,476	-2.0%	3,074	3,149	332	327	0	0	0	0
Pacific Noncontiguous	591	673	-12.0%	0	0	0	0	591	673	0	0
Alaska	591	673	-12.0%	0	0	0	0	591	673	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	205,481	210,003	-2.2%	21,876	22,267	163,085	165,624	17,341	18,767	3,180	3,344

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	301	322	-6.4%	0	0	288	302	13	19	0	0
Connecticut	102	116	-12.0%	0	0	102	111	0	NM	0	0
Maine	21	22	-7.6%	0	0	NM	9	13	14	0	0
Massachusetts	167	171	-2.1%	0	0	167	171	0	0	0	0
New Hampshire	11	12	-8.2%	0	0	11	12	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	432	437	-1.1%	0	0	351	349	81	89	0	0
New Jersey	112	119	-5.9%	0	0	83	88	29	31	0	0
New York	156	158	-1.4%	0	0	127	126	30	33	0	0
Pennsylvania	164	160	2.7%	0	0	141	135	23	25	0	0
East North Central	21	23	-10.0%	4	3	0	0	17	20	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-6.3%	0	0	0	0	1	1	0	0
Michigan	16	19	-15.0%	0	0	0	0	16	19	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	4	3	16.0%	4	3	0	0	0	0	0	0
West North Central	56	52	8.0%	39	35	16	16	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	56	52	8.0%	39	35	16	16	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	475	450	5.5%	58	0	386	419	31	31	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	319	289	10.0%	58	0	261	289	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	72	70	2.9%	0	0	72	70	NM	NM	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	84	90	-7.6%	0	0	53	60	31	31	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	-43.0%	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	-43.0%	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	NM	NM	0	0	NM	NM	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	62	65	-5.3%	0	0	62	65	0	0	0	0
California	42	44	-4.8%	0	0	42	44	0	0	0	0
Oregon	NM	8	NM	0	0	NM	8	0	0	0	0
Washington	12	13	-5.5%	0	0	12	13	0	0	0	0
Pacific Noncontiguous	35	38	-7.7%	0	0	0	0	35	38	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	35	38	-7.7%	0	0	0	0	35	38	0	0
U.S. Total	1,383	1,388	-0.4%	101	38	1,103	1,152	179	198	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.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State				Electric Power Sector							
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	2,370	2,502	-5.3%	0	0	2,236	2,345	134	157	0	0
Connecticut	818	915	-11.0%	0	0	796	871	22	44	0	0
Maine	174	177	-1.9%	0	0	62	65	112	112	0	0
Massachusetts	1,290	1,318	-2.1%	0	0	1,290	1,318	0	0	0	0
New Hampshire	88	91	-4.0%	0	0	88	91	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	3,308	3,289	0.6%	0	0	2,636	2,616	672	673	0	0
New Jersey	846	884	-4.3%	0	0	614	657	232	227	0	0
New York	1,220	1,210	0.8%	0	0	960	947	261	264	0	0
Pennsylvania	1,241	1,194	4.0%	0	0	1,062	1,012	179	182	0	0
East North Central	162	155	4.6%	26	24	0	0	136	131	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	6	6	-4.5%	0	0	0	0	6	6	0	0
Michigan	130	125	3.9%	0	0	0	0	130	125	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	26	24	11.0%	26	24	0	0	0	0	0	0
West North Central	407	410	-0.6%	275	275	119	123	13	12	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	407	410	-0.6%	275	275	119	123	13	12	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	3,358	3,407	-1.4%	116	0	3,004	3,164	239	243	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	2,188	2,188	0.0%	116	0	2,072	2,188	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	533	533	0.0%	0	0	533	533	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	637	686	-7.1%	0	0	399	443	238	243	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	5	4	19.0%	0	0	0	0	0	0	5	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	5	4	19.0%	0	0	0	0	0	0	5	4
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2	2	-4.0%	0	0	2	2	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	2	2	-4.0%	0	0	2	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	475	500	-5.0%	0	0	475	500	0	0	0	0
California	321	341	-5.7%	0	0	321	341	0	0	0	0
Oregon	57	59	-3.8%	0	0	57	59	0	0	0	0
Washington	96	100	-3.4%	0	0	96	100	0	0	0	0
Pacific Noncontiguous	255	261	-2.2%	0	0	0	0	255	261	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	255	261	-2.2%	0	0	0	0	255	261	0	0
U.S. Total	10,341	10,528	-1.8%	417	299	8,471	8,749	1,449	1,477	5	4

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

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
2014	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
Year 2013, End of Month Stocks									
January	178,859	31,314	442	145,550	23,442	358	33,309	7,872	84
February	175,565	31,205	442	144,081	23,182	362	31,484	8,023	81
March	171,736	32,199	407	141,891	23,917	323	29,845	8,281	84
April	173,014	31,569	456	143,082	23,399	387	29,933	8,169	69
May	177,174	31,494	443	144,824	23,305	348	32,350	8,189	96
June	171,124	31,313	408	139,705	23,148	303	31,418	8,165	105
July	160,019	30,804	394	131,967	22,770	279	28,053	8,034	115
August	154,567	31,436	260	127,153	23,070	183	27,414	8,366	77
Sept	152,694	31,428	309	125,579	22,618	191	27,115	8,811	118
October	154,194	31,771	291	125,616	22,696	214	28,578	9,075	77
November	156,249	32,620	338	126,611	22,827	250	29,638	9,793	88
December	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
Year 2014, End of Month Stocks									
January	133,647	27,141	298	107,614	20,386	216	26,033	6,756	82
February	119,885	28,477	276	96,427	20,573	202	23,458	7,904	74
March	118,305	28,338	349	95,065	20,831	282	23,241	7,506	67
April	128,883	28,596	514	102,826	20,971	451	26,057	7,625	63
May	136,474	28,233	457	107,267	20,687	374	29,207	7,545	83
June	132,879	28,470	410	103,168	20,707	356	29,711	7,763	54
July	125,240	27,813	381	97,031	20,080	300	28,209	7,734	81
August	120,709	27,900	388	92,607	20,192	289	28,103	7,708	99
Sept	123,814	28,176	389	95,465	20,180	297	28,349	7,995	92
October	135,709	29,148	510	104,699	20,515	394	31,010	8,633	116
November	141,309	30,857	640	109,757	20,759	510	31,552	10,098	130
December	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
Year 2015, End of Month Stocks									
January	155,115	31,575	924	119,871	21,098	774	35,244	10,477	150
February	150,322	27,287	897	116,664	19,197	770	33,658	8,091	127
March	155,564	28,339	818	121,759	19,969	698	33,805	8,371	120
April	168,192	28,310	912	131,327	19,931	776	36,866	8,380	136
May	174,558	28,758	999	136,288	20,136	856	38,270	8,622	143
June	167,828	28,753	1,031	132,337	20,115	883	35,491	8,638	149
July	160,206	28,438	1,065	125,732	19,808	909	34,474	8,630	156
August	158,118	28,359	1,029	125,367	19,534	891	32,751	8,825	138

Notes: See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

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

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

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	August 2015	August 2014	Percentage Change	August 2015	August 2014	Percentage Change	August 2015	August 2014	Percentage Change
New England	1,481	W	W	3,407	2,569	32.6%	0	0	--
Connecticut	W	W	W	1,158	857	35.2%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,408	1,029	36.8%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	W	W	W	W	W	0	0	--
Vermont	0	0	--	26	33	-21.8%	0	0	--
Middle Atlantic	7,491	6,356	17.9%	4,579	4,236	8.1%	W	W	W
New Jersey	959	807	18.8%	695	557	24.9%	0	0	--
New York	482	680	-29.2%	2,682	2,783	-3.6%	0	0	--
Pennsylvania	6,051	4,869	24.3%	1,202	896	34.1%	W	W	W
East North Central	33,728	25,309	33.3%	1,087	1,170	-7.0%	142	108	30.9%
Illinois	7,413	6,493	14.2%	88	91	-3.2%	0	0	--
Indiana	9,747	6,828	42.8%	104	190	-45.0%	0	0	--
Michigan	6,712	4,626	45.1%	314	353	-10.9%	W	W	W
Ohio	5,554	4,958	12.0%	354	313	13.1%	W	W	W
Wisconsin	4,302	2,404	79.0%	227	224	1.5%	W	W	W
West North Central	25,173	17,442	44.3%	978	993	-1.5%	0	0	--
Iowa	4,691	4,230	10.9%	138	156	-11.9%	0	0	--
Kansas	3,631	2,598	39.8%	104	113	-7.9%	0	0	--
Minnesota	4,208	W	W	119	135	-11.5%	0	0	--
Missouri	8,169	4,666	75.1%	381	265	43.9%	0	0	--
Nebraska	W	2,604	W	169	219	-22.7%	0	0	--
North Dakota	1,752	1,684	4.1%	42	39	5.5%	0	0	--
South Dakota	W	W	W	25	66	-62.0%	0	0	--
South Atlantic	28,582	23,689	20.7%	11,322	11,729	-3.5%	W	W	W
Delaware	W	W	W	215	242	-11.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	6,145	W	W	5,516	5,951	-7.3%	107	W	W
Georgia	4,468	4,359	2.5%	858	868	-1.2%	0	0	--
Maryland	1,529	1,303	17.4%	725	683	6.3%	0	0	--
North Carolina	W	W	W	1,173	1,148	2.1%	0	0	--
South Carolina	5,272	3,276	60.9%	687	606	13.4%	0	0	--
Virginia	1,748	W	W	2,028	2,082	-2.6%	0	0	--
West Virginia	W	4,212	W	120	149	-19.6%	W	W	W
East South Central	14,952	13,408	11.5%	1,990	1,908	4.3%	W	W	W
Alabama	3,734	3,596	3.9%	396	271	45.9%	0	0	--
Kentucky	7,165	6,276	14.2%	254	253	0.3%	W	W	W
Mississippi	1,303	659	97.8%	582	581	0.2%	0	0	--
Tennessee	2,750	2,878	-4.5%	758	803	-5.5%	0	0	--
West South Central	24,546	16,603	47.8%	1,918	1,912	0.3%	W	W	W
Arkansas	3,801	2,081	82.6%	W	W	W	0	0	--
Louisiana	3,391	2,767	22.5%	447	437	2.4%	W	W	W
Oklahoma	3,964	1,973	100.9%	W	W	W	0	0	--
Texas	13,390	9,780	36.9%	1,204	1,187	1.4%	0	0	--
Mountain	20,002	14,666	36.4%	623	799	-22.0%	W	W	W
Arizona	3,905	2,507	55.8%	142	138	2.5%	0	0	--
Colorado	5,581	2,728	104.6%	221	230	-3.7%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	13	W	W	W	W
Nevada	1,066	805	32.5%	W	177	W	0	0	--
New Mexico	W	W	W	W	W	W	0	0	--
Utah	3,645	3,497	4.2%	W	W	W	0	0	--
Wyoming	3,613	3,187	13.4%	34	31	7.2%	0	0	--
Pacific Contiguous	W	W	W	333	329	1.3%	0	W	W
California	0	W	W	W	162	W	0	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	97	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,121	2,255	-6.0%	0	0	--
Alaska	W	0	W	28	67	-57.6%	0	0	--
Hawaii	W	W	W	2,093	2,188	-4.4%	0	0	--
U.S. Total	158,118	120,709	31.0%	28,359	27,900	1.6%	1,029	388	165.2%

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.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

**Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:
Electric Power Sector, by Census Division, August 2015 and 2014**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014
Coal (Thousand Tons)							
New England	1,481	W	W	W	W	W	W
Middle Atlantic	7,491	6,356	17.9%	0	0	7,491	6,356
East North Central	33,728	25,309	33.3%	23,896	18,000	9,832	7,309
West North Central	25,173	17,442	44.3%	25,173	17,442	0	0
South Atlantic	28,582	23,689	20.7%	25,543	20,124	3,039	3,565
East South Central	14,952	13,408	11.5%	14,952	W	0	W
West South Central	24,546	16,603	47.8%	15,618	8,936	8,928	7,666
Mountain	20,002	14,666	36.4%	18,636	13,458	1,366	1,208
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	0	W	W
U.S. Total	158,118	120,709	31.0%	125,367	92,607	32,751	28,103
Petroleum Liquids (Thousand Barrels)							
New England	3,407	2,569	32.6%	641	W	2,766	W
Middle Atlantic	4,579	4,236	8.1%	1,642	1,484	2,937	2,752
East North Central	1,087	1,170	-7.0%	784	959	303	211
West North Central	978	993	-1.5%	953	968	25	25
South Atlantic	11,322	11,729	-3.5%	9,368	9,809	1,954	1,920
East South Central	1,990	1,908	4.3%	W	W	W	W
West South Central	1,918	1,912	0.3%	1,412	1,412	505	500
Mountain	623	799	-22.0%	595	765	28	35
Pacific Contiguous	333	329	1.3%	W	240	W	89
Pacific Noncontiguous	2,121	2,255	-6.0%	W	W	W	W
U.S. Total	28,359	27,900	1.6%	19,534	20,192	8,825	7,708
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	142	108	30.9%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	107	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	1,029	388	165.2%	891	W	138	W

W = Withheld to avoid disclosure of individual company data.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form-923.

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

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

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

		Electric Power Sector			
Period		Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks					
2005		52,923	44,377	3,836	101,137
2006		67,760	68,408	4,797	140,964
2007		63,964	82,692	4,565	151,221
2008		65,818	91,214	4,556	161,589
2009		91,922	92,448	5,097	189,467
2010		81,108	86,915	6,894	174,917
2011		82,056	85,151	5,179	172,387
2012		86,437	93,833	4,846	185,116
2013		73,113	69,720	5,051	147,884
2014		72,580	72,699	6,083	151,362
Year 2013, End of Month Stocks					
January		83,501	90,693	4,664	178,859
February		81,835	89,227	4,504	175,565
March		80,528	86,416	4,792	171,736
April		82,756	85,182	5,076	173,014
May		84,487	86,439	6,248	177,174
June		82,016	82,922	6,186	171,124
July		75,887	78,372	5,760	160,019
August		73,002	75,970	5,595	154,567
Sept		72,121	75,001	5,571	152,694
October		74,079	74,620	5,496	154,194
November		75,232	75,683	5,334	156,249
December		73,113	69,720	5,051	147,884
Year 2014, End of Month Stocks					
January		63,026	65,238	5,382	133,647
February		55,476	58,960	5,449	119,885
March		54,643	58,201	5,462	118,305
April		59,931	62,873	6,079	128,883
May		63,227	66,882	6,365	136,474
June		62,063	64,339	6,477	132,879
July		59,524	59,438	6,278	125,240
August		59,489	54,719	6,501	120,709
Sept		62,310	55,377	6,127	123,814
October		68,285	61,269	6,155	135,709
November		69,703	65,965	5,641	141,309
December		72,580	72,699	6,083	151,362
Year 2015, End of Month Stocks					
January		70,361	79,167	5,587	155,115
February		64,699	80,337	5,286	150,322
March		65,743	84,785	5,036	155,564
April		71,204	91,696	5,292	168,192
May		75,089	94,257	5,212	174,558
June		73,943	89,053	4,832	167,828
July		69,312	86,084	4,811	160,206
August		68,942	84,534	4,642	158,118

Notes: See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. and predecessor forms. Totals may not equal sum of components because of independent rounding.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - August 2015

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,906,809	823,222	2.34	45.33	1.29	93.7	123,964	20,413	20.56	124.90	0.46	76.5
2014	16,295,085	836,196	2.37	46.11	1.32	95.8	171,500	28,355	19.88	120.32	0.46	78.0
Year 2013												
January	1,342,301	69,783	2.34	45.09	1.27	90.9	10,766	1,787	21.00	126.64	0.50	52.0
February	1,229,209	63,662	2.34	45.28	1.34	92.7	10,780	1,756	21.02	129.19	0.46	79.8
March	1,291,446	66,546	2.35	45.68	1.34	92.3	14,263	2,321	20.15	123.86	0.46	123.8
April	1,229,373	62,822	2.37	46.51	1.36	100.9	6,131	1,025	21.53	128.84	0.52	53.1
May	1,328,111	68,190	2.37	46.23	1.31	103.1	8,658	1,428	20.70	125.53	0.50	70.1
June	1,319,801	68,294	2.36	45.62	1.26	89.3	7,007	1,170	20.96	125.57	0.50	60.6
July	1,392,487	72,998	2.31	44.14	1.19	86.1	10,748	1,782	20.51	123.69	0.48	64.4
August	1,465,659	76,277	2.33	44.76	1.26	91.4	11,993	1,962	19.70	120.41	0.44	98.8
Sept	1,359,392	70,489	2.35	45.29	1.29	95.1	9,904	1,630	20.17	122.66	0.38	90.9
October	1,318,098	67,874	2.34	45.49	1.33	100.1	10,145	1,675	20.86	126.37	0.43	92.5
November	1,311,392	67,740	2.33	45.11	1.29	100.3	12,818	2,105	20.10	122.51	0.46	111.3
December	1,319,540	68,548	2.34	45.06	1.29	86.8	10,751	1,775	20.95	128.83	0.45	58.5
Year 2014												
January	1,295,172	67,779	2.30	43.90	1.26	79.4	26,893	4,499	21.87	130.83	0.43	38.3
February	1,195,094	61,440	2.33	45.27	1.35	78.9	26,044	4,286	21.60	131.47	0.44	118.5
March	1,374,906	69,853	2.37	46.61	1.35	94.4	15,155	2,507	21.94	132.70	0.44	61.3
April	1,316,053	66,626	2.39	47.21	1.34	111.7	8,946	1,480	21.71	131.19	0.41	86.0
May	1,359,265	69,106	2.40	47.17	1.38	105.5	8,613	1,430	21.19	127.61	0.46	76.2
June	1,342,560	68,561	2.38	46.61	1.36	90.4	9,308	1,541	21.41	129.32	0.45	86.1
July	1,404,470	72,363	2.37	46.03	1.28	87.1	8,413	1,392	21.29	128.63	0.50	70.9
August	1,460,347	74,999	2.37	46.10	1.33	90.8	9,143	1,503	20.63	125.49	0.51	72.3
Sept	1,377,308	70,587	2.37	46.25	1.34	99.9	10,201	1,683	19.67	119.52	0.51	89.4
October	1,390,364	71,389	2.30	44.86	1.30	113.8	12,820	2,128	18.49	111.48	0.48	122.3
November	1,347,066	69,471	2.30	44.61	1.30	105.1	17,738	2,951	16.52	99.39	0.43	150.8
December	1,432,479	74,020	2.51	48.54	1.30	106.9	18,225	2,955	13.91	85.81	0.48	155.2
Year 2015												
January	1,405,183	72,721	2.28	44.12	1.30	99.5	13,249	2,190	12.76	77.20	0.57	55.2
February	1,170,120	60,606	2.26	43.63	1.32	88.4	20,190	3,319	12.47	75.96	0.51	33.7
March	1,218,280	62,520	2.25	43.95	1.29	104.3	15,791	2,608	W	W	0.70	121.5
April	1,165,784	60,030	2.25	43.68	1.33	120.0	9,163	1,522	13.18	79.56	0.43	84.3
May	1,209,860	61,862	2.26	44.25	1.35	105.5	11,086	1,828	12.56	76.29	0.45	90.3
June	1,182,749	60,873	2.25	43.72	1.37	86.3	9,721	1,606	13.55	82.07	0.49	78.8
July	1,279,175	66,756	2.21	42.34	1.26	85.9	8,778	1,450	12.58	76.23	0.48	61.9
August	1,375,086	70,997	2.23	43.22	1.31	94.0	9,195	1,523	12.05	72.77	0.47	71.8
Year to Date												
2013	10,598,387	548,571	2.35	45.38	1.29	92.9	80,346	13,229	20.59	125.11	0.47	72.9
2014	10,747,868	550,729	2.36	46.12	1.33	91.2	112,516	18,639	21.57	130.27	0.45	64.5
2015	10,006,238	516,365	2.25	43.61	1.31	96.7	97,174	16,046	12.68	76.88	0.52	61.0
Rolling 12 Months Ending in August												
2014	16,056,290	825,380	2.36	45.83	1.32	92.5	156,134	25,823	21.27	128.68	0.44	69.0
2015	15,553,455	801,832	2.29	44.49	1.31	99.9	156,158	25,762	W	W	0.50	76.3

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Totals may not equal sum of components because of independent rounding.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - August 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
2012	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	132,474	4,660	2.18	61.95	5.41	73.5	8,721,114	8,503,424	4.33	4.44	89.7	3.09
2014	144,694	5,091	1.96	55.81	5.55	87.5	8,671,674	8,423,883	5.00	5.14	89.8	3.32
Year 2013												
January	10,103	355	2.04	58.21	5.61	68.1	676,695	660,645	4.38	4.49	89.1	3.08
February	9,754	343	2.09	59.50	5.40	82.5	607,094	592,786	4.39	4.50	88.9	3.09
March	8,239	290	2.08	59.25	5.47	58.8	649,452	633,519	4.30	4.40	89.2	3.09
April	11,240	396	2.28	64.98	5.35	86.8	609,479	594,620	4.67	4.79	89.3	3.15
May	11,758	412	2.34	66.64	5.37	68.8	665,433	648,152	4.62	4.75	90.4	3.15
June	11,528	407	2.42	68.49	5.07	67.1	782,722	762,845	4.42	4.54	90.6	3.14
July	12,215	428	2.29	65.47	5.44	69.6	949,493	924,645	4.20	4.31	90.0	3.11
August	10,902	381	2.25	64.57	5.38	58.3	940,629	917,829	3.91	4.00	90.4	2.99
Sept	12,370	433	2.17	61.88	5.36	77.7	794,084	774,415	4.08	4.18	90.3	3.02
October	12,201	432	2.13	60.26	5.37	82.8	683,580	666,361	4.11	4.21	89.8	2.99
November	9,653	339	1.91	54.26	5.43	84.7	647,943	631,751	4.19	4.30	89.3	3.01
December	12,511	444	2.02	57.05	5.66	89.4	714,509	695,857	4.91	5.04	88.7	3.26
Year 2014												
January	9,894	350	1.80	50.87	5.25	62.5	709,245	691,475	7.04	7.22	89.0	4.10
February	10,083	356	W	W	5.46	75.6	587,376	572,177	7.40	7.59	88.4	W
March	12,939	457	2.00	56.64	5.81	84.1	606,222	590,661	6.00	6.15	88.8	3.53
April	12,734	449	2.11	59.89	5.95	111.9	593,040	577,655	5.07	5.20	89.1	3.24
May	12,593	446	2.18	61.41	5.55	98.1	691,105	672,102	4.93	5.07	90.5	3.25
June	11,435	400	2.05	58.67	5.77	82.2	766,138	744,633	4.83	4.97	90.6	3.28
July	11,392	399	1.88	53.73	5.69	74.9	886,181	860,304	4.43	4.57	90.8	3.17
August	12,517	439	1.95	55.68	5.51	81.1	943,735	915,459	4.12	4.24	91.2	3.07
Sept	11,559	406	1.90	54.12	5.43	79.6	811,708	786,977	4.20	4.33	90.0	3.06
October	10,797	381	1.77	50.25	5.31	111.4	743,322	720,648	4.10	4.23	89.8	2.96
November	11,980	421	1.84	52.32	5.45	100.9	646,732	626,919	4.48	4.62	89.0	3.07
December	16,770	587	1.98	56.64	5.40	105.0	686,870	664,873	4.35	4.49	89.3	3.14
Year 2015												
January	13,724	484	2.03	57.48	5.23	93.8	754,341	730,694	4.10	4.23	88.7	2.92
February	9,660	338	1.79	51.07	5.30	64.0	688,731	666,976	4.68	4.83	89.2	3.19
March	9,506	338	2.03	57.09	5.17	84.5	752,489	728,542	3.54	3.66	88.7	W
April	11,059	392	1.99	56.16	5.01	98.0	715,158	691,566	3.10	3.20	90.2	2.59
May	11,883	419	2.05	58.07	5.24	93.9	781,559	755,597	3.14	3.25	90.0	2.64
June	9,380	330	1.89	53.88	5.57	84.2	930,466	898,716	3.11	3.22	90.5	2.65
July	12,797	451	1.93	54.69	5.08	87.8	1,089,089	1,052,415	3.11	3.22	90.8	2.63
August	11,327	396	1.85	52.86	5.02	81.1	1,064,578	1,029,798	3.10	3.21	90.6	2.62
Year to Date												
2013	85,739	3,012	2.24	63.78	5.38	69.1	5,880,998	5,735,041	4.33	4.44	89.8	3.10
2014	93,587	3,296	2.01	56.99	5.64	82.6	5,783,042	5,624,466	5.36	5.51	89.9	3.45
2015	89,337	3,147	1.95	55.31	5.19	85.4	6,776,411	6,554,304	3.43	3.55	89.9	2.75
Rolling 12 Months Ending in August												
2014	140,321	4,944	W	W	5.58	82.8	8,623,158	8,392,850	5.01	5.14	89.8	W
2015	140,444	4,942	1.93	54.72	5.27	89.7	9,665,043	9,353,720	3.68	3.80	89.8	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.

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

Table 4.2. Receipts, Average Cost, and Quantity of Fossil Fuels: Electric Utilities, 2005 - August 2015												
	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Period												
Annual Totals												
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,871,559	699,353	2.40	47.67	1.16	101.5	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,595,328	592,772	2.38	46.51	1.23	92.9	78,101	12,814	21.09	128.57	0.43	76.2
2014	11,991,691	607,877	2.40	47.31	1.26	95.6	99,044	16,281	19.91	121.16	0.44	80.6
Year 2013												
January	966,431	49,719	2.37	46.15	1.18	89.3	7,473	1,239	21.08	127.15	0.41	68.5
February	899,054	45,989	2.38	46.62	1.26	93.8	6,220	1,009	21.34	131.57	0.40	78.9
March	948,352	48,339	2.37	46.58	1.27	92.9	9,929	1,608	20.43	126.13	0.45	120.6
April	904,409	45,784	2.41	47.65	1.28	100.5	3,831	638	21.99	131.94	0.45	47.8
May	958,782	48,775	2.40	47.27	1.23	100.9	6,010	987	20.90	127.33	0.47	69.5
June	965,951	49,292	2.39	46.90	1.21	88.0	4,713	786	21.31	127.71	0.43	59.5
July	1,031,429	53,206	2.34	45.37	1.16	86.7	7,153	1,184	20.82	125.77	0.44	68.4
August	1,071,201	54,959	2.37	46.16	1.21	89.5	8,382	1,353	19.78	122.55	0.45	96.5
Sept	974,613	49,808	2.38	46.62	1.22	93.8	4,882	795	21.67	132.98	0.34	68.0
October	956,973	48,754	2.37	46.45	1.27	98.7	6,139	1,011	21.98	133.43	0.40	81.1
November	958,575	49,043	2.36	46.21	1.22	98.8	6,313	1,037	21.61	131.57	0.41	79.5
December	959,557	49,103	2.37	46.32	1.23	86.5	7,055	1,166	21.58	130.56	0.43	79.2
Year 2014												
January	926,991	47,962	2.31	44.60	1.18	76.9	12,038	2,017	21.73	129.71	0.32	42.5
February	863,997	43,905	2.33	45.93	1.28	78.2	12,405	2,045	21.75	132.02	0.49	107.8
March	989,078	49,867	2.38	47.17	1.30	94.3	9,000	1,475	21.54	131.41	0.39	76.4
April	953,528	47,782	2.41	48.20	1.28	113.2	6,706	1,101	21.74	132.38	0.36	88.4
May	996,345	50,122	2.42	48.21	1.32	104.6	5,373	895	21.89	131.40	0.34	67.9
June	992,039	49,981	2.40	47.74	1.29	88.2	6,342	1,050	21.67	130.93	0.34	87.2
July	1,048,298	53,172	2.40	47.43	1.22	86.7	5,999	988	21.28	129.22	0.47	73.5
August	1,090,914	55,193	2.41	47.56	1.27	90.1	6,888	1,124	20.62	126.42	0.50	81.4
Sept	1,034,229	52,306	2.41	47.59	1.27	101.6	6,927	1,138	19.90	121.14	0.48	83.9
October	1,040,271	52,787	2.33	45.87	1.26	115.2	6,948	1,150	19.34	117.04	0.48	94.0
November	1,000,204	50,949	2.33	45.73	1.24	107.5	7,528	1,240	17.71	107.59	0.50	97.3
December	1,055,798	53,851	2.61	51.19	1.25	106.1	12,890	2,058	13.23	82.89	0.46	160.7
Year 2015												
January	1,047,181	53,698	2.30	44.93	1.25	101.7	8,876	1,461	11.83	71.88	0.57	68.7
February	880,402	45,136	2.26	44.08	1.27	90.5	8,693	1,422	11.74	71.78	0.47	38.3
March	932,468	47,654	2.25	44.08	1.23	108.3	10,204	1,675	12.14	73.97	0.52	131.9
April	891,906	45,572	2.28	44.61	1.27	121.3	6,628	1,091	13.28	80.65	0.39	85.7
May	927,255	47,094	2.29	45.07	1.26	107.2	7,317	1,192	12.36	75.86	0.46	91.7
June	908,109	46,253	2.26	44.45	1.29	88.9	7,578	1,248	13.69	83.14	0.46	87.3
July	962,976	49,925	2.24	43.13	1.14	87.3	6,304	1,033	12.49	76.20	0.40	66.3
August	1,035,250	53,057	2.26	44.06	1.20	96.6	5,703	942	11.73	71.05	0.42	64.2
Year to Date												
2013	7,745,610	396,064	2.38	46.56	1.22	92.2	53,713	8,805	20.82	126.99	0.44	75.7
2014	7,861,190	397,983	2.39	47.14	1.27	90.3	64,751	10,695	21.56	130.53	0.41	71.0
2015	7,585,548	388,389	2.27	44.30	1.24	99.0	61,302	10,064	12.38	75.40	0.47	71.2
Rolling 12 Months Ending in August												
2014	11,710,908	594,691	2.38	46.89	1.26	91.5	89,140	14,704	21.60	130.94	0.40	72.6
2015	11,716,050	598,282	2.32	45.47	1.24	101.8	95,595	15,650	13.96	85.32	0.47	81.2

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	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
2012	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.11	60.30	5.34	101.6	3,939,408	3,851,241	4.49	4.59	97.0	2.99
2014	123,793	4,349	1.89	53.77	5.56	129.6	3,714,733	3,614,573	5.16	5.30	97.1	3.14
Year 2013												
January	6,816	237	1.97	56.67	5.52	93.7	308,726	302,282	4.35	4.44	97.5	2.95
February	7,272	254	2.05	58.54	5.32	115.4	276,355	270,729	4.29	4.38	97.3	2.92
March	5,449	190	2.00	57.27	5.37	80.5	292,291	285,901	4.44	4.54	97.4	2.99
April	8,309	291	2.23	63.79	5.23	133.8	267,830	262,122	4.88	4.99	97.6	3.03
May	8,610	301	2.28	65.22	5.28	83.5	298,278	291,130	4.84	4.96	98.4	3.06
June	8,302	291	2.36	67.19	4.88	83.7	360,943	352,719	4.65	4.75	97.1	3.06
July	9,006	314	2.25	64.47	5.35	93.2	427,831	417,585	4.38	4.48	96.6	3.01
August	7,910	274	2.15	62.01	5.24	82.6	436,060	426,576	4.15	4.24	96.3	2.97
Sept	10,687	373	2.09	59.92	5.32	114.6	360,603	352,812	4.35	4.44	96.7	2.97
October	9,457	333	2.06	58.58	5.37	114.9	309,544	302,556	4.40	4.50	96.9	2.95
November	7,486	262	1.87	53.23	5.41	120.6	281,343	274,910	4.44	4.55	96.6	2.92
December	9,784	343	1.93	54.95	5.75	125.9	319,604	311,919	4.93	5.05	96.3	3.10
Year 2014												
January	8,753	309	1.79	50.66	5.22	88.7	308,967	301,902	6.20	6.34	97.7	3.44
February	8,883	312	2.01	57.15	5.47	113.1	247,518	241,777	7.01	7.18	97.3	3.55
March	11,235	396	1.94	54.97	5.85	119.1	257,997	252,175	5.92	6.06	98.2	3.22
April	11,184	394	2.07	58.69	5.98	186.0	256,911	250,788	5.33	5.46	98.3	3.12
May	10,813	383	2.13	60.11	5.57	127.3	315,637	307,499	5.26	5.40	97.8	3.17
June	9,321	325	1.97	56.35	5.85	99.7	333,374	324,743	5.16	5.30	96.8	3.17
July	9,697	339	1.79	51.25	5.70	119.2	374,870	364,240	4.83	4.97	96.1	3.11
August	10,451	365	1.85	52.89	5.51	127.9	407,404	395,736	4.46	4.59	96.4	3.03
Sept	9,844	345	1.81	51.54	5.40	128.7	336,865	326,815	4.63	4.77	95.8	3.02
October	9,240	326	1.65	46.75	5.25	183.7	306,705	297,593	4.56	4.71	96.4	2.90
November	10,079	354	1.70	48.51	5.43	159.9	274,868	266,620	4.75	4.90	97.2	2.93
December	14,294	499	1.90	54.38	5.40	154.9	293,615	284,687	4.60	4.74	97.8	3.12
Year 2015												
January	11,509	404	1.94	55.36	5.21	134.7	324,270	314,575	4.25	4.38	96.2	2.81
February	8,617	301	1.72	49.17	5.31	94.8	300,921	291,795	4.56	4.70	94.8	2.90
March	7,949	283	1.95	54.67	5.16	144.7	325,884	315,745	3.77	3.89	94.2	2.71
April	8,845	313	1.95	55.11	4.92	148.6	318,786	308,799	3.48	3.59	97.0	2.65
May	10,125	357	1.98	56.26	5.21	136.5	347,672	336,511	3.52	3.64	96.6	2.67
June	7,485	262	1.73	49.60	5.62	111.4	421,853	407,777	3.48	3.60	94.9	2.70
July	11,256	395	1.86	52.91	5.04	118.3	499,194	481,794	3.46	3.59	95.0	2.69
August	9,787	342	1.76	50.54	4.92	109.8	481,069	465,398	3.45	3.57	94.2	2.66
Year to Date												
2013	61,673	2,152	2.18	62.34	5.26	93.4	2,668,314	2,609,044	4.47	4.57	97.2	3.00
2014	80,336	2,824	1.95	55.40	5.66	119.4	2,502,679	2,438,859	5.42	5.56	97.2	3.22
2015	75,573	2,655	1.87	53.13	5.16	122.7	3,019,650	2,922,394	3.70	3.82	95.3	2.72
Rolling 12 Months Ending in August												
2014	117,750	4,135	1.96	55.89	5.60	119.1	3,773,773	3,681,057	5.12	5.25	97.0	3.14
2015	119,030	4,180	1.83	52.26	5.24	132.5	4,231,704	4,098,108	3.97	4.10	95.7	2.81

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

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 - August 2015

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - August 2015												
	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Period												
Annual Totals												
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	4,032,431	217,572	2.20	40.95	1.48	99.1	43,432	7,205	19.71	118.88	0.45	110.1
2014	4,096,609	219,181	2.24	41.84	1.49	101.8	70,520	11,760	19.88	119.39	0.45	99.0
Year 2013												
January	352,557	18,976	2.21	41.20	1.51	99.1	2,963	495	21.11	126.80	0.54	45.0
February	308,971	16,694	2.18	40.44	1.56	93.3	4,345	712	20.68	126.61	0.51	117.8
March	319,485	17,108	2.24	41.93	1.57	94.1	4,016	661	19.63	119.32	0.41	206.0
April	303,157	16,041	2.21	41.98	1.60	106.6	2,074	350	W	W	0.44	94.2
May	345,413	18,316	2.23	42.25	1.53	113.7	2,404	402	20.48	122.55	0.43	104.1
June	331,183	17,955	2.22	40.98	1.41	95.5	2,048	344	20.51	122.17	0.43	84.9
July	336,772	18,662	2.18	39.50	1.28	86.5	3,386	564	20.03	120.23	0.46	68.0
August	369,852	20,185	2.16	39.71	1.41	99.2	3,449	582	19.54	115.78	0.39	147.1
Sept	361,593	19,609	2.20	40.72	1.48	101.2	4,942	821	18.64	112.29	0.40	180.6
October	338,484	18,086	2.22	41.67	1.47	108.4	3,904	647	19.14	115.55	0.47	175.5
November	328,769	17,596	2.18	40.82	1.50	109.0	6,401	1,051	18.52	113.07	0.49	284.8
December	336,195	18,343	2.20	40.48	1.44	90.2	3,498	576	19.73	119.40	0.43	61.3
Year 2014												
January	350,905	19,050	2.24	41.28	1.46	90.9	14,545	2,432	22.04	132.11	0.46	42.4
February	314,645	16,810	2.27	42.55	1.53	84.6	13,366	2,197	21.48	131.02	0.39	185.0
March	366,874	19,151	2.31	44.21	1.49	100.2	6,040	1,013	22.58	134.67	0.52	62.3
April	345,380	18,077	2.28	43.56	1.48	114.8	2,123	360	21.86	128.91	0.48	122.7
May	346,525	18,254	2.29	43.49	1.55	114.9	3,114	515	20.13	121.81	0.52	150.3
June	334,501	17,873	2.28	42.65	1.53	101.6	2,781	462	21.06	128.86	0.51	133.8
July	338,433	18,407	2.23	40.92	1.45	92.1	2,293	385	21.58	128.67	0.50	95.1
August	351,259	19,006	2.20	40.73	1.49	96.8	2,146	361	W	W	0.49	79.2
Sept	326,150	17,536	2.21	41.14	1.55	100.2	3,143	523	19.18	115.94	0.50	161.2
October	332,719	17,836	2.18	40.69	1.41	116.9	5,736	956	17.56	105.37	0.44	278.5
November	329,754	17,767	2.18	40.50	1.46	104.4	10,062	1,687	15.60	93.15	0.38	403.0
December	359,464	19,414	2.18	40.43	1.44	116.3	5,171	870	15.56	92.53	0.53	217.9
Year 2015												
January	339,916	18,235	2.19	40.87	1.42	98.8	4,214	703	15.13	90.58	0.49	57.3
February	275,928	14,862	2.23	41.41	1.44	87.1	11,092	1,829	12.91	78.44	0.51	36.5
March	267,887	14,079	2.22	42.30	1.47	99.2	3,980	671	13.49	80.35	0.49	120.0
April	258,855	13,797	2.11	39.58	1.50	126.4	2,289	389	12.86	75.92	0.46	130.0
May	267,299	14,078	2.14	40.58	1.64	106.9	3,711	627	12.96	77.01	0.41	137.6
June	259,205	13,940	2.17	40.26	1.64	82.0	1,949	327	13.08	78.09	0.48	93.7
July	298,566	16,048	2.09	38.91	1.63	84.8	2,124	360	12.81	75.81	0.47	69.4
August	323,784	17,230	2.12	39.81	1.66	90.7	3,366	560	12.56	75.45	0.48	131.8
Year to Date												
2013	2,667,390	143,938	2.20	40.96	1.48	97.9	24,687	4,109	20.30	122.04	0.45	93.1
2014	2,748,521	146,628	2.26	42.42	1.50	98.6	46,407	7,724	21.67	130.35	0.46	74.3
2015	2,291,441	122,269	2.16	40.44	1.55	95.0	32,725	5,465	13.21	79.25	0.48	61.8
Rolling 12 Months Ending in August												
2014	4,113,562	220,261	2.24	41.91	1.49	99.5	65,152	10,820	W	W	0.46	86.4
2015	3,639,529	194,823	2.17	40.53	1.52	99.8	56,837	9,501	14.63	87.66	0.47	92.0

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Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

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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 - August 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	65.6	4,025,263	3,917,898	4.25	4.36	92.8	W
2014	13,781	488	W	W	5.33	70.9	4,236,618	4,111,996	4.92	5.07	92.9	W
Year 2013												
January	1,444	52	0.00	0.00	5.37	67.8	305,859	297,827	4.59	4.72	92.6	3.29
February	1,424	51	0.00	0.00	5.39	74.3	271,071	264,155	4.73	4.85	91.0	3.39
March	1,474	53	0.00	0.00	5.36	69.9	293,315	285,996	4.36	4.47	92.2	3.27
April	1,507	54	W	W	5.44	76.0	282,900	275,394	4.56	4.68	92.9	W
May	1,628	57	W	W	5.43	118.1	304,542	296,100	4.45	4.58	92.9	W
June	1,541	54	W	W	5.43	80.3	357,118	347,375	4.20	4.32	92.9	W
July	1,543	54	W	W	5.37	67.4	457,359	444,633	4.06	4.17	92.9	W
August	951	34	W	W	5.36	33.2	439,538	428,028	3.67	3.77	93.5	W
Sept	118	4	W	W	5.22	6.1	372,893	362,795	3.83	3.94	93.9	W
October	1,492	53	W	W	5.33	73.4	311,285	302,936	3.86	3.96	93.3	W
November	1,490	52	0.00	0.00	5.43	77.3	301,695	293,861	4.03	4.14	92.9	3.11
December	1,538	55	W	W	5.42	70.9	327,686	318,797	5.05	5.19	92.4	W
Year 2014												
January	922	33	W	W	5.35	52.1	336,380	327,589	8.51	8.74	92.6	W
February	1,039	38	0.00	0.00	5.27	60.5	282,563	274,863	8.22	8.45	91.4	5.15
March	1,127	41	W	W	5.47	62.2	284,981	277,149	6.35	6.53	91.8	W
April	1,047	37	W	W	5.53	57.7	279,495	271,880	4.86	5.00	92.1	W
May	1,419	50	W	W	5.35	88.2	317,301	308,271	4.54	4.68	92.5	W
June	1,349	47	W	W	5.24	103.8	374,148	363,114	4.47	4.61	93.4	W
July	1,124	39	W	W	5.55	68.7	448,710	435,451	4.03	4.15	93.7	W
August	1,401	49	W	W	5.39	84.4	473,204	458,695	3.76	3.88	93.9	W
Sept	946	33	W	W	5.29	47.9	417,116	404,366	3.77	3.88	93.7	W
October	821	29	W	W	5.26	91.0	380,154	368,467	3.63	3.74	93.3	W
November	1,066	36	W	W	5.29	87.7	311,963	302,414	4.30	4.43	92.5	W
December	1,520	53	W	W	5.10	76.6	330,603	319,737	4.08	4.22	92.8	W
Year 2015												
January	1,427	52	W	W	5.10	77.4	371,200	359,180	4.07	4.20	93.1	W
February	562	20	W	W	4.53	30.2	331,718	320,864	5.15	5.32	93.9	W
March	956	34	W	W	4.81	48.7	366,764	354,887	3.40	3.51	93.0	W
April	1,501	54	W	W	4.95	79.5	340,438	328,604	2.69	2.78	93.9	W
May	1,348	48	W	W	5.17	69.2	373,413	360,618	2.77	2.87	93.0	W
June	1,237	44	W	W	5.22	68.8	446,921	431,447	2.71	2.80	93.9	W
July	1,119	40	W	W	5.30	58.6	524,872	507,866	2.71	2.80	94.3	W
August	1,289	45	W	W	5.62	67.3	517,420	500,428	2.71	2.80	94.1	W
Year to Date												
2013	11,511	409	W	W	5.40	69.4	2,711,704	2,639,509	4.27	4.39	92.7	W
2014	9,428	335	W	W	5.39	70.7	2,796,781	2,717,012	5.42	5.58	92.8	W
2015	9,440	336	2.43	68.22	5.13	62.5	3,272,745	3,163,894	3.20	3.30	93.7	W
Rolling 12 Months Ending in August												
2014	14,066	501	W	W	5.39	65.9	4,110,341	3,995,402	5.00	5.15	92.9	W
2015	13,793	489	W	W	5.16	65.1	4,712,581	4,558,878	3.42	3.53	93.5	W

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Totals may not equal sum of components because of independent rounding.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0
2013	3,507	151	W	W	3.05	11.2	0	0	--	--	--	0.0
2014	3,746	163	W	W	2.70	12.3	0	0	--	--	--	0.0
Year 2013												
January	390	17	W	W	2.99	11.2	0	0	--	--	--	0.0
February	394	17	W	W	3.07	12.2	0	0	--	--	--	0.0
March	489	21	W	W	2.74	16.0	0	0	--	--	--	0.0
April	241	10	W	W	3.04	10.4	0	0	--	--	--	0.0
May	383	17	W	W	2.96	15.8	0	0	--	--	--	0.0
June	355	16	W	W	2.91	15.2	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.9	0	0	--	--	--	0.0
August	386	17	W	W	2.82	16.3	0	0	--	--	--	0.0
Sept	143	6	W	W	3.37	6.4	0	0	--	--	--	0.0
October	61	3	W	W	3.34	2.9	0	0	--	--	--	0.0
November	202	9	W	W	3.52	7.9	0	0	--	--	--	0.0
December	254	11	W	W	3.45	8.6	0	0	--	--	--	0.0
Year 2014												
January	400	18	W	W	3.06	12.0	0	0	--	--	--	0.0
February	407	18	W	W	2.91	12.4	0	0	--	--	--	0.0
March	452	20	W	W	2.72	14.1	0	0	--	--	--	0.0
April	364	15	W	W	1.91	13.5	0	0	--	--	--	0.0
May	475	21	W	W	2.54	22.5	0	0	--	--	--	0.0
June	116	5	W	W	2.88	5.7	0	0	--	--	--	0.0
July	261	11	W	W	2.52	11.4	0	0	--	--	--	0.0
August	159	7	W	W	2.96	7.5	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	14.9	0	0	--	--	--	0.0
October	313	14	W	W	2.72	15.7	0	0	--	--	--	0.0
November	229	10	W	W	3.00	8.8	0	0	--	--	--	0.0
December	264	12	W	W	2.96	9.6	0	0	--	--	--	0.0
Year 2015												
January	272	12	W	W	2.97	9.3	0	0	--	--	--	0.0
February	245	11	W	W	3.01	9.0	0	0	--	--	--	0.0
March	177	8	W	W	2.93	6.7	0	0	--	--	--	0.0
April	298	13	W	W	2.72	14.8	0	0	--	--	--	0.0
May	102	15	W	W	2.90	17.4	0	0	--	--	--	0.0
June	213	9	W	W	2.30	14.4	0	0	--	--	--	0.0
July	124	5	W	W	2.93	7.9	0	0	--	--	--	0.0
August	187	8	W	W	2.46	12.2	0	0	--	--	--	0.0
Year to Date												
2013	2,846	123	W	W	2.96	13.2	0	0	--	--	--	0.0
2014	2,635	114	W	W	2.66	12.5	0	0	--	--	--	0.0
2015	1,620	80	W	W	2.77	11.0	0	0	--	--	--	0.0
Rolling 12 Months Ending in August												
2014	3,295	143	W	W	2.82	10.7	0	0	--	--	--	0.0
2015	2,731	129	W	W	2.79	11.3	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 - August 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		(Dollars per MMBtu)
Period												
Annual Totals												
2005	0	0	--	--	--	0.0	17,600	17,142	8.38	8.60	25.2	6.25
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	4.6	W
2014	0	0	--	--	--	0.0	5,765	5,712	W	W	5.1	W
Year 2013												
January	0	0	--	--	--	0.0	330	327	W	W	3.4	W
February	0	0	--	--	--	0.0	361	357	W	W	4.1	W
March	0	0	--	--	--	0.0	382	378	W	W	4.0	W
April	0	0	--	--	--	0.0	375	371	W	W	4.3	W
May	0	0	--	--	--	0.0	467	464	W	W	5.2	W
June	0	0	--	--	--	0.0	404	401	W	W	4.2	W
July	0	0	--	--	--	0.0	445	440	W	W	3.6	W
August	0	0	--	--	--	0.0	414	411	W	W	3.7	W
Sept	0	0	--	--	--	0.0	560	554	W	W	5.4	W
October	0	0	--	--	--	0.0	633	629	W	W	6.9	W
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W
December	0	0	--	--	--	0.0	599	592	W	W	5.5	W
Year 2014												
January	0	0	--	--	--	0.0	405	400	W	W	3.7	W
February	0	0	--	--	--	0.0	296	292	W	W	3.2	W
March	0	0	--	--	--	0.0	354	349	W	W	3.8	W
April	0	0	--	--	--	0.0	439	435	W	W	5.1	W
May	0	0	--	--	--	0.0	490	486	W	W	5.7	W
June	0	0	--	--	--	0.0	438	435	W	W	5.0	W
July	0	0	--	--	--	0.0	475	471	W	W	5.0	W
August	0	0	--	--	--	0.0	624	619	W	W	6.3	W
Sept	0	0	--	--	--	0.0	553	548	W	W	5.9	W
October	0	0	--	--	--	0.0	578	573	W	W	6.1	W
November	0	0	--	--	--	0.0	476	471	W	W	5.1	W
December	0	0	--	--	--	0.0	638	632	W	W	6.5	W
Year 2015												
January	0	0	--	--	--	0.0	499	491	W	W	4.8	W
February	0	0	--	--	--	0.0	373	368	W	W	4.0	W
March	0	0	--	--	--	0.0	430	424	W	W	4.2	W
April	0	0	--	--	--	0.0	419	412	W	W	4.7	W
May	0	0	--	--	--	0.0	494	488	W	W	5.0	W
June	0	0	--	--	--	0.0	522	513	W	W	5.4	W
July	0	0	--	--	--	0.0	540	528	W	W	5.1	W
August	0	0	--	--	--	0.0	694	680	W	W	6.4	W
Year to Date												
2013	0	0	--	--	--	0.0	3,176	3,150	W	W	4.0	W
2014	0	0	--	--	--	0.0	3,520	3,487	W	W	4.7	W
2015	0	0	--	--	--	0.0	3,971	3,905	W	W	5.0	W
Rolling 12 Months Ending in August												
2014	0	0	--	--	--	0.0	5,841	5,787	W	W	5.1	W
2015	0	0	--	--	--	0.0	6,216	6,129	W	W	5.3	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - August 2015

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8
2013	275,543	12,727	W	W	1.32	64.4	2,431	394	18.20	112.29	1.43	15.8
2014	203,039	8,976	W	W	1.54	45.1	1,937	315	18.03	110.83	1.52	11.0
Year 2013												
January	22,923	1,071	W	W	1.23	60.6	330	53	18.32	113.35	1.58	20.1
February	20,789	962	W	W	1.31	60.2	214	35	18.09	110.29	1.33	15.3
March	23,120	1,078	W	W	1.24	61.7	318	52	18.11	111.18	1.25	26.9
April	21,566	986	W	W	1.35	63.0	226	36	W	W	1.63	18.6
May	23,533	1,082	W	W	1.31	66.8	244	39	17.85	110.67	1.41	19.2
June	22,312	1,032	W	W	1.18	66.0	246	40	18.19	112.54	1.69	22.2
July	24,077	1,120	W	W	1.29	67.0	208	33	17.37	108.22	1.66	20.8
August	24,220	1,116	W	W	1.30	68.6	161	26	18.55	113.24	1.38	17.0
Sept	23,042	1,066	W	W	1.37	69.7	80	13	18.61	114.88	1.32	8.8
October	22,581	1,031	W	W	1.38	63.7	102	17	19.09	118.20	0.80	10.1
November	23,845	1,092	W	W	1.42	64.9	104	17	19.02	115.77	1.00	9.5
December	23,534	1,091	W	W	1.40	61.8	198	32	18.35	113.33	1.25	7.7
Year 2014												
January	16,877	750	W	W	1.49	40.3	310	50	19.16	117.73	1.34	7.7
February	16,046	707	W	W	1.53	41.5	274	44	20.61	127.88	1.01	13.1
March	18,501	816	W	W	1.62	44.4	115	19	21.18	130.19	1.11	5.8
April	16,782	751	W	W	1.46	47.8	118	19	16.98	105.64	1.78	13.3
May	15,920	709	W	W	1.47	43.6	126	20	17.42	107.63	1.81	12.1
June	15,904	703	W	W	1.61	44.8	185	30	18.05	111.09	1.86	15.5
July	17,479	773	W	W	1.49	46.5	121	20	15.79	98.08	1.72	11.7
August	18,015	794	W	W	1.58	47.7	110	18	W	W	1.64	9.4
Sept	16,624	732	W	W	1.47	45.8	132	22	17.63	107.87	1.95	13.5
October	17,061	752	W	W	1.59	48.0	135	22	16.12	98.52	1.65	16.2
November	16,880	745	W	W	1.61	47.0	148	25	17.58	105.86	1.47	11.3
December	16,952	743	W	W	1.52	45.4	164	27	15.14	92.18	1.47	15.7
Year 2015												
January	17,813	775	W	W	1.59	46.0	159	26	12.53	76.07	2.04	6.3
February	13,545	597	W	W	1.65	40.0	405	67	16.55	99.49	1.65	12.3
March	17,748	778	W	W	1.48	47.4	1,607	262	W	W	1.99	108.0
April	14,725	649	W	W	1.67	45.5	247	41	13.17	78.37	1.00	21.5
May	15,203	676	W	W	1.46	46.4	59	10	14.16	86.77	1.50	4.5
June	15,221	670	W	W	1.58	46.7	195	31	12.73	79.17	1.58	15.3
July	17,508	778	W	W	1.54	49.7	350	57	12.95	79.16	1.84	29.1
August	15,865	703	W	W	1.48	45.2	127	21	13.09	79.74	1.66	12.0
Year to Date												
2013	182,541	8,447	W	W	1.28	64.2	1,947	315	18.08	111.58	1.50	19.9
2014	135,522	6,004	W	W	1.53	44.5	1,358	220	18.66	115.21	1.48	10.1
2015	127,628	5,627	W	W	1.55	45.9	3,147	516	13.55	82.66	1.79	23.6
Rolling 12 Months Ending in August												
2014	228,524	10,285	W	W	1.47	51.2	1,842	299	W	W	1.37	9.7
2015	195,145	8,599	W	W	1.55	46.1	3,726	611	W	W	1.78	21.3

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - August 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		(Dollars per MMBtu)
Period												
Annual Totals												
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	17,236	623	W	W	5.82	30.5	750,946	728,835	W	W	62.3	W
2014	7,120	255	W	W	5.89	14.5	714,558	691,601	W	W	61.8	W
Year 2013												
January	1,844	67	2.30	63.72	6.13	34.8	61,781	60,209	W	W	60.2	W
February	1,058	38	2.38	65.94	6.03	30.4	59,307	57,544	W	W	64.4	W
March	1,317	47	2.40	67.24	6.03	26.2	63,464	61,243	W	W	63.0	W
April	1,424	51	W	W	5.96	30.6	58,374	56,733	W	W	61.4	W
May	1,520	54	W	W	5.82	28.5	62,146	60,458	W	W	64.7	W
June	1,686	61	W	W	5.70	32.1	64,256	62,350	W	W	65.2	W
July	1,666	59	W	W	5.99	30.2	63,859	61,986	W	W	59.3	W
August	2,041	72	W	W	5.94	33.2	64,617	62,815	W	W	60.6	W
Sept	1,565	56	W	W	5.68	34.3	60,028	58,253	W	W	60.9	W
October	1,252	46	W	W	5.36	29.1	62,118	60,239	W	W	63.0	W
November	677	25	2.36	65.25	5.58	21.5	64,376	62,456	W	W	64.0	W
December	1,189	45	W	W	5.28	31.4	66,621	64,548	W	W	61.4	W
Year 2014												
January	219	8	W	W	6.07	5.3	63,493	61,584	W	W	59.7	W
February	161	6	W	W	6.30	4.4	56,999	55,245	W	W	62.2	W
March	577	21	W	W	5.82	14.5	62,891	60,988	W	W	62.8	W
April	503	18	W	W	6.00	14.4	56,195	54,553	W	W	61.2	W
May	361	13	W	W	5.57	13.7	57,677	55,846	W	W	64.2	W
June	766	27	W	W	5.67	23.7	58,178	56,342	W	W	63.2	W
July	571	20	W	W	5.85	10.5	62,126	60,142	W	W	63.9	W
August	666	24	W	W	5.86	12.3	62,503	60,408	W	W	63.3	W
Sept	769	27	W	W	6.00	16.1	57,174	55,248	W	W	59.9	W
October	736	26	W	W	6.00	19.8	55,885	54,016	W	W	60.2	W
November	835	31	W	W	5.89	20.1	59,425	57,413	W	W	61.2	W
December	956	35	W	W	5.94	20.9	62,014	59,817	W	W	60.2	W
Year 2015												
January	788	29	W	W	5.74	19.4	58,372	56,448	W	W	56.0	W
February	481	17	W	W	6.17	12.2	55,718	53,949	W	W	60.9	W
March	601	21	W	W	5.99	16.1	59,412	57,486	W	W	60.6	W
April	712	25	W	W	6.18	20.8	55,515	53,751	W	W	60.0	W
May	410	14	W	W	6.14	12.5	59,979	57,979	W	W	62.1	W
June	659	24	W	W	5.64	25.9	61,171	58,979	W	W	62.1	W
July	422	16	W	W	5.68	14.1	64,482	62,227	W	W	60.7	W
August	251	9	W	W	6.00	8.4	65,396	63,292	W	W	63.1	W
Year to Date												
2013	12,554	451	W	W	5.95	30.8	497,803	483,338	W	W	62.3	W
2014	3,823	136	W	W	5.84	12.0	480,061	465,107	W	W	62.5	W
2015	4,324	156	W	W	5.93	16.0	480,045	464,111	W	W	60.7	W
Rolling 12 Months Ending in August												
2014	8,505	308	W	W	5.63	17.9	733,204	710,604	W	W	62.4	W
2015	7,621	274	W	W	5.94	17.2	714,542	690,605	W	W	60.6	W

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Notes:

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See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	117	102	15.0%	44	9	72	92	0	0	1	1
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	3	93.0%	0	0	4	1	0	0	1	1
Massachusetts	68	91	-25.0%	0	0	68	91	0	0	0	0
New Hampshire	44	9	402.0%	44	9	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,512	3,097	-19.0%	0	0	2,485	3,044	0	0	26	54
New Jersey	71	44	62.0%	0	0	71	44	0	0	0	0
New York	92	192	-52.0%	0	0	75	151	0	0	16	41
Pennsylvania	2,349	2,862	-18.0%	0	0	2,339	2,849	0	0	10	13
East North Central	15,675	17,158	-8.6%	9,808	11,285	5,633	5,600	8	2	227	271
Illinois	4,884	5,253	-7.0%	1,122	433	3,604	4,636	0	0	158	184
Indiana	2,985	3,653	-18.0%	2,725	3,408	260	245	0	0	0	0
Michigan	2,471	2,758	-10.0%	2,415	2,707	48	44	8	2	0	5
Ohio	2,939	3,415	-14.0%	1,206	2,719	1,721	675	0	0	13	22
Wisconsin	2,396	2,078	15.0%	2,340	2,018	0	0	0	0	56	60
West North Central	12,083	11,413	5.9%	11,954	11,309	0	0	0	5	130	99
Iowa	1,955	1,651	18.0%	1,825	1,552	0	0	0	0	130	99
Kansas	1,692	1,575	7.4%	1,692	1,575	0	0	0	0	0	0
Minnesota	1,063	1,186	-10.0%	1,063	1,186	0	0	0	0	0	0
Missouri	3,813	3,477	9.7%	3,813	3,472	0	0	0	5	0	0
Nebraska	1,426	1,397	2.1%	1,426	1,397	0	0	0	0	0	0
North Dakota	1,995	1,974	1.1%	1,995	1,974	0	0	0	0	0	0
South Dakota	139	153	-9.4%	139	153	0	0	0	0	0	0
South Atlantic	10,817	11,123	-2.8%	9,403	9,231	1,298	1,740	0	0	115	152
Delaware	0	23	-100.0%	0	0	0	23	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,008	2,312	-13.0%	1,900	2,199	108	113	0	0	0	0
Georgia	1,880	2,012	-6.6%	1,868	1,966	0	0	0	0	12	46
Maryland	758	694	9.1%	0	0	735	669	0	0	23	26
North Carolina	1,586	1,695	-6.5%	1,586	1,695	0	0	0	0	0	0
South Carolina	1,222	1,009	21.0%	1,201	1,002	0	0	0	0	21	8
Virginia	690	909	-24.0%	617	808	46	67	0	0	27	35
West Virginia	2,673	2,467	8.3%	2,232	1,562	409	868	0	0	33	38
East South Central	7,052	8,371	-16.0%	6,599	7,872	326	369	0	0	127	130
Alabama	1,837	2,294	-20.0%	1,837	2,294	0	0	0	0	0	0
Kentucky	3,565	3,455	3.2%	3,565	3,455	0	0	0	0	0	0
Mississippi	563	755	-25.0%	237	386	326	369	0	0	0	0
Tennessee	1,087	1,866	-42.0%	959	1,736	0	0	0	0	127	130
West South Central	12,878	13,897	-7.3%	6,740	7,051	6,125	6,840	0	0	13	6
Arkansas	1,644	1,679	-2.1%	1,451	1,498	181	175	0	0	13	6
Louisiana	1,118	1,239	-9.8%	739	665	378	574	0	0	0	0
Oklahoma	1,435	1,588	-9.7%	1,331	1,482	104	106	0	0	0	0
Texas	8,682	9,390	-7.5%	3,220	3,406	5,462	5,984	0	0	0	0
Mountain	9,241	9,242	0.0%	8,344	8,243	888	962	0	0	10	37
Arizona	2,053	2,178	-5.7%	2,053	2,178	0	0	0	0	0	0
Colorado	1,633	1,431	14.0%	1,633	1,431	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	828	887	-6.7%	0	0	828	887	0	0	0	0
Nevada	131	325	-60.0%	71	250	60	75	0	0	0	0
New Mexico	1,090	969	12.0%	1,090	969	0	0	0	0	0	0
Utah	1,294	1,102	17.0%	1,284	1,065	0	0	0	0	10	37
Wyoming	2,213	2,350	-5.8%	2,213	2,350	0	0	0	0	0	0
Pacific Contiguous	562	536	4.9%	166	194	343	300	0	0	54	43
California	54	65	-17.0%	0	0	0	22	0	0	54	43
Oregon	166	194	-14.0%	166	194	0	0	0	0	0	0
Washington	343	278	23.0%	0	0	343	278	0	0	0	0
Pacific Noncontiguous	59	60	-2.1%	0	0	59	60	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	59	60	-2.1%	0	0	59	60	0	0	0	0
U.S. Total	70,997	74,999	-5.3%	53,057	55,193	17,230	19,006	8	7	703	794

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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 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) August 2015 and 2014
(Thousand Tons)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	1,489	2,207	-33.0%	449	436	1,016	1,748	0	0	24	23
Connecticut	251	406	-38.0%	0	0	251	406	0	0	0	0
Maine	77	66	16.0%	0	0	52	44	0	0	24	23
Massachusetts	713	1,045	-32.0%	0	0	713	1,045	0	0	0	0
New Hampshire	449	436	3.0%	449	436	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	19,409	25,774	-25.0%	0	0	19,118	25,463	0	0	291	312
New Jersey	636	733	-13.0%	0	0	636	733	0	0	0	0
New York	674	2,262	-70.0%	0	0	471	2,054	0	0	203	208
Pennsylvania	18,099	22,779	-21.0%	0	0	18,011	22,676	0	0	87	103
East North Central	115,027	127,515	-9.8%	74,641	82,382	38,540	43,156	27	55	1,819	1,922
Illinois	36,550	41,161	-11.0%	4,280	3,468	30,977	36,396	0	0	1,293	1,297
Indiana	24,127	27,098	-11.0%	22,238	25,265	1,889	1,833	0	0	0	0
Michigan	18,269	18,257	0.1%	18,028	17,978	193	164	27	55	21	59
Ohio	20,734	26,999	-23.0%	15,091	22,046	5,480	4,763	0	0	162	190
Wisconsin	15,348	14,001	9.6%	15,005	13,626	0	0	0	0	343	375
West North Central	91,586	86,834	5.5%	90,647	85,896	0	0	53	59	886	880
Iowa	14,414	11,554	25.0%	13,542	10,693	0	0	0	0	872	861
Kansas	12,165	12,280	-0.9%	12,165	12,280	0	0	0	0	0	0
Minnesota	11,569	9,917	17.0%	11,554	9,898	0	0	0	0	14	19
Missouri	28,077	27,101	3.6%	28,025	27,042	0	0	53	59	0	0
Nebraska	9,086	9,965	-8.8%	9,086	9,965	0	0	0	0	0	0
North Dakota	15,720	14,825	6.0%	15,720	14,825	0	0	0	0	0	0
South Dakota	554	1,193	-54.0%	554	1,193	0	0	0	0	0	0
South Atlantic	75,541	79,351	-4.8%	63,133	62,369	11,449	15,772	0	0	959	1,210
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	13,733	13,676	0.4%	13,257	13,079	476	597	0	0	0	0
Georgia	13,515	13,547	-0.2%	13,374	13,231	0	0	0	0	141	316
Maryland	4,636	5,766	-20.0%	0	0	4,424	5,517	0	0	212	249
North Carolina	10,094	10,707	-5.7%	10,094	10,707	0	0	0	0	0	0
South Carolina	8,176	6,683	22.0%	8,056	6,547	0	0	0	0	120	135
Virginia	5,260	7,070	-26.0%	4,558	6,233	474	587	0	0	228	250
West Virginia	19,976	21,450	-6.9%	13,795	12,571	5,923	8,619	0	0	258	260
East South Central	52,382	58,497	-10.0%	48,923	55,074	2,461	2,390	0	0	998	1,033
Alabama	13,710	15,892	-14.0%	13,710	15,892	0	0	0	0	0	0
Kentucky	27,939	24,311	15.0%	27,863	24,311	76	0	0	0	0	0
Mississippi	3,559	4,514	-21.0%	1,174	2,123	2,385	2,390	0	0	0	0
Tennessee	7,174	13,781	-48.0%	6,176	12,748	0	0	0	0	998	1,033
West South Central	87,535	97,302	-10.0%	46,674	48,788	40,802	48,481	0	0	59	32
Arkansas	10,103	11,999	-16.0%	8,391	10,689	1,653	1,277	0	0	59	32
Louisiana	7,425	7,253	2.4%	4,274	3,161	3,151	4,092	0	0	0	0
Oklahoma	12,085	11,869	1.8%	11,277	11,143	808	726	0	0	0	0
Texas	57,922	66,181	-12.0%	22,732	23,795	35,190	42,386	0	0	0	0
Mountain	69,455	67,679	2.6%	63,043	61,556	6,252	5,902	0	0	160	221
Arizona	14,639	15,081	-2.9%	14,639	15,081	0	0	0	0	0	0
Colorado	12,930	11,184	16.0%	12,930	11,184	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	5,920	5,386	9.9%	0	0	5,920	5,386	0	0	0	0
Nevada	862	2,737	-68.0%	530	2,221	332	516	0	0	0	0
New Mexico	8,195	7,899	3.7%	8,195	7,899	0	0	0	0	0	0
Utah	10,185	8,824	15.0%	10,026	8,603	0	0	0	0	160	221
Wyoming	16,723	16,567	0.9%	16,723	16,567	0	0	0	0	0	0
Pacific Contiguous	3,526	5,086	-31.0%	879	1,483	2,215	3,231	0	0	432	372
California	432	545	-21.0%	0	0	0	174	0	0	432	372
Oregon	879	1,483	-41.0%	879	1,483	0	0	0	0	0	0
Washington	2,215	3,058	-28.0%	0	0	2,215	3,058	0	0	0	0
Pacific Noncontiguous	415	483	-14.0%	0	0	415	483	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	415	483	-14.0%	0	0	415	483	0	0	0	0
U.S. Total	516,365	550,729	-6.2%	388,389	397,983	122,269	146,628	80	114	5,627	6,004

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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, August 2015 and 2014
(Thousand Barrels)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	202	124	63.0%	1	122	201	1	0	0	0	0
Connecticut	0	0	92.0%	0	0	0	0	0	0	0	0
Maine	1	1	-39.0%	0	0	1	1	0	0	0	0
Massachusetts	200	14	NM	0	14	200	0	0	0	0	0
New Hampshire	1	108	-99.0%	1	108	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	82	208	-61.0%	4	87	77	118	0	0	0	3
New Jersey	3	5	-28.0%	0	0	3	5	0	0	0	0
New York	11	184	-94.0%	4	87	6	95	0	0	0	3
Pennsylvania	68	19	263.0%	0	0	68	19	0	0	0	0
East North Central	72	87	-17.0%	44	66	25	20	0	0	3	1
Illinois	7	10	-32.0%	3	3	4	7	0	0	0	0
Indiana	14	20	-29.0%	14	20	0	0	0	0	0	0
Michigan	18	13	34.0%	17	13	0	0	0	0	0	0
Ohio	30	38	-21.0%	9	24	19	13	0	0	2	1
Wisconsin	4	7	-44.0%	1	7	2	0	0	0	0	0
West North Central	24	22	8.2%	24	22	0	0	0	0	0	0
Iowa	2	4	-40.0%	2	4	0	0	0	0	0	0
Kansas	2	9	-82.0%	2	9	0	0	0	0	0	0
Minnesota	1	1	-22.0%	1	1	0	0	0	0	0	0
Missouri	12	7	69.0%	12	7	0	0	0	0	0	0
Nebraska	2	0	--	2	0	0	0	0	0	0	0
North Dakota	3	1	132.0%	3	1	0	0	0	0	0	0
South Dakota	2	0	--	2	0	0	0	0	0	0	0
South Atlantic	415	165	152.0%	308	135	89	16	0	0	18	14
Delaware	4	0	--	0	0	4	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	48	12	313.0%	47	12	1	0	0	0	0	0
Georgia	8	8	0.8%	5	4	0	0	0	0	3	5
Maryland	75	15	406.0%	0	0	75	15	0	0	0	0
North Carolina	48	14	236.0%	48	14	0	0	0	0	0	0
South Carolina	22	11	98.0%	9	2	0	0	0	0	13	9
Virginia	193	81	137.0%	188	80	3	1	0	0	1	0
West Virginia	16	23	-29.0%	10	23	6	0	0	0	0	0
East South Central	23	33	-30.0%	23	33	0	0	0	0	0	0
Alabama	4	4	-6.8%	4	4	0	0	0	0	0	0
Kentucky	11	23	-53.0%	11	23	0	0	0	0	0	0
Mississippi	1	0	--	1	0	0	0	0	0	0	0
Tennessee	7	6	20.0%	7	6	0	0	0	0	0	0
West South Central	5	67	-92.0%	3	54	2	13	0	0	0	0
Arkansas	0	3	-100.0%	0	0	0	3	0	0	0	0
Louisiana	1	50	-99.0%	0	46	0	4	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	5	14	-65.0%	3	8	2	6	0	0	0	0
Mountain	32	31	5.6%	31	26	2	5	0	0	0	0
Arizona	9	11	-13.0%	9	11	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	4	-82.0%	0	0	1	4	0	0	0	0
Nevada	4	2	101.0%	3	2	1	0	0	0	0	0
New Mexico	10	5	82.0%	10	5	0	0	0	0	0	0
Utah	1	1	1.7%	1	1	0	0	0	0	0	0
Wyoming	7	7	1.2%	7	7	0	0	0	0	0	0
Pacific Contiguous	1	3	-64.0%	0	0	1	3	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	1	3	-64.0%	0	0	1	3	0	0	0	0
Pacific Noncontiguous	666	764	-13.0%	503	578	163	186	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	666	764	-13.0%	503	578	163	186	0	0	0	0
U.S. Total	1,523	1,503	1.3%	942	1,124	560	361	0	0	21	18

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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) August 2015 and 2014
(Thousand Barrels)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	1,448	2,183	-34.0%	62	333	1,353	1,812	0	0	32	39
Connecticut	292	492	-41.0%	0	0	292	492	0	0	0	0
Maine	487	241	102.0%	0	0	455	203	0	0	32	39
Massachusetts	578	947	-39.0%	5	95	572	851	0	0	0	0
New Hampshire	80	417	-81.0%	57	238	23	179	0	0	0	0
Rhode Island	11	87	-87.0%	0	0	11	87	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,886	3,857	-25.0%	1,040	894	1,841	2,952	0	0	5	10
New Jersey	69	232	-70.0%	0	0	69	232	0	0	0	0
New York	2,061	2,720	-24.0%	1,040	894	1,016	1,816	0	0	5	9
Pennsylvania	756	905	-16.0%	0	0	756	904	0	0	0	1
East North Central	768	1,056	-27.0%	580	686	159	338	0	0	29	32
Illinois	62	120	-49.0%	20	30	42	91	0	0	0	0
Indiana	204	190	7.0%	204	190	0	0	0	0	0	0
Michigan	131	159	-18.0%	123	149	0	0	0	0	9	10
Ohio	328	511	-36.0%	196	246	114	245	0	0	19	20
Wisconsin	43	75	-43.0%	38	71	4	2	0	0	1	2
West North Central	263	373	-29.0%	263	370	0	2	0	0	0	0
Iowa	45	66	-33.0%	45	66	0	0	0	0	0	0
Kansas	54	57	-5.8%	54	57	0	0	0	0	0	0
Minnesota	16	67	-76.0%	16	64	0	2	0	0	0	0
Missouri	105	117	-10.0%	105	117	0	0	0	0	0	0
Nebraska	2	29	-94.0%	2	29	0	0	0	0	0	0
North Dakota	34	31	7.7%	34	31	0	0	0	0	0	0
South Dakota	8	6	44.0%	8	6	0	0	0	0	0	0
South Atlantic	3,787	4,256	-11.0%	2,635	2,976	704	1,141	0	0	448	139
Delaware	65	21	209.0%	0	0	65	21	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	471	295	60.0%	468	286	4	9	0	0	0	0
Georgia	222	287	-23.0%	106	182	75	47	0	0	41	58
Maryland	261	771	-66.0%	0	0	261	771	0	0	0	0
North Carolina	432	595	-27.0%	399	584	33	11	0	0	0	0
South Carolina	365	455	-20.0%	266	400	7	0	0	0	92	56
Virginia	1,838	1,655	11.0%	1,270	1,376	253	253	0	0	315	26
West Virginia	133	177	-25.0%	127	149	6	29	0	0	0	0
East South Central	401	395	1.7%	373	372	27	23	0	0	2	0
Alabama	87	108	-20.0%	60	86	27	23	0	0	0	0
Kentucky	132	150	-12.0%	132	150	0	0	0	0	0	0
Mississippi	45	15	196.0%	45	15	0	0	0	0	0	0
Tennessee	137	121	13.0%	135	121	0	0	0	0	2	0
West South Central	243	253	-3.6%	166	129	77	123	0	0	0	0
Arkansas	54	24	125.0%	40	12	14	12	0	0	0	0
Louisiana	82	99	-17.0%	64	63	18	37	0	0	0	0
Oklahoma	2	14	-89.0%	2	14	0	0	0	0	0	0
Texas	105	114	-8.2%	60	40	45	74	0	0	0	0
Mountain	263	242	8.7%	250	223	13	18	0	0	0	0
Arizona	75	66	14.0%	75	66	0	0	0	0	0	0
Colorado	5	4	30.0%	5	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	9	16	-47.0%	0	0	9	16	0	0	0	0
Nevada	23	17	33.0%	19	15	4	2	0	0	0	0
New Mexico	83	74	13.0%	83	74	0	0	0	0	0	0
Utah	23	20	11.0%	23	20	0	0	0	0	0	0
Wyoming	46	44	3.1%	46	44	0	0	0	0	0	0
Pacific Contiguous	8	20	-59.0%	1	7	7	12	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	1	7	-87.0%	1	7	0	0	0	0	0	0
Washington	7	12	-41.0%	0	0	7	12	0	0	0	0
Pacific Noncontiguous	5,978	6,005	-0.5%	4,693	4,702	1,285	1,303	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	5,978	6,005	-0.5%	4,693	4,702	1,285	1,303	0	0	0	0
U.S. Total	16,046	18,639	-14.0%	10,064	10,695	5,465	7,724	0	0	516	220

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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, August 2015 and 2014
(Thousand Tons)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 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	124	122	1.6%	69	63	45	49	0	0	9	9
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	42	38	9.0%	42	38	0	0	0	0	0	0
Michigan	26	26	-1.9%	26	22	0	4	0	0	0	0
Ohio	45	46	-0.2%	0	0	45	46	0	0	0	0
Wisconsin	11	12	-8.4%	2	3	0	0	0	0	9	9
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	65	49	33.0%	65	34	0	0	0	0	0	15
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	65	34	92.0%	65	34	0	0	0	0	0	0
Georgia	0	15	-100.0%	0	0	0	0	0	0	0	15
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	37	81	-55.0%	37	81	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	37	81	-55.0%	37	81	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	170	186	-8.7%	170	186	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	170	186	-8.7%	170	186	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	396	439	-9.7%	342	365	45	49	0	0	9	24

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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) August 2015 and 2014
(Thousand Tons)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015	August 2014	Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
	YTD	YTD		YTD	YTD	YTD	YTD	YTD	YTD	YTD	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	898	1,020	-12.0%	506	608	336	335	0	0	56	76
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	253	318	-21.0%	253	318	0	0	0	0	0	0
Michigan	249	268	-7.3%	236	253	13	15	0	0	0	0
Ohio	323	321	0.8%	0	0	323	321	0	0	0	0
Wisconsin	73	113	-35.0%	17	37	0	0	0	0	56	76
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	731	808	-9.5%	631	748	0	0	0	0	100	60
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	631	748	-16.0%	631	748	0	0	0	0	0	0
Georgia	100	60	66.0%	0	0	0	0	0	0	100	60
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	396	278	42.0%	396	278	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	396	278	42.0%	396	278	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	1,122	1,190	-5.7%	1,122	1,190	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,122	1,190	-5.7%	1,122	1,190	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	3,147	3,296	-4.5%	2,655	2,824	336	335	0	0	156	136

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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, August 2015 and 2014
(Million Cubic Feet)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015		Percentage Change	Electric Utilities		Independent Power Producers		August 2015	August 2014	August 2015	August 2014
	August 2015	August 2014		August 2015	August 2014	August 2015	August 2014				
New England	47,269	37,234	27.0%	814	252	46,438	36,409	0	0	18	574
Connecticut	11,917	10,190	17.0%	0	0	11,917	10,190	0	0	0	0
Maine	1,891	2,598	-27.0%	0	0	1,873	2,024	0	0	18	574
Massachusetts	21,827	15,493	41.0%	642	222	21,185	15,272	0	0	0	0
New Hampshire	4,624	3,336	39.0%	172	30	4,452	3,305	0	0	0	0
Rhode Island	7,011	5,618	25.0%	0	0	7,011	5,618	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	120,585	103,007	17.0%	11,963	10,492	108,483	92,394	0	0	138	122
New Jersey	26,747	22,329	20.0%	0	0	26,747	22,329	0	0	0	0
New York	48,886	42,490	15.0%	11,963	10,492	36,858	31,934	0	0	65	63
Pennsylvania	44,951	38,189	18.0%	0	0	44,878	38,131	0	0	73	58
East North Central	56,511	43,824	29.0%	24,157	14,962	31,415	28,268	503	511	436	82
Illinois	6,838	5,020	36.0%	839	589	5,997	4,429	0	0	2	2
Indiana	9,198	5,567	65.0%	7,510	3,254	1,688	2,313	0	0	0	0
Michigan	13,148	8,832	49.0%	2,829	2,531	9,516	5,741	503	511	300	48
Ohio	19,032	18,704	1.8%	5,602	5,958	13,366	12,742	0	0	64	4
Wisconsin	8,295	5,701	46.0%	7,376	2,630	849	3,042	0	0	71	28
West North Central	17,402	12,948	34.0%	14,278	11,250	2,947	1,587	177	108	0	4
Iowa	3,340	3,178	5.1%	3,340	3,175	0	0	0	0	0	3
Kansas	1,722	1,690	1.9%	1,722	1,690	0	0	0	0	0	0
Minnesota	5,828	2,865	103.0%	4,655	2,563	1,173	302	0	0	0	0
Missouri	5,030	4,181	20.0%	3,079	2,788	1,774	1,285	177	108	0	0
Nebraska	629	491	28.0%	629	491	0	0	0	0	0	0
North Dakota	134	0	NM	134	0	0	0	0	0	0	0
South Dakota	720	542	33.0%	720	542	0	0	0	0	0	0
South Atlantic	225,192	201,286	12.0%	178,947	159,612	43,174	39,509	0	0	3,072	2,166
Delaware	5,918	6,172	-4.1%	0	0	4,721	5,221	0	0	1,197	952
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	110,141	111,570	-1.3%	104,931	104,481	5,210	7,088	0	0	0	0
Georgia	37,105	33,504	11.0%	22,728	21,653	13,185	11,272	0	0	1,191	579
Maryland	4,617	2,895	59.0%	0	0	4,586	2,881	0	0	31	15
North Carolina	24,811	20,514	21.0%	21,140	14,245	3,671	6,268	0	0	0	0
South Carolina	13,341	8,870	50.0%	12,174	8,282	1,144	570	0	0	23	18
Virginia	27,412	17,106	60.0%	17,887	10,930	8,895	5,573	0	0	630	603
West Virginia	1,848	656	182.0%	86	21	1,762	635	0	0	0	0
East South Central	76,235	64,617	18.0%	44,328	32,710	31,263	31,341	0	0	644	566
Alabama	35,921	33,260	8.0%	8,847	6,485	27,074	26,775	0	0	0	0
Kentucky	2,305	1,044	121.0%	1,421	986	884	58	0	0	0	0
Mississippi	31,371	24,306	29.0%	28,066	19,799	3,305	4,508	0	0	0	0
Tennessee	6,638	6,007	10.0%	5,993	5,441	0	0	0	0	644	566
West South Central	305,263	287,630	6.1%	95,029	83,689	154,668	151,045	0	0	55,565	52,897
Arkansas	12,140	7,716	57.0%	3,730	1,104	8,094	6,311	0	0	316	301
Louisiana	51,451	48,700	5.6%	30,234	24,586	3,247	8,118	0	0	17,969	15,995
Oklahoma	28,336	25,847	9.6%	17,827	17,069	10,509	8,778	0	0	0	0
Texas	213,336	205,368	3.9%	43,239	40,929	132,818	127,838	0	0	37,279	36,601
Mountain	81,268	70,593	15.0%	58,389	44,900	22,824	25,639	0	0	55	54
Arizona	34,311	29,571	16.0%	16,645	12,430	17,666	17,142	0	0	0	0
Colorado	9,343	7,971	17.0%	7,855	4,987	1,489	2,984	0	0	0	0
Idaho	3,075	2,606	18.0%	2,077	1,531	998	1,075	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	21,611	17,265	25.0%	21,611	15,034	0	2,231	0	0	0	0
New Mexico	7,301	7,448	-2.0%	4,897	5,438	2,404	2,010	0	0	0	0
Utah	5,621	5,730	-1.9%	5,299	5,478	267	197	0	0	55	54
Wyoming	5	3	76.0%	5	3	0	0	0	0	0	0
Pacific Contiguous	98,829	92,684	6.6%	36,249	36,237	59,217	52,504	0	0	3,364	3,943
California	78,199	71,743	9.0%	23,432	22,117	51,403	45,682	0	0	3,364	3,943
Oregon	11,257	10,406	8.2%	4,642	4,687	6,614	5,718	0	0	0	0
Washington	9,374	10,536	-11.0%	8,174	9,433	1,199	1,103	0	0	0	0
Pacific Noncontiguous	1,244	1,634	-24.0%	1,244	1,634	0	0	0	0	0	0
Alaska	1,244	1,634	-24.0%	1,244	1,634	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,029,798	915,459	12.0%	465,398	395,736	500,428	458,695	680	619	63,292	60,408

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	August 2015 YTD	August 2014 YTD	Percentage Change	Electric Utilities		Independent Power Producers		August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
				August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD				
New England	252,106	222,545	13.0%	1,786	1,515	249,842	216,902	0	0	478	4,128
Connecticut	75,087	64,662	16.0%	0	0	75,087	64,662	0	0	0	0
Maine	10,831	21,793	-50.0%	0	0	10,353	17,664	0	0	478	4,128
Massachusetts	101,992	86,747	18.0%	1,512	1,174	100,481	85,573	0	0	0	0
New Hampshire	28,909	19,473	48.0%	274	341	28,635	19,132	0	0	0	0
Rhode Island	35,286	29,871	18.0%	0	0	35,286	29,871	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	730,970	653,664	12.0%	67,980	65,533	661,658	586,830	0	0	1,332	1,300
New Jersey	171,641	146,068	18.0%	0	0	171,641	146,068	0	0	0	0
New York	285,674	271,777	5.1%	67,980	65,533	217,155	205,646	0	0	539	598
Pennsylvania	273,655	235,819	16.0%	0	0	272,862	235,117	0	0	793	703
East North Central	427,993	294,983	45.0%	169,041	112,816	251,466	177,454	3,215	2,979	4,269	1,733
Illinois	45,867	22,305	106.0%	3,037	2,471	42,789	19,803	0	0	41	31
Indiana	77,508	50,159	55.0%	61,644	34,363	15,864	15,796	0	0	0	0
Michigan	99,217	69,325	43.0%	20,226	17,825	72,991	47,548	3,215	2,979	2,784	972
Ohio	140,196	117,372	19.0%	45,358	41,465	94,537	75,788	0	0	301	119
Wisconsin	65,203	35,821	82.0%	38,775	16,691	25,284	18,518	0	0	1,143	612
West North Central	90,988	61,062	49.0%	77,668	51,720	12,554	8,775	689	508	77	61
Iowa	15,541	8,932	74.0%	15,532	8,917	0	0	0	0	9	15
Kansas	9,177	9,533	-3.7%	9,177	9,533	0	0	0	0	0	0
Minnesota	33,364	17,528	90.0%	28,414	13,569	4,878	3,913	5	0	67	45
Missouri	25,818	20,502	26.0%	17,457	15,133	7,677	4,861	685	508	0	0
Nebraska	2,811	2,523	11.0%	2,811	2,523	0	0	0	0	0	0
North Dakota	359	8	NM	359	8	0	0	0	0	0	0
South Dakota	3,919	2,035	93.0%	3,919	2,035	0	0	0	0	0	0
South Atlantic	1,513,958	1,252,955	21.0%	1,212,546	1,018,014	277,341	219,671	0	0	24,071	15,270
Delaware	39,620	33,876	17.0%	0	0	29,884	27,158	0	0	9,736	6,718
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	750,822	699,782	7.3%	719,513	668,448	31,309	31,335	0	0	0	0
Georgia	248,344	187,745	32.0%	158,013	132,617	82,016	49,929	0	0	8,315	5,199
Maryland	24,988	12,957	93.0%	0	0	24,754	12,764	0	0	234	194
North Carolina	180,794	135,231	34.0%	145,657	93,950	35,138	41,281	0	0	0	0
South Carolina	83,129	60,843	37.0%	74,623	54,406	8,107	6,232	0	0	400	205
Virginia	177,740	118,323	50.0%	113,786	66,775	58,566	48,595	0	0	5,387	2,954
West Virginia	8,520	4,197	103.0%	953	1,819	7,567	2,379	0	0	0	0
East South Central	561,239	429,149	31.0%	321,507	251,731	234,982	175,827	0	0	4,750	1,590
Alabama	254,495	205,517	24.0%	64,176	60,448	190,319	145,069	0	0	0	0
Kentucky	27,911	22,597	24.0%	23,301	21,085	4,610	1,512	0	0	0	0
Mississippi	226,620	166,953	36.0%	186,567	137,707	40,053	29,246	0	0	0	0
Tennessee	52,213	34,081	53.0%	47,463	32,491	0	0	0	0	4,750	1,590
West South Central	1,983,231	1,754,266	13.0%	549,821	472,382	1,029,406	871,915	0	0	404,005	409,969
Arkansas	84,144	52,499	60.0%	21,139	8,346	60,332	42,934	0	0	2,673	1,219
Louisiana	355,267	332,172	7.0%	179,542	141,399	50,433	58,302	0	0	125,291	132,471
Oklahoma	174,570	148,379	18.0%	114,662	100,841	59,908	47,538	0	0	0	0
Texas	1,369,250	1,221,216	12.0%	234,477	221,797	858,733	723,140	0	0	276,040	276,279
Mountain	423,174	378,283	12.0%	297,119	247,227	125,661	130,618	0	0	394	437
Arizona	150,816	134,211	12.0%	72,898	59,781	77,917	74,430	0	0	0	0
Colorado	54,116	57,483	-5.9%	38,518	33,412	15,599	24,071	0	0	0	0
Idaho	14,992	10,397	44.0%	9,185	5,638	5,807	4,759	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	124,966	94,677	32.0%	117,518	83,542	7,448	11,135	0	0	0	0
New Mexico	44,422	45,313	-2.0%	26,516	30,023	17,906	15,290	0	0	0	0
Utah	33,792	36,131	-6.5%	32,414	34,760	984	934	0	0	394	437
Wyoming	70	70	0.2%	70	70	0	0	0	0	0	0
Pacific Contiguous	559,866	564,057	-0.7%	214,147	204,417	320,984	329,022	0	0	24,735	30,618
California	449,860	473,221	-4.9%	149,208	148,093	275,917	294,509	0	0	24,735	30,618
Oregon	66,267	50,617	31.0%	25,600	19,140	40,666	31,477	0	0	0	0
Washington	43,739	40,219	8.8%	39,338	37,184	4,401	3,035	0	0	0	0
Pacific Noncontiguous	10,780	13,503	-20.0%	10,780	13,503	0	0	0	0	0	0
Alaska	10,780	13,503	-20.0%	10,780	13,503	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	6,554,304	5,624,466	17.0%	2,922,394	2,438,859	3,163,894	2,717,012	3,905	3,487	464,111	465,107

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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, August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014
New England	W	W	W	3.96	3.99	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.96	3.99	-0.8%	3.96	3.99	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.36	2.53	-6.7%	--	--	2.36	2.53
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	--	--	W	W
Pennsylvania	2.29	2.48	-7.7%	--	--	2.29	2.48
East North Central	2.16	2.33	-7.3%	2.24	2.43	2.01	2.12
Illinois	1.91	2.06	-7.3%	2.02	2.18	1.88	2.05
Indiana	W	W	W	2.30	2.56	W	W
Michigan	W	W	W	2.35	2.47	W	W
Ohio	W	W	W	2.12	2.31	W	W
Wisconsin	2.23	2.35	-5.1%	2.23	2.35	--	--
West North Central	1.70	1.79	-5.0%	1.70	1.79	--	--
Iowa	1.62	1.65	-1.8%	1.62	1.65	--	--
Kansas	1.68	1.81	-7.2%	1.68	1.81	--	--
Minnesota	1.91	2.02	-5.4%	1.91	2.02	--	--
Missouri	1.89	2.00	-5.5%	1.89	2.00	--	--
Nebraska	1.34	1.39	-3.6%	1.34	1.39	--	--
North Dakota	1.50	1.60	-6.3%	1.50	1.60	--	--
South Dakota	2.29	2.07	11.0%	2.29	2.07	--	--
South Atlantic	2.95	3.13	-5.8%	2.98	3.22	2.72	2.68
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.10	3.30	W	W
Georgia	2.93	3.15	-7.0%	2.93	3.15	--	--
Maryland	2.83	2.87	-1.4%	--	--	2.83	2.87
North Carolina	3.44	3.66	-6.0%	3.44	3.66	--	--
South Carolina	3.51	3.62	-3.0%	3.51	3.62	--	--
Virginia	W	W	W	2.79	3.16	W	W
West Virginia	W	2.38	W	2.36	2.48	W	2.19
East South Central	W	W	W	2.32	2.56	W	W
Alabama	2.47	2.85	-13.0%	2.47	2.85	--	--
Kentucky	2.19	2.34	-6.4%	2.19	2.34	--	--
Mississippi	W	W	W	3.05	3.18	W	W
Tennessee	2.38	2.52	-5.6%	2.38	2.52	--	--
West South Central	2.12	2.04	3.9%	2.25	2.14	1.97	1.93
Arkansas	W	W	W	2.26	2.44	W	W
Louisiana	W	W	W	3.07	2.25	W	W
Oklahoma	W	W	W	1.97	1.97	W	W
Texas	2.04	1.96	4.1%	2.18	2.06	1.95	1.90
Mountain	W	W	W	1.90	2.01	W	W
Arizona	1.92	2.09	-8.1%	1.92	2.09	--	--
Colorado	1.86	2.00	-7.0%	1.86	2.00	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.71	2.55	W	W
New Mexico	2.37	2.48	-4.4%	2.37	2.48	--	--
Utah	1.96	2.19	-11.0%	1.96	2.19	--	--
Wyoming	1.59	1.55	2.6%	1.59	1.55	--	--
Pacific Contiguous	W	W	W	2.52	2.57	W	W
California	--	W	W	--	--	--	W
Oregon	2.52	2.57	-1.9%	2.52	2.57	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.22	2.36	-5.9%	2.26	2.41	2.12	2.20

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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) August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	3.57	3.54	0.8%	3.90	4.30	3.40	3.32
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.90	4.30	-9.3%	3.90	4.30	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.47	2.68	-7.8%	--	--	2.47	2.68
New Jersey	3.90	3.84	1.6%	--	--	3.90	3.84
New York	3.07	3.02	1.7%	--	--	3.07	3.02
Pennsylvania	2.40	2.61	-8.0%	--	--	2.40	2.61
East North Central	2.21	2.33	-5.2%	2.31	2.45	2.00	2.06
Illinois	1.93	1.99	-3.0%	2.02	2.09	1.91	1.98
Indiana	W	W	W	2.32	2.58	W	W
Michigan	W	W	W	2.48	2.59	W	W
Ohio	W	W	W	2.19	2.30	W	W
Wisconsin	2.32	2.33	-0.4%	2.32	2.33	--	--
West North Central	1.74	1.78	-2.2%	1.74	1.78	--	--
Iowa	1.63	1.64	-0.6%	1.63	1.64	--	--
Kansas	1.71	1.79	-4.5%	1.71	1.79	--	--
Minnesota	1.93	1.96	-1.5%	1.93	1.96	--	--
Missouri	1.92	2.00	-4.0%	1.92	2.00	--	--
Nebraska	1.36	1.40	-2.9%	1.36	1.40	--	--
North Dakota	1.54	1.54	0.0%	1.54	1.54	--	--
South Dakota	2.23	2.10	6.2%	2.23	2.10	--	--
South Atlantic	2.96	3.10	-4.5%	3.03	3.22	2.60	2.65
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.07	3.34	W	W
Georgia	2.97	3.13	-5.1%	2.97	3.13	--	--
Maryland	2.89	3.02	-4.3%	--	--	2.89	3.02
North Carolina	3.53	3.61	-2.2%	3.53	3.61	--	--
South Carolina	3.56	3.64	-2.2%	3.56	3.64	--	--
Virginia	W	W	W	2.91	3.21	W	W
West Virginia	2.34	2.43	-3.7%	2.40	2.61	2.19	2.16
East South Central	W	W	W	2.35	2.53	W	W
Alabama	2.47	2.75	-10.0%	2.47	2.75	--	--
Kentucky	W	2.36	W	2.24	2.36	W	--
Mississippi	W	W	W	3.21	3.32	W	W
Tennessee	2.40	2.47	-2.8%	2.40	2.47	--	--
West South Central	2.07	2.06	0.5%	2.17	2.16	1.95	1.94
Arkansas	W	W	W	2.26	2.38	W	W
Louisiana	W	W	W	2.70	2.44	W	W
Oklahoma	W	W	W	1.98	1.97	W	W
Texas	2.01	2.00	0.5%	2.14	2.12	1.92	1.92
Mountain	W	W	W	1.91	1.99	W	W
Arizona	2.01	2.11	-4.7%	2.01	2.11	--	--
Colorado	1.80	1.93	-6.7%	1.80	1.93	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.72	2.43	W	W
New Mexico	2.37	2.39	-0.8%	2.37	2.39	--	--
Utah	1.95	2.07	-5.8%	1.95	2.07	--	--
Wyoming	1.63	1.58	3.2%	1.63	1.58	--	--
Pacific Contiguous	W	W	W	2.39	2.49	W	W
California	--	W	W	--	--	--	W
Oregon	2.39	2.49	-4.0%	2.39	2.49	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.24	2.35	-4.7%	2.27	2.39	2.16	2.26

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014
New England	W	W	W	11.76	16.50	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	20.77	W	--	20.77	W	--
New Hampshire	11.76	15.98	-26.0%	11.76	15.98	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.25	18.84	-35.0%	12.60	17.42	12.23	19.90
New Jersey	11.28	21.28	-47.0%	--	--	11.28	21.28
New York	13.93	W	W	12.60	17.42	14.78	W
Pennsylvania	12.00	W	W	--	--	12.00	W
East North Central	W	21.73	W	12.66	21.64	W	22.02
Illinois	12.96	22.90	-43.0%	12.75	24.95	13.09	22.18
Indiana	13.69	21.45	-36.0%	13.69	21.45	--	--
Michigan	11.82	21.06	-44.0%	11.82	21.06	--	--
Ohio	11.91	21.86	-46.0%	12.38	21.83	11.68	21.92
Wisconsin	W	21.30	W	14.62	21.30	W	--
West North Central	13.01	21.85	-40.0%	13.01	21.85	--	--
Iowa	11.86	21.58	-45.0%	11.86	21.58	--	--
Kansas	12.20	21.67	-44.0%	12.20	21.67	--	--
Minnesota	12.79	22.26	-43.0%	12.79	22.26	--	--
Missouri	12.21	21.85	-44.0%	12.21	21.85	--	--
Nebraska	22.03	--	--	22.03	--	--	--
North Dakota	12.06	23.43	-49.0%	12.06	23.43	--	--
South Dakota	12.81	--	--	12.81	--	--	--
South Atlantic	W	20.79	W	10.44	20.76	W	20.99
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	11.73	22.34	W	W
Georgia	11.10	22.43	-51.0%	11.10	22.43	--	--
Maryland	11.16	W	W	--	--	11.16	W
North Carolina	11.57	21.24	-46.0%	11.57	21.24	--	--
South Carolina	15.15	21.57	-30.0%	15.15	21.57	--	--
Virginia	W	W	W	9.56	20.12	W	W
West Virginia	W	21.56	W	11.91	21.56	W	--
East South Central	12.18	21.50	-43.0%	12.18	21.50	--	--
Alabama	12.16	22.47	-46.0%	12.16	22.47	--	--
Kentucky	12.92	21.45	-40.0%	12.92	21.45	--	--
Mississippi	10.86	--	--	10.86	--	--	--
Tennessee	11.31	21.05	-46.0%	11.31	21.05	--	--
West South Central	W	21.38	W	11.85	21.25	W	21.94
Arkansas	--	W	W	--	--	--	W
Louisiana	W	W	W	13.38	21.30	W	W
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	11.76	20.92	W	W
Mountain	W	W	W	13.46	24.08	W	W
Arizona	11.84	23.89	-50.0%	11.84	23.89	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	16.92	23.76	W	W
New Mexico	14.37	24.62	-42.0%	14.37	24.62	--	--
Utah	10.54	22.88	-54.0%	10.54	22.88	--	--
Wyoming	13.08	24.20	-46.0%	13.08	24.20	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	12.25	21.56	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	12.25	21.56	W	W
U.S. Total	12.04	W	W	11.73	20.62	12.56	W

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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) August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	W	W	W	11.46	18.75	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	14.58	19.93	-27.0%	22.01	21.39	14.51	19.78
New Hampshire	W	W	W	10.51	17.78	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.73	21.21	-40.0%	10.13	19.82	14.51	21.68
New Jersey	16.34	23.62	-31.0%	--	--	16.34	23.62
New York	12.39	20.39	-39.0%	10.13	19.82	14.75	20.70
Pennsylvania	13.79	23.26	-41.0%	--	--	13.79	23.26
East North Central	14.15	23.75	-40.0%	14.20	23.09	13.95	25.19
Illinois	W	W	W	14.45	23.37	W	W
Indiana	14.27	23.26	-39.0%	14.27	23.26	--	--
Michigan	13.33	22.38	-40.0%	13.33	22.38	--	--
Ohio	13.99	24.64	-43.0%	14.16	23.66	13.68	25.63
Wisconsin	W	W	W	16.70	22.08	W	W
West North Central	13.33	W	W	13.33	22.37	--	W
Iowa	13.39	22.25	-40.0%	13.39	22.25	--	--
Kansas	13.03	22.09	-41.0%	13.03	22.09	--	--
Minnesota	13.99	W	W	13.99	22.57	--	W
Missouri	13.32	22.30	-40.0%	13.32	22.30	--	--
Nebraska	22.03	22.19	-0.7%	22.03	22.19	--	--
North Dakota	13.22	23.15	-43.0%	13.22	23.15	--	--
South Dakota	12.55	22.70	-45.0%	12.55	22.70	--	--
South Atlantic	13.30	22.39	-41.0%	13.10	22.36	14.12	22.47
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	14.65	23.01	W	W
Georgia	17.12	W	W	18.89	23.33	14.11	W
Maryland	11.18	21.87	-49.0%	--	--	11.18	21.87
North Carolina	W	W	W	14.02	22.71	W	W
South Carolina	15.12	23.20	-35.0%	15.12	23.20	--	--
Virginia	12.27	21.91	-44.0%	11.33	21.58	17.37	23.74
West Virginia	W	W	W	14.52	23.71	W	W
East South Central	W	W	W	13.05	22.21	W	W
Alabama	W	W	W	13.43	22.01	W	W
Kentucky	14.03	22.40	-37.0%	14.03	22.40	--	--
Mississippi	10.49	21.90	-52.0%	10.49	21.90	--	--
Tennessee	12.82	22.13	-42.0%	12.82	22.13	--	--
West South Central	13.67	21.87	-37.0%	13.66	21.79	13.68	21.95
Arkansas	W	W	W	14.30	22.91	W	W
Louisiana	W	W	W	12.70	21.46	W	W
Oklahoma	15.19	22.37	-32.0%	15.19	22.37	--	--
Texas	W	W	W	14.23	21.76	W	W
Mountain	W	W	W	15.37	23.89	W	W
Arizona	14.30	23.53	-39.0%	14.30	23.53	--	--
Colorado	15.24	23.43	-35.0%	15.24	23.43	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	17.07	24.19	W	W
New Mexico	16.13	24.68	-35.0%	16.13	24.68	--	--
Utah	14.88	22.50	-34.0%	14.88	22.50	--	--
Wyoming	15.26	23.74	-36.0%	15.26	23.74	--	--
Pacific Contiguous	W	W	W	16.49	22.68	W	W
California	--	--	--	--	--	--	--
Oregon	16.49	22.68	-27.0%	16.49	22.68	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	12.00	21.19	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	12.00	21.19	W	W
U.S. Total	12.65	21.60	-41.0%	12.38	21.56	13.21	21.67

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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, August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.21	1.10	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	0.86	12.0%	0.96	0.86	--	--
Michigan	1.63	W	W	1.63	1.45	--	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.71	1.84	-7.1%	1.71	1.84	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.14	2.16	-0.9%	2.14	2.16	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.14	2.16	-0.9%	2.14	2.16	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.72	1.79	-3.9%	1.72	1.79	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.72	1.79	-3.9%	1.72	1.79	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.85	2.08	-11.0%	1.85	2.08	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.85	2.08	-11.0%	1.85	2.08	--	--
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	1.76	1.85	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) August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 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	1.34	1.22	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.94	0.97	-3.1%	0.94	0.97	--	--
Michigan	W	W	W	1.78	1.45	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.64	1.88	-13.0%	1.64	1.88	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.30	2.43	-5.3%	2.30	2.43	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.30	2.43	-5.3%	2.30	2.43	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.73	1.75	-1.1%	1.73	1.75	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.73	1.75	-1.1%	1.73	1.75	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.90	2.06	-7.8%	1.90	2.06	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.90	2.06	-7.8%	1.90	2.06	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.93	W	W	1.87	1.95	2.43	W

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015	August 2014	Percentage Change	August 2015	August 2014	August 2015	August 2014
New England	2.85	3.46	-18.0%	3.38	3.60	2.84	3.46
Connecticut	2.62	4.58	-43.0%	--	--	2.62	4.58
Maine	W	W	W	--	--	W	W
Massachusetts	3.01	3.10	-2.9%	2.90	3.37	3.01	3.10
New Hampshire	W	W	W	5.15	5.25	W	W
Rhode Island	2.36	W	W	--	--	2.36	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.15	2.85	-25.0%	2.43	3.18	2.12	2.81
New Jersey	2.13	2.70	-21.0%	--	--	2.13	2.70
New York	2.54	3.27	-22.0%	2.43	3.18	2.58	3.30
Pennsylvania	1.73	2.46	-30.0%	--	--	1.73	2.46
East North Central	2.82	3.86	-27.0%	3.00	3.83	2.67	3.88
Illinois	W	4.34	W	3.81	5.37	W	4.20
Indiana	W	W	W	3.02	4.29	W	W
Michigan	3.31	4.54	-27.0%	3.73	4.64	3.19	4.50
Ohio	2.12	3.16	-33.0%	2.24	2.70	2.07	3.39
Wisconsin	W	W	W	3.19	4.75	W	W
West North Central	3.38	4.51	-25.0%	3.43	4.51	3.05	4.54
Iowa	2.95	3.99	-26.0%	2.95	3.99	--	--
Kansas	3.54	4.69	-25.0%	3.54	4.69	--	--
Minnesota	W	W	W	3.51	5.21	W	W
Missouri	W	W	W	3.37	4.47	W	W
Nebraska	4.73	4.55	4.0%	4.73	4.55	--	--
North Dakota	3.03	3.80	-20.0%	3.03	3.80	--	--
South Dakota	4.00	3.84	4.2%	4.00	3.84	--	--
South Atlantic	3.84	4.71	-18.0%	3.98	4.77	2.91	4.33
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.37	4.95	-12.0%	4.40	4.98	3.01	4.12
Georgia	3.26	4.41	-26.0%	3.28	4.41	3.22	4.40
Maryland	3.90	4.11	-5.1%	--	--	3.90	4.11
North Carolina	W	4.85	W	4.08	4.81	W	4.96
South Carolina	W	W	W	3.42	4.38	W	W
Virginia	W	W	W	2.75	3.75	W	W
West Virginia	1.82	W	W	2.52	4.08	1.78	W
East South Central	2.99	4.14	-28.0%	3.02	4.11	2.95	4.18
Alabama	3.04	W	W	3.20	4.16	2.98	W
Kentucky	W	W	W	4.04	6.13	W	W
Mississippi	W	W	W	2.97	4.04	W	W
Tennessee	2.71	3.92	-31.0%	2.71	3.92	--	--
West South Central	2.95	4.07	-28.0%	3.04	4.16	2.88	4.00
Arkansas	W	W	W	3.09	9.12	W	W
Louisiana	3.11	4.09	-24.0%	3.14	4.08	2.88	4.13
Oklahoma	W	W	W	3.08	4.21	W	W
Texas	2.91	4.01	-27.0%	2.96	4.06	2.89	4.00
Mountain	3.23	4.52	-29.0%	3.23	4.58	3.24	4.33
Arizona	3.29	4.63	-29.0%	3.39	4.92	3.11	4.24
Colorado	W	W	W	3.11	4.58	W	W
Idaho	2.92	4.31	-32.0%	2.92	4.31	--	--
Montana	--	--	--	--	--	--	--
Nevada	3.24	W	W	3.24	4.57	--	W
New Mexico	3.15	4.39	-28.0%	3.15	4.39	--	--
Utah	W	W	W	3.02	4.09	W	W
Wyoming	6.63	10.78	-38.0%	6.63	10.78	--	--
Pacific Contiguous	3.27	4.49	-27.0%	3.45	4.57	3.12	4.40
California	3.41	4.66	-27.0%	3.69	4.86	3.22	4.51
Oregon	W	W	W	2.78	3.83	W	W
Washington	W	W	W	3.30	4.41	W	W
Pacific Noncontiguous	5.19	5.26	-1.3%	5.19	5.26	--	--
Alaska	5.19	5.26	-1.3%	5.19	5.26	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.12	4.13	-24.0%	3.45	4.46	2.71	3.76

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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) August 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	August 2015 YTD	August 2014 YTD	Percentage Change	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	4.57	7.31	-37.0%	3.99	5.84	4.58	7.33
Connecticut	4.94	7.58	-35.0%	--	--	4.94	7.58
Maine	W	W	W	--	--	W	W
Massachusetts	4.50	7.24	-38.0%	3.85	5.90	4.51	7.26
New Hampshire	W	W	W	4.70	5.65	W	W
Rhode Island	3.82	7.11	-46.0%	--	--	3.82	7.11
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.36	5.88	-43.0%	4.16	6.02	3.26	5.86
New Jersey	3.41	5.41	-37.0%	--	--	3.41	5.41
New York	3.82	6.04	-37.0%	4.16	6.02	3.69	6.05
Pennsylvania	2.83	5.94	-52.0%	--	--	2.83	5.94
East North Central	3.01	5.70	-47.0%	3.05	5.53	2.98	5.81
Illinois	W	W	W	3.98	6.12	W	W
Indiana	W	W	W	3.13	5.65	W	W
Michigan	3.38	7.48	-55.0%	3.51	7.68	3.34	7.40
Ohio	2.42	4.50	-46.0%	2.34	4.34	2.46	4.58
Wisconsin	3.39	5.73	-41.0%	3.46	5.95	3.29	5.53
West North Central	W	6.03	W	3.58	6.11	W	5.60
Iowa	3.21	7.27	-56.0%	3.21	7.27	--	--
Kansas	3.74	5.73	-35.0%	3.74	5.73	--	--
Minnesota	W	W	W	3.85	6.21	W	W
Missouri	W	W	W	3.40	5.71	W	W
Nebraska	3.84	5.92	-35.0%	3.84	5.92	--	--
North Dakota	2.90	4.49	-35.0%	2.90	4.49	--	--
South Dakota	3.33	5.22	-36.0%	3.33	5.22	--	--
South Atlantic	4.17	5.67	-26.0%	4.28	5.68	3.43	5.61
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.42	5.57	-21.0%	4.44	5.59	2.99	4.52
Georgia	3.37	5.18	-35.0%	3.38	5.20	3.33	5.12
Maryland	4.48	5.57	-20.0%	--	--	4.48	5.57
North Carolina	4.80	W	W	4.83	6.31	4.71	W
South Carolina	W	W	W	3.66	5.07	W	W
Virginia	3.74	6.66	-44.0%	4.22	7.07	2.29	5.93
West Virginia	W	W	W	2.95	6.24	W	W
East South Central	3.10	4.92	-37.0%	3.11	4.91	3.09	4.94
Alabama	3.15	4.91	-36.0%	3.18	4.84	3.14	4.95
Kentucky	W	W	W	3.95	5.97	W	W
Mississippi	W	W	W	3.04	4.81	W	W
Tennessee	2.87	4.79	-40.0%	2.87	4.79	--	--
West South Central	2.98	4.82	-38.0%	3.10	4.98	2.90	4.72
Arkansas	W	W	W	3.44	7.62	W	W
Louisiana	3.10	4.81	-36.0%	3.12	4.86	2.99	4.67
Oklahoma	W	W	W	3.14	5.27	W	W
Texas	2.93	4.73	-38.0%	3.03	4.82	2.90	4.69
Mountain	W	5.30	W	3.41	5.38	W	5.02
Arizona	3.48	5.37	-35.0%	3.70	5.81	3.01	4.72
Colorado	3.80	5.47	-31.0%	3.66	5.56	4.24	5.33
Idaho	2.95	W	W	2.95	5.47	--	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	3.32	5.35	W	W
New Mexico	3.26	5.01	-35.0%	3.26	5.01	--	--
Utah	W	W	W	3.05	4.85	W	W
Wyoming	5.23	7.25	-28.0%	5.23	7.25	--	--
Pacific Contiguous	3.31	5.26	-37.0%	3.57	5.38	3.08	5.14
California	3.45	5.34	-35.0%	3.78	5.58	3.19	5.16
Oregon	W	W	W	2.89	4.53	W	W
Washington	W	W	W	3.36	5.19	W	W
Pacific Noncontiguous	5.35	5.03	6.4%	5.35	5.03	--	--
Alaska	5.35	5.03	6.4%	5.35	5.03	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.47	5.42	-36.0%	3.70	5.42	3.20	5.42

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, August 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	117	1.50	7.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.73	8.1	0	--	--	0	--	--
Massachusetts	68	0.60	7.8	0	--	--	0	--	--
New Hampshire	44	2.71	7.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,223	3.02	11.1	54	0.24	4.8	0	--	--
New Jersey	71	1.40	8.1	0	--	--	0	--	--
New York	38	1.88	7.1	54	0.24	4.8	0	--	--
Pennsylvania	2,114	3.10	11.3	0	--	--	0	--	--
East North Central	6,835	3.13	9.9	8,840	0.25	4.9	0	--	--
Illinois	801	3.53	19.4	4,084	0.21	4.7	0	--	--
Indiana	2,743	2.93	8.9	242	0.28	5.0	0	--	--
Michigan	236	1.40	7.8	2,235	0.29	5.0	0	--	--
Ohio	2,924	3.40	9.0	15	0.24	6.1	0	--	--
Wisconsin	132	2.34	8.1	2,264	0.26	5.1	0	--	--
West North Central	147	3.46	8.7	10,004	0.28	5.1	1,932	0.82	9.8
Iowa	38	3.50	8.0	1,917	0.25	4.9	0	--	--
Kansas	22	3.51	13.6	1,670	0.32	5.0	0	--	--
Minnesota	0	--	--	1,063	0.42	6.7	0	--	--
Missouri	87	3.43	7.7	3,726	0.23	4.8	0	--	--
Nebraska	0	--	--	1,426	0.29	5.4	0	--	--
North Dakota	0	--	--	63	0.37	4.7	1,932	0.82	9.8
South Dakota	0	--	--	139	0.35	5.4	0	--	--
South Atlantic	9,819	2.16	10.3	959	0.33	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	2,008	2.25	8.5	0	--	--	0	--	--
Georgia	937	2.27	9.3	943	0.33	4.9	0	--	--
Maryland	741	2.36	9.3	16	0.21	4.8	0	--	--
North Carolina	1,586	1.71	10.1	0	--	--	0	--	--
South Carolina	1,222	1.65	9.7	0	--	--	0	--	--
Virginia	690	1.23	16.0	0	--	--	0	--	--
West Virginia	2,636	2.74	11.2	0	--	--	0	--	--
East South Central	4,686	2.47	9.1	2,040	0.30	5.3	326	0.47	13.7
Alabama	926	1.49	9.4	911	0.29	5.3	0	--	--
Kentucky	2,798	3.00	9.4	767	0.34	5.3	0	--	--
Mississippi	169	0.80	6.8	69	0.26	5.1	326	0.47	13.7
Tennessee	794	2.08	8.4	293	0.27	5.0	0	--	--
West South Central	100	2.27	17.3	8,772	0.28	5.1	4,006	0.96	16.9
Arkansas	13	0.76	9.2	1,632	0.26	5.1	0	--	--
Louisiana	40	3.27	9.3	690	0.27	5.0	387	0.66	15.5
Oklahoma	47	1.80	27.4	1,388	0.25	4.9	0	--	--
Texas	0	--	--	5,063	0.29	5.3	3,619	1.00	17.1
Mountain	2,731	0.60	14.0	6,510	0.53	8.8	0	--	--
Arizona	645	0.56	10.7	1,408	0.72	9.7	0	--	--
Colorado	263	0.54	11.3	1,370	0.32	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	828	0.64	9.5	0	--	--
Nevada	0	--	--	131	0.37	6.8	0	--	--
New Mexico	530	0.78	25.0	560	0.77	21.1	0	--	--
Utah	1,294	0.57	12.2	0	--	--	0	--	--
Wyoming	0	--	--	2,213	0.43	7.1	0	--	--
Pacific Contiguous	54	0.58	10.2	496	0.35	7.4	0	--	--
California	54	0.58	10.2	0	--	--	0	--	--
Oregon	0	--	--	166	0.21	4.2	0	--	--
Washington	0	--	--	331	0.42	9.0	0	--	--
Pacific Noncontiguous	59	1.37	5.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	59	1.37	5.2	0	--	--	0	--	--
U.S. Total	26,772	2.39	10.4	37,675	0.32	5.8	6,264	0.90	14.6

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, August 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	44	2.71	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	44	2.71	7.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	4,157	2.97	8.8	5,651	0.27	5.0	0	--	--
Illinois	193	3.13	11.1	928	0.22	4.7	0	--	--
Indiana	2,483	2.89	8.8	242	0.28	5.0	0	--	--
Michigan	180	1.48	8.0	2,235	0.29	5.0	0	--	--
Ohio	1,206	3.38	8.7	0	--	--	0	--	--
Wisconsin	94	2.51	8.0	2,246	0.26	5.1	0	--	--
West North Central	109	3.44	8.9	9,912	0.28	5.1	1,932	0.82	9.8
Iowa	0	--	--	1,825	0.25	4.9	0	--	--
Kansas	22	3.51	13.6	1,670	0.32	5.0	0	--	--
Minnesota	0	--	--	1,063	0.42	6.7	0	--	--
Missouri	87	3.43	7.7	3,726	0.23	4.8	0	--	--
Nebraska	0	--	--	1,426	0.29	5.4	0	--	--
North Dakota	0	--	--	63	0.37	4.7	1,932	0.82	9.8
South Dakota	0	--	--	139	0.35	5.4	0	--	--
South Atlantic	8,460	2.10	10.2	943	0.33	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,900	2.33	8.3	0	--	--	0	--	--
Georgia	925	2.28	9.3	943	0.33	4.9	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,586	1.71	10.1	0	--	--	0	--	--
South Carolina	1,201	1.66	9.7	0	--	--	0	--	--
Virginia	617	1.22	16.9	0	--	--	0	--	--
West Virginia	2,232	2.59	10.7	0	--	--	0	--	--
East South Central	4,559	2.52	9.2	2,040	0.30	5.3	0	--	--
Alabama	926	1.49	9.4	911	0.29	5.3	0	--	--
Kentucky	2,798	3.00	9.4	767	0.34	5.3	0	--	--
Mississippi	169	0.80	6.8	69	0.26	5.1	0	--	--
Tennessee	667	2.34	8.6	293	0.27	5.0	0	--	--
West South Central	40	3.27	9.3	5,660	0.26	5.1	1,040	1.06	18.6
Arkansas	0	--	--	1,451	0.26	5.1	0	--	--
Louisiana	40	3.27	9.3	312	0.25	4.9	387	0.66	15.5
Oklahoma	0	--	--	1,331	0.26	4.9	0	--	--
Texas	0	--	--	2,567	0.27	5.2	653	1.35	20.7
Mountain	2,722	0.60	14.0	5,622	0.51	8.8	0	--	--
Arizona	645	0.56	10.7	1,408	0.72	9.7	0	--	--
Colorado	263	0.54	11.3	1,370	0.32	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	71	0.46	8.4	0	--	--
New Mexico	530	0.78	25.0	560	0.77	21.1	0	--	--
Utah	1,284	0.57	12.3	0	--	--	0	--	--
Wyoming	0	--	--	2,213	0.43	7.1	0	--	--
Pacific Contiguous	0	--	--	166	0.21	4.2	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	166	0.21	4.2	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	20,091	2.20	10.1	29,993	0.32	5.8	2,972	0.90	12.8

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, August 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	72	0.61	7.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	4	0.73	8.1	0	--	--	0	--	--
Massachusetts	68	0.60	7.8	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,197	3.04	11.1	54	0.24	4.8	0	--	--
New Jersey	71	1.40	8.1	0	--	--	0	--	--
New York	21	2.09	6.8	54	0.24	4.8	0	--	--
Pennsylvania	2,104	3.10	11.3	0	--	--	0	--	--
East North Central	2,511	3.42	11.9	3,122	0.21	4.7	0	--	--
Illinois	497	3.72	26.5	3,107	0.21	4.7	0	--	--
Indiana	260	3.37	10.2	0	--	--	0	--	--
Michigan	48	0.88	6.7	0	--	--	0	--	--
Ohio	1,706	3.43	9.3	15	0.24	6.1	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,244	2.60	10.5	16	0.21	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	108	0.88	11.0	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	718	2.37	8.9	16	0.21	4.8	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	46	0.84	10.0	0	--	--	0	--	--
West Virginia	372	3.83	13.6	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	326	0.47	13.7
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	326	0.47	13.7
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	47	1.80	27.4	3,112	0.31	5.3	2,966	0.93	16.4
Arkansas	0	--	--	181	0.24	5.1	0	--	--
Louisiana	0	--	--	378	0.29	5.1	0	--	--
Oklahoma	47	1.80	27.4	57	0.23	4.9	0	--	--
Texas	0	--	--	2,496	0.32	5.3	2,966	0.93	16.4
Mountain	0	--	--	888	0.61	9.2	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	828	0.64	9.5	0	--	--
Nevada	0	--	--	60	0.26	4.7	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	331	0.42	9.0	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	331	0.42	9.0	0	--	--
Pacific Noncontiguous	59	1.37	5.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	59	1.37	5.2	0	--	--	0	--	--
U.S. Total	6,129	3.05	11.3	7,523	0.31	5.6	3,292	0.89	16.1

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.

NM = Not meaningful due to large relative standard error or excessive percentage change.

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:
Commercial Sector by State, August 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	8	2.46	9.0	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	8	2.46	9.0	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	0.31	3.9	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	0.31	3.9	0	--	--
Missouri	0	--	--	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	8	2.46	9.0	0	0.31	3.9	0	--	--

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
 NM = Not meaningful due to large relative standard error or excessive percentage change.
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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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:
Industrial Sector by State, August 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	26	1.71	9.1	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	16	1.59	7.5	0	--	--	0	--	--
Pennsylvania	10	1.91	12.0	0	--	--	0	--	--
East North Central	160	2.98	8.2	67	0.37	5.5	0	--	--
Illinois	110	3.50	8.0	49	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	0.86	9.8	0	--	--	0	--	--
Ohio	13	2.09	9.0	0	--	--	0	--	--
Wisconsin	37	1.87	8.6	18	0.28	5.4	0	--	--
West North Central	38	3.50	8.0	92	0.23	4.5	0	--	--
Iowa	38	3.50	8.0	92	0.23	4.5	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	115	1.40	12.2	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	12	1.34	9.2	0	--	--	0	--	--
Maryland	23	1.83	23.2	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	21	0.79	8.5	0	--	--	0	--	--
Virginia	27	1.97	8.0	0	--	--	0	--	--
West Virginia	33	1.07	12.7	0	--	--	0	--	--
East South Central	127	0.85	7.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	127	0.85	7.4	0	--	--	0	--	--
West South Central	13	0.76	9.2	0	--	--	0	--	--
Arkansas	13	0.76	9.2	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	10	0.43	8.9	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	10	0.43	8.9	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	54	0.58	10.2	0	--	--	0	--	--
California	54	0.58	10.2	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	544	1.73	9.1	159	0.29	4.9	0	--	--

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 5.1. Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2005 - August 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	1,402,911	1,357,505	955,488	7,776	3,723,681
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	146,177	114,169	77,028	735	338,108
February	128,190	104,570	72,498	700	305,959
March	113,968	107,173	77,474	649	299,264
April	92,186	102,833	77,227	641	272,887
May	95,516	110,375	81,756	649	288,296
June	117,630	119,153	81,784	608	319,174
July	136,278	126,282	84,208	643	347,411
August	135,383	126,413	85,600	640	348,036
Sept	120,303	120,489	81,714	626	323,133
October	97,701	113,475	81,306	623	293,106
November	99,166	104,391	77,897	637	282,092
December	120,411	108,183	76,995	626	306,215
Year 2015					
January	136,798	111,284	76,946	653	325,682
February	123,940	105,504	74,110	675	304,229
March	116,698	107,999	76,733	678	302,108
April	89,825	104,385	77,326	623	272,159
May	94,922	109,819	80,356	611	285,707
June	119,949	119,898	82,641	606	323,094
July	145,414	129,387	84,087	673	359,562
August	144,086	128,229	85,738	623	358,676
Year to Date					
2013	947,630	894,618	661,648	5,155	2,509,051
2014	965,329	910,967	637,576	5,264	2,519,135
2015	971,632	916,506	637,937	5,141	2,531,215
Rolling 12 Months Ending in August					
2014	1,412,511	1,353,428	961,279	7,734	3,734,952
2015	1,409,214	1,363,044	955,850	7,653	3,735,761

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

Values for 2013 and prior years are final. Values for 2015 and 2014 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.

Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

**Table 5.2. Revenue from Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2005 - August 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	175,404	145,889	67,019	798	389,111
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	17,032	11,808	5,347	76	34,263
February	15,279	11,160	5,129	71	31,639
March	13,952	11,423	5,391	67	30,833
April	11,342	10,778	5,206	64	27,390
May	12,263	11,642	5,511	64	29,480
June	15,266	13,079	5,944	63	34,353
July	17,790	14,112	6,304	68	38,274
August	17,625	13,991	6,316	66	37,999
Sept	15,566	13,368	5,898	68	34,901
October	12,297	12,330	5,650	63	30,341
November	12,356	11,009	5,199	64	28,628
December	14,636	11,188	5,122	64	31,010
Year 2015					
January	16,555	11,461	5,091	70	33,177
February	15,231	11,199	5,101	73	31,605
March	14,409	11,425	5,206	70	31,110
April	11,351	10,777	5,068	61	27,257
May	12,291	11,466	5,344	59	29,160
June	15,510	13,027	5,767	62	34,366
July	18,881	14,312	6,137	70	39,400
August	18,633	13,975	6,273	63	38,944
Year to Date					
2013	114,750	92,023	45,744	545	253,062
2014	120,549	97,994	45,149	539	264,231
2015	122,860	97,642	43,989	529	265,019
Rolling 12 Months Ending in August					
2014	174,930	143,160	67,339	798	386,227
2015	177,715	145,537	65,859	789	389,899

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

Values for 2013 and prior years are final. Values for 2015 and 2014 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.

Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

**Table 5.3. Average Price of Electricity to Ultimate Customers:
Total by End-Use Sector, 2005 - August 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	12.50	10.75	7.01	10.27	10.45
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	10.34	6.94	10.29	10.13
February	11.92	10.67	7.07	10.18	10.34
March	12.24	10.66	6.96	10.28	10.30
April	12.30	10.48	6.74	10.02	10.04
May	12.84	10.55	6.74	9.83	10.23
June	12.98	10.98	7.27	10.45	10.76
July	13.05	11.17	7.49	10.51	11.02
August	13.02	11.07	7.38	10.32	10.92
Sept	12.94	11.09	7.22	10.85	10.80
October	12.59	10.87	6.95	10.17	10.35
November	12.46	10.55	6.67	10.10	10.15
December	12.15	10.34	6.65	10.25	10.13
Year 2015					
January	12.10	10.30	6.62	10.67	10.19
February	12.29	10.62	6.88	10.87	10.39
March	12.35	10.58	6.79	10.26	10.30
April	12.64	10.32	6.55	9.87	10.02
May	12.95	10.44	6.65	9.74	10.21
June	12.93	10.87	6.98	10.20	10.64
July	12.98	11.06	7.30	10.47	10.96
August	12.93	10.90	7.32	10.17	10.86
Year to Date					
2013	12.11	10.29	6.91	10.58	10.09
2014	12.49	10.76	7.08	10.23	10.49
2015	12.64	10.65	6.90	10.29	10.47
Rolling 12 Months Ending in August					
2014	12.38	10.58	7.01	10.32	10.34
2015	12.61	10.68	6.89	10.31	10.44

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, August 2015 and 2014 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	4,671	4,125	4,980	4,632	1,644	1,680	43	43	11,338	10,480
Connecticut	1,277	1,126	1,228	1,174	313	330	12	12	2,829	2,643
Maine	407	386	379	358	292	304	0	0	1,078	1,048
Massachusetts	2,037	1,769	2,408	2,282	653	670	28	28	5,126	4,750
New Hampshire	426	400	423	400	184	178	0	0	1,033	978
Rhode Island	342	273	356	239	79	78	2	2	780	592
Vermont	183	169	187	179	123	120	0	0	492	468
Middle Atlantic	13,691	11,951	14,890	14,085	6,149	6,415	311	320	35,041	32,770
New Jersey	3,420	2,883	3,638	3,450	631	631	25	25	7,713	6,989
New York	5,319	4,665	7,261	6,908	1,538	1,511	223	229	14,341	13,314
Pennsylvania	4,952	4,402	3,991	3,727	3,981	4,272	63	66	12,987	12,468
East North Central	17,836	17,181	16,848	16,720	16,427	17,184	47	56	51,158	51,140
Illinois	4,667	4,684	4,685	4,661	3,622	3,770	42	52	13,015	13,166
Indiana	3,091	2,892	2,273	2,215	3,871	4,086	2	2	9,237	9,195
Michigan	3,223	3,054	3,488	3,405	2,617	2,865	0	0	9,329	9,324
Ohio	4,899	4,577	4,289	4,296	4,130	4,312	3	3	13,320	13,187
Wisconsin	1,956	1,973	2,113	2,143	2,187	2,150	0	0	6,257	6,267
West North Central	9,672	9,833	9,403	9,612	8,075	7,895	3	4	27,154	27,345
Iowa	1,206	1,288	998	1,121	2,023	1,760	0	0	4,227	4,170
Kansas	1,478	1,545	1,553	1,532	998	992	0	0	4,029	4,069
Minnesota	1,893	1,979	2,126	2,222	1,768	1,900	2	2	5,788	6,103
Missouri	3,473	3,447	2,922	2,956	1,380	1,441	1	2	7,776	7,846
Nebraska	888	885	866	889	1,058	1,048	0	0	2,813	2,821
North Dakota	349	322	497	463	599	508	0	0	1,445	1,294
South Dakota	387	366	441	429	249	246	0	0	1,076	1,042
South Atlantic	36,066	34,276	29,436	29,059	12,767	12,930	117	116	78,386	76,381
Delaware	466	420	393	390	209	177	0	0	1,068	987
District of Columbia	236	192	789	756	17	17	31	29	1,073	994
Florida	12,571	12,678	9,045	9,047	1,494	1,544	8	9	23,118	23,278
Georgia	6,225	5,802	4,593	4,505	2,863	2,863	15	14	13,696	13,184
Maryland	2,586	2,347	2,775	2,673	328	343	47	45	5,736	5,407
North Carolina	5,610	5,189	4,543	4,496	2,510	2,622	1	1	12,663	12,308
South Carolina	3,214	2,959	2,123	2,130	2,693	2,690	0	0	8,030	7,779
Virginia	4,207	3,840	4,469	4,374	1,569	1,538	15	18	10,260	9,770
West Virginia	951	849	706	689	1,085	1,136	0	0	2,742	2,675
East South Central	12,490	11,389	8,760	8,402	9,059	9,212	0	0	30,309	29,004
Alabama	3,420	3,308	2,227	2,223	3,088	3,064	0	0	8,735	8,595
Kentucky	2,509	2,419	1,784	1,740	2,565	2,643	0	0	6,859	6,803
Mississippi	2,194	1,874	1,434	1,317	1,440	1,497	0	0	5,068	4,687
Tennessee	4,367	3,788	3,315	3,122	1,966	2,008	0	0	9,647	8,918
West South Central	25,571	23,237	19,608	18,980	14,899	14,728	17	17	60,096	56,961
Arkansas	2,072	1,745	1,249	1,168	1,524	1,576	0	0	4,846	4,489
Louisiana	3,748	3,272	2,543	2,371	2,932	2,849	1	1	9,223	8,494
Oklahoma	2,613	2,627	1,936	2,078	1,478	1,479	0	0	6,027	6,184
Texas	17,138	15,592	13,880	13,363	8,965	8,823	16	16	40,000	37,794
Mountain	10,895	9,889	9,298	8,876	7,962	7,619	11	12	28,167	26,396
Arizona	4,422	3,898	3,064	3,031	1,396	1,238	1	0	8,883	8,167
Colorado	1,929	1,743	1,910	1,803	1,415	1,411	5	5	5,259	4,962
Idaho	687	647	566	543	998	958	0	0	2,251	2,148
Montana	373	379	438	424	387	381	0	0	1,199	1,184
Nevada	1,595	1,511	1,013	854	1,358	1,209	1	1	3,967	3,574
New Mexico	704	676	868	856	679	651	0	0	2,251	2,183
Utah	986	846	1,101	1,011	860	908	5	6	2,952	2,771
Wyoming	200	190	337	354	868	863	0	0	1,404	1,406
Pacific Contiguous	12,794	13,132	14,493	15,533	8,280	7,492	74	73	35,640	36,231
California	8,889	9,258	10,480	11,612	4,901	3,930	71	71	24,341	24,870
Oregon	1,464	1,466	1,473	1,403	1,170	1,140	2	2	4,109	4,011
Washington	2,441	2,408	2,540	2,518	2,209	2,423	0	0	7,190	7,350
Pacific Noncontiguous	398	369	512	514	476	445	0	0	1,387	1,328
Alaska	144	141	233	228	114	115	0	0	491	484
Hawaii	255	228	279	286	362	331	0	0	896	844
U.S. Total	144,086	135,383	128,229	126,413	85,738	85,600	623	640	358,676	348,036

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	32,838	32,522	35,873	35,433	12,263	12,207	377	403	81,351	80,564
Connecticut	9,035	8,888	8,820	8,720	2,245	2,268	115	132	20,215	20,008
Maine	3,142	3,163	2,671	2,669	2,309	2,196	0	0	8,122	8,029
Massachusetts	13,934	13,810	17,459	17,283	4,921	4,894	244	252	36,558	36,238
New Hampshire	3,125	3,120	3,048	3,017	1,304	1,308	0	0	7,477	7,446
Rhode Island	2,165	2,102	2,513	2,382	544	618	19	19	5,241	5,121
Vermont	1,437	1,438	1,361	1,361	939	924	0	0	3,738	3,723
Middle Atlantic	94,176	91,314	107,439	106,145	48,254	48,756	2,630	2,684	252,499	248,900
New Jersey	20,797	19,546	26,250	25,879	4,836	4,945	232	212	52,115	50,582
New York	34,791	33,923	51,490	50,943	11,646	11,569	1,889	1,930	99,815	98,364
Pennsylvania	38,588	37,846	29,700	29,323	31,772	32,243	509	543	100,568	99,954
East North Central	127,901	129,634	124,509	123,699	127,416	129,507	404	455	380,231	383,295
Illinois	31,214	32,033	34,136	34,237	28,380	28,962	359	408	94,088	95,639
Indiana	22,976	23,213	16,462	16,343	30,421	30,993	14	14	69,873	70,563
Michigan	22,842	22,958	26,064	25,399	20,121	21,195	3	3	69,030	69,554
Ohio	36,515	36,521	32,012	31,838	32,591	32,524	28	30	101,146	100,913
Wisconsin	14,354	14,910	15,835	15,882	15,905	15,833	0	0	46,093	46,625
West North Central	70,501	73,358	68,895	69,440	59,170	58,425	31	31	198,597	201,254
Iowa	9,402	9,902	8,030	8,410	14,157	13,440	0	0	31,589	31,751
Kansas	9,411	9,636	10,554	10,545	7,503	7,430	0	0	27,469	27,611
Minnesota	14,608	15,422	15,746	15,951	13,757	14,073	17	15	44,128	45,461
Missouri	24,156	24,778	20,949	20,977	10,588	10,831	14	16	55,707	56,602
Nebraska	6,555	6,867	6,348	6,416	6,940	7,091	0	0	19,844	20,373
North Dakota	3,259	3,487	4,045	3,932	4,447	3,793	0	0	11,752	11,212
South Dakota	3,109	3,267	3,222	3,210	1,777	1,767	0	0	8,108	8,244
South Atlantic	251,197	244,654	209,698	206,779	96,077	94,625	892	910	557,863	546,967
Delaware	3,371	3,288	2,770	2,871	1,680	1,496	0	0	7,821	7,656
District of Columbia	1,683	1,466	5,664	5,800	262	155	215	221	7,764	7,642
Florida	81,786	78,953	62,909	61,944	11,267	11,352	64	65	156,026	152,314
Georgia	40,413	39,476	32,004	31,452	21,515	21,302	115	109	94,047	92,339
Maryland	19,627	19,195	20,517	20,373	2,521	2,554	356	372	43,022	42,494
North Carolina	41,329	40,445	32,534	32,048	18,374	18,114	6	6	92,243	90,613
South Carolina	21,668	21,383	14,901	14,838	19,810	19,558	0	0	56,379	55,779
Virginia	33,074	32,149	33,046	32,119	11,870	11,702	134	134	78,125	76,105
West Virginia	8,245	8,298	5,352	5,334	8,838	8,392	2	2	22,437	22,026
East South Central	85,213	84,331	60,411	59,841	69,207	69,566	0	1	214,832	213,739
Alabama	22,948	22,694	15,434	15,321	23,150	23,278	0	0	61,532	61,293
Kentucky	18,991	19,048	12,801	12,817	20,287	20,344	0	0	52,080	52,209
Mississippi	13,133	12,964	9,281	9,119	10,887	11,255	0	0	33,301	33,338
Tennessee	30,140	29,626	22,895	22,584	14,883	14,688	0	1	67,918	66,899
West South Central	150,133	146,739	131,628	129,199	110,076	110,153	125	123	391,962	386,214
Arkansas	12,991	12,708	8,142	7,951	10,675	11,139	0	NM	31,808	31,799
Louisiana	21,885	21,410	16,697	16,307	21,350	21,055	8	8	59,939	58,780
Oklahoma	16,183	16,294	13,505	13,434	11,344	11,154	0	0	41,032	40,882
Texas	99,073	96,327	93,284	91,507	66,708	66,805	117	115	259,183	254,754
Mountain	64,553	64,376	62,938	63,063	56,719	55,990	89	90	184,298	183,519
Arizona	22,677	22,302	19,738	20,265	9,647	9,965	4	0	52,067	51,532
Colorado	12,383	12,246	13,351	13,272	10,223	10,144	42	42	35,999	35,704
Idaho	5,349	5,488	4,143	4,090	6,344	6,526	0	0	15,835	16,105
Montana	3,237	3,367	3,315	3,301	2,889	2,748	0	0	9,441	9,416
Nevada	8,505	8,504	6,339	6,018	9,384	9,080	6	6	24,234	23,607
New Mexico	4,519	4,558	5,946	6,046	4,916	4,873	0	0	15,381	15,477
Utah	6,084	6,044	7,464	7,371	6,490	6,757	37	42	20,075	20,214
Wyoming	1,798	1,867	2,641	2,700	6,826	6,896	0	0	11,266	11,463
Pacific Contiguous	92,108	95,381	111,186	113,423	55,461	55,023	592	567	259,348	264,394
California	57,053	58,447	80,569	82,796	29,875	28,451	573	548	168,069	170,241
Oregon	12,217	12,632	10,769	10,762	8,266	8,049	16	16	31,268	31,460
Washington	22,838	24,301	19,848	19,865	17,321	18,523	3	4	60,010	62,693
Pacific Noncontiguous	3,012	3,020	3,929	3,945	3,294	3,324	0	0	10,235	10,289
Alaska	1,330	1,347	1,854	1,846	879	901	0	0	4,063	4,094
Hawaii	1,682	1,673	2,076	2,099	2,415	2,423	0	0	6,173	6,195
U.S. Total	971,632	965,329	916,506	910,967	637,937	637,576	5,141	5,264	2,531,215	2,519,135

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, August 2015 and 2014 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	843	745	740	677	197	191	4	4	1,785	1,617
Connecticut	245	222	185	180	39	41	1	1	471	445
Maine	63	59	48	NM	26	24	0	0	136	125
Massachusetts	366	314	370	336	87	84	2	NM	826	737
New Hampshire	73	69	59	54	22	20	0	0	155	143
Rhode Island	65	50	51	38	10	10	0	0	126	98
Vermont	31	30	27	26	12	12	0	0	71	69
Middle Atlantic	2,254	1,983	2,031	1,948	453	463	37	40	4,776	4,434
New Jersey	569	461	500	466	71	70	2	2	1,143	1,000
New York	981	909	1,156	1,129	96	96	30	33	2,262	2,167
Pennsylvania	704	612	376	353	286	297	5	5	1,371	1,268
East North Central	2,349	2,248	1,691	1,679	1,166	1,213	3	3	5,209	5,143
Illinois	579	560	424	413	241	240	3	2	1,246	1,216
Indiana	345	334	214	219	256	286	0	0	816	840
Michigan	497	455	381	386	195	230	0	0	1,074	1,071
Ohio	641	618	431	423	298	288	0	0	1,370	1,329
Wisconsin	286	281	241	238	176	169	0	0	703	688
West North Central	1,220	1,227	955	967	602	593	0	0	2,777	2,788
Iowa	168	173	109	117	142	126	0	0	419	416
Kansas	184	197	157	162	74	79	0	0	415	437
Minnesota	246	254	214	224	132	140	0	0	592	618
Missouri	430	420	306	302	102	106	0	0	838	828
Nebraska	108	107	82	83	82	82	0	0	273	271
North Dakota	39	35	47	42	50	42	0	0	136	119
South Dakota	45	42	41	38	19	18	0	0	105	98
South Atlantic	4,343	4,156	2,797	2,810	875	911	9	10	8,024	7,888
Delaware	63	59	39	36	17	15	0	0	119	111
District of Columbia	31	24	91	89	2	1	3	NM	125	118
Florida	1,479	1,519	863	886	128	126	1	1	2,471	2,532
Georgia	760	727	449	469	183	212	1	1	1,393	1,409
Maryland	360	322	307	292	30	28	4	4	701	646
North Carolina	652	594	404	401	169	177	0	0	1,226	1,172
South Carolina	405	369	219	219	169	174	0	0	793	763
Virginia	492	461	363	364	109	111	1	1	966	937
West Virginia	101	81	61	54	68	65	0	0	231	200
East South Central	1,360	1,248	900	876	593	627	0	0	2,853	2,752
Alabama	412	390	245	244	204	212	0	0	862	845
Kentucky	258	244	168	161	149	155	0	0	576	560
Mississippi	240	218	146	144	99	109	0	0	486	471
Tennessee	449	397	340	328	140	151	0	0	930	876
West South Central	2,812	2,632	1,563	1,568	862	932	1	1	5,237	5,133
Arkansas	215	175	107	97	104	102	0	0	427	374
Louisiana	360	320	220	212	164	179	0	0	743	711
Oklahoma	264	266	159	174	83	91	0	0	506	531
Texas	1,973	1,872	1,077	1,085	511	559	1	1	3,561	3,518
Mountain	1,339	1,220	947	896	570	560	1	1	2,857	2,677
Arizona	559	485	342	318	95	92	0	0	996	895
Colorado	240	224	194	195	104	109	1	1	539	528
Idaho	71	68	46	44	72	67	0	0	189	179
Montana	42	41	44	41	21	22	0	0	107	104
Nevada	197	191	93	78	118	110	0	0	408	378
New Mexico	94	92	97	97	44	44	0	0	234	233
Utah	113	98	100	92	57	58	0	1	271	249
Wyoming	23	21	31	31	58	58	0	0	112	110
Pacific Contiguous	2,006	2,051	2,232	2,429	851	706	7	7	5,096	5,193
California	1,621	1,678	1,900	2,110	680	527	6	7	4,208	4,321
Oregon	156	158	126	122	72	71	0	0	355	351
Washington	228	215	205	197	100	108	0	0	533	520
Pacific Noncontiguous	106	115	119	139	104	120	0	0	329	374
Alaska	30	29	43	40	17	19	0	0	90	88
Hawaii	76	86	76	99	87	100	0	0	239	285
U.S. Total	18,633	17,625	13,975	13,991	6,273	6,316	63	66	38,944	37,999

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	6,491	5,758	5,622	5,263	1,500	1,468	43	35	13,656	12,524
Connecticut	1,932	1,733	1,433	1,364	294	297	12	15	3,672	3,409
Maine	497	478	357	342	211	208	0	0	1,065	1,028
Massachusetts	2,818	2,380	2,765	2,563	657	628	27	NM	6,267	5,588
New Hampshire	590	540	463	439	166	159	0	0	1,219	1,139
Rhode Island	411	374	407	355	77	80	3	3	898	812
Vermont	244	254	197	199	95	95	0	0	536	548
Middle Atlantic	15,132	15,068	14,239	14,697	3,612	3,830	313	330	33,296	33,926
New Jersey	3,339	3,099	3,457	3,510	540	599	24	23	7,361	7,231
New York	6,540	6,904	7,925	8,303	754	768	249	265	15,468	16,240
Pennsylvania	5,253	5,064	2,857	2,885	2,317	2,463	40	43	10,467	10,454
East North Central	16,362	16,062	12,334	12,218	8,803	9,006	29	26	37,528	37,312
Illinois	3,862	3,578	3,038	2,991	1,807	1,845	24	22	8,732	8,436
Indiana	2,547	2,587	1,579	1,597	2,038	2,123	1	1	6,166	6,308
Michigan	3,285	3,336	2,777	2,791	1,459	1,655	0	0	7,521	7,783
Ohio	4,604	4,493	3,188	3,105	2,256	2,166	2	2	10,050	9,767
Wisconsin	2,064	2,067	1,752	1,734	1,243	1,217	0	0	5,059	5,018
West North Central	8,109	8,233	6,441	6,440	4,098	3,988	3	3	18,660	18,664
Iowa	1,134	1,140	746	752	863	795	0	0	2,743	2,687
Kansas	1,155	1,169	1,060	1,061	556	557	0	0	2,771	2,787
Minnesota	1,796	1,876	1,509	1,552	981	1,005	2	2	4,288	4,434
Missouri	2,660	2,668	1,913	1,895	669	686	1	1	5,243	5,250
Nebraska	708	716	570	563	528	528	0	0	1,806	1,807
North Dakota	318	323	356	337	370	292	0	0	1,045	952
South Dakota	338	341	287	280	130	125	0	0	755	746
South Atlantic	29,591	28,743	20,081	20,145	6,357	6,461	75	79	56,105	55,428
Delaware	457	434	290	308	140	134	0	0	888	875
District of Columbia	222	188	689	717	18	13	20	22	948	940
Florida	9,645	9,410	6,108	6,145	944	918	6	6	16,702	16,479
Georgia	4,708	4,641	3,177	3,276	1,278	1,427	6	7	9,170	9,352
Maryland	2,685	2,621	2,282	2,320	223	238	31	32	5,221	5,211
North Carolina	4,634	4,503	2,829	2,834	1,184	1,183	0	0	8,648	8,521
South Carolina	2,682	2,621	1,512	1,514	1,196	1,241	0	0	5,390	5,376
Virginia	3,747	3,550	2,741	2,606	835	809	11	11	7,334	6,976
West Virginia	812	773	453	426	539	498	0	0	1,803	1,698
East South Central	9,147	9,085	6,207	6,236	4,191	4,432	0	0	19,546	19,753
Alabama	2,700	2,621	1,697	1,667	1,436	1,476	0	0	5,833	5,764
Kentucky	1,887	1,914	1,184	1,201	1,092	1,187	0	0	4,163	4,302
Mississippi	1,489	1,467	998	992	728	768	0	0	3,216	3,227
Tennessee	3,071	3,083	2,328	2,376	936	1,001	0	0	6,334	6,459
West South Central	16,490	16,179	10,478	10,682	6,184	6,698	7	7	33,159	33,566
Arkansas	1,267	1,193	671	637	656	664	0	NM	2,594	2,495
Louisiana	2,011	2,041	1,439	1,503	1,152	1,306	1	1	4,603	4,851
Oklahoma	1,605	1,613	1,024	1,080	605	635	0	0	3,233	3,328
Texas	11,608	11,332	7,344	7,461	3,771	4,093	6	6	22,729	22,892
Mountain	7,720	7,581	6,194	6,127	3,774	3,775	9	9	17,697	17,492
Arizona	2,795	2,696	2,088	2,046	622	611	0	0	5,505	5,353
Colorado	1,494	1,508	1,313	1,366	727	750	4	5	3,538	3,628
Idaho	539	534	329	319	430	425	0	0	1,297	1,278
Montana	355	344	341	314	154	151	0	0	850	809
Nevada	1,093	1,088	597	575	658	651	1	1	2,348	2,314
New Mexico	576	565	630	630	314	321	0	0	1,520	1,517
Utah	673	652	656	639	407	411	4	4	1,739	1,706
Wyoming	196	194	240	239	462	455	0	0	899	888
Pacific Contiguous	13,032	12,944	15,141	15,138	4,763	4,605	51	49	32,988	32,735
California	9,713	9,497	12,591	12,615	3,496	3,320	49	48	25,849	25,480
Oregon	1,301	1,317	953	948	502	490	1	1	2,758	2,757
Washington	2,018	2,129	1,598	1,574	765	794	0	0	4,381	4,498
Pacific Noncontiguous	785	896	905	1,048	706	887	0	0	2,396	2,831
Alaska	267	260	330	318	131	143	0	0	729	721
Hawaii	518	636	575	731	575	743	0	0	1,667	2,110
U.S. Total	122,860	120,549	97,642	97,994	43,989	45,149	529	539	265,019	264,231

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

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Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	18.06	18.07	14.87	14.61	11.98	11.39	9.76	8.54	15.74	15.43
Connecticut	19.20	19.74	15.09	15.35	12.56	12.36	11.42	10.26	16.65	16.82
Maine	15.49	15.35	12.61	NM	8.75	7.84	--	--	12.65	11.94
Massachusetts	17.99	17.77	15.37	14.74	13.34	12.59	8.38	NM	16.11	15.52
New Hampshire	17.15	17.18	13.98	13.58	12.20	11.23	--	--	14.97	14.63
Rhode Island	18.86	18.37	14.41	15.95	12.82	12.63	18.35	15.44	16.21	16.62
Vermont	17.12	17.87	14.40	14.46	10.11	10.42	--	--	14.34	14.66
Middle Atlantic	16.47	16.59	13.64	13.83	7.37	7.22	12.04	12.46	13.63	13.53
New Jersey	16.65	16.00	13.75	13.50	11.33	11.09	10.19	10.13	14.82	14.30
New York	18.44	19.49	15.91	16.35	6.23	6.33	13.48	14.21	15.77	16.27
Pennsylvania	14.22	13.91	9.41	9.47	7.19	6.96	7.69	7.30	10.55	10.17
East North Central	13.17	13.08	10.04	10.05	7.10	7.06	6.91	5.12	10.18	10.06
Illinois	12.41	11.95	9.04	8.86	6.65	6.38	6.69	4.82	9.58	9.23
Indiana	11.18	11.56	9.43	9.90	6.62	7.00	9.24	10.47	8.83	9.14
Michigan	15.43	14.88	10.94	11.33	7.44	8.04	11.83	--	11.51	11.48
Ohio	13.08	13.50	10.04	9.85	7.22	6.67	8.10	7.86	10.29	10.08
Wisconsin	14.64	14.26	11.39	11.12	8.05	7.85	--	--	11.24	10.99
West North Central	12.61	12.48	10.16	10.06	7.45	7.51	10.72	10.61	10.23	10.20
Iowa	13.92	13.42	10.92	10.44	7.03	7.15	--	--	9.91	9.97
Kansas	12.44	12.74	10.11	10.56	7.45	7.94	--	--	10.31	10.75
Minnesota	12.97	12.85	10.05	10.08	7.49	7.38	9.74	10.16	10.22	10.13
Missouri	12.38	12.17	10.45	10.22	7.40	7.37	11.96	11.12	10.77	10.55
Nebraska	12.19	12.06	9.48	9.29	7.79	7.84	--	--	9.70	9.62
North Dakota	11.16	10.94	9.46	9.03	8.29	8.27	--	--	9.39	9.21
South Dakota	11.72	11.42	9.31	8.89	7.52	7.20	--	--	9.76	9.38
South Atlantic	12.04	12.12	9.50	9.67	6.85	7.05	8.08	8.87	10.24	10.33
Delaware	13.55	14.12	10.00	9.33	8.12	8.68	--	--	11.18	11.26
District of Columbia	12.94	12.66	11.48	11.83	9.31	7.17	9.03	NM	11.70	11.85
Florida	11.77	11.98	9.54	9.80	8.58	8.18	8.88	9.00	10.69	10.88
Georgia	12.20	12.52	9.78	10.41	6.39	7.41	7.22	7.43	10.17	10.69
Maryland	13.93	13.71	11.07	10.92	9.02	8.31	7.69	8.82	12.22	11.95
North Carolina	11.63	11.44	8.90	8.91	6.75	6.76	7.81	7.69	9.68	9.52
South Carolina	12.59	12.48	10.32	10.29	6.27	6.48	--	--	9.87	9.81
Virginia	11.69	12.00	8.13	8.31	6.98	7.21	7.82	8.17	9.41	9.59
West Virginia	10.63	9.52	8.70	7.83	6.27	5.76	--	10.12	8.41	7.49
East South Central	10.89	10.96	10.28	10.43	6.54	6.81	8.30	8.66	9.41	9.49
Alabama	12.05	11.79	11.02	10.96	6.60	6.91	--	--	9.86	9.84
Kentucky	10.29	10.08	9.44	9.24	5.82	5.86	--	--	8.40	8.23
Mississippi	10.96	11.62	10.21	10.94	6.90	7.30	--	--	9.59	10.05
Tennessee	10.29	10.47	10.26	10.50	7.13	7.53	8.30	8.66	9.64	9.82
West South Central	11.00	11.33	7.97	8.26	5.78	6.33	5.50	5.34	8.72	9.01
Arkansas	10.39	10.00	8.58	8.29	6.82	6.49	12.40	12.63	8.80	8.33
Louisiana	9.60	9.77	8.64	8.95	5.58	6.29	8.89	8.56	8.06	8.37
Oklahoma	10.11	10.13	8.22	8.37	5.62	6.15	--	--	8.40	8.59
Texas	11.51	12.01	7.76	8.12	5.70	6.34	5.30	5.11	8.90	9.31
Mountain	12.29	12.34	10.18	10.10	7.15	7.35	10.09	10.89	10.14	10.14
Arizona	12.64	12.44	11.17	10.49	6.83	7.43	11.09	--	11.22	10.96
Colorado	12.47	12.85	10.18	10.82	7.34	7.71	10.02	11.15	10.25	10.65
Idaho	10.29	10.54	8.13	8.11	7.20	7.00	--	--	8.38	8.35
Montana	11.31	10.89	9.98	9.65	5.50	5.72	--	--	8.95	8.78
Nevada	12.36	12.63	9.14	9.11	8.69	9.07	9.63	10.29	10.28	10.58
New Mexico	13.35	13.59	11.13	11.34	6.45	6.82	--	--	10.41	10.69
Utah	11.45	11.56	9.12	9.10	6.62	6.40	10.14	10.74	9.17	8.97
Wyoming	11.50	11.13	9.12	8.83	6.74	6.71	--	--	7.99	7.84
Pacific Contiguous	15.68	15.61	15.40	15.64	10.28	9.42	8.95	9.27	14.30	14.33
California	18.24	18.12	18.13	18.17	13.87	13.40	8.94	9.28	17.29	17.38
Oregon	10.68	10.75	8.58	8.70	6.18	6.26	9.27	9.25	8.65	8.75
Washington	9.36	8.93	8.06	7.83	4.51	4.45	8.57	7.88	7.41	7.08
Pacific Noncontiguous	26.67	31.15	23.17	27.03	21.94	26.90	--	--	23.75	28.13
Alaska	21.01	20.43	18.26	17.61	15.14	16.84	--	--	18.34	18.25
Hawaii	29.87	37.81	27.28	34.54	24.07	30.38	--	--	26.72	33.79
U.S. Total	12.93	13.02	10.90	11.07	7.32	7.38	10.17	10.32	10.86	10.92

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD	August 2015 YTD	August 2014 YTD
New England	19.77	17.71	15.67	14.85	12.24	12.02	11.32	8.72	16.79	15.55
Connecticut	21.38	19.49	16.25	15.64	13.11	13.10	10.84	11.46	18.16	17.04
Maine	15.82	15.10	13.35	12.82	9.15	9.48	--	--	13.11	12.80
Massachusetts	20.23	17.23	15.84	14.83	13.34	12.83	11.03	NM	17.14	15.42
New Hampshire	18.87	17.31	15.21	14.56	12.73	12.17	--	--	16.31	15.29
Rhode Island	18.96	17.81	16.18	14.90	14.17	12.98	17.97	14.71	17.13	15.86
Vermont	16.95	17.63	14.45	14.64	10.13	10.31	--	--	14.33	14.72
Middle Atlantic	16.07	16.50	13.25	13.85	7.48	7.86	11.91	12.31	13.19	13.63
New Jersey	16.06	15.86	13.17	13.56	11.17	12.11	10.49	10.72	14.12	14.30
New York	18.80	20.35	15.39	16.30	6.47	6.64	13.16	13.74	15.50	16.51
Pennsylvania	13.61	13.38	9.62	9.84	7.29	7.64	7.89	7.84	10.41	10.46
East North Central	12.79	12.39	9.91	9.88	6.91	6.95	7.05	5.71	9.87	9.73
Illinois	12.37	11.17	8.90	8.73	6.37	6.37	6.82	5.36	9.28	8.82
Indiana	11.09	11.15	9.59	9.77	6.70	6.85	9.99	10.03	8.82	8.94
Michigan	14.38	14.53	10.65	10.99	7.25	7.81	11.43	13.50	10.90	11.19
Ohio	12.61	12.30	9.96	9.75	6.92	6.66	8.07	7.62	9.94	9.68
Wisconsin	14.38	13.87	11.07	10.92	7.81	7.68	--	--	10.98	10.76
West North Central	11.50	11.22	9.35	9.27	6.93	6.83	8.99	8.72	9.39	9.27
Iowa	12.06	11.52	9.29	8.94	6.09	5.91	--	--	8.68	8.46
Kansas	12.27	12.13	10.04	10.07	7.42	7.49	--	--	10.09	10.10
Minnesota	12.30	12.16	9.58	9.73	7.13	7.14	9.52	9.94	9.72	9.75
Missouri	11.01	10.77	9.13	9.03	6.32	6.34	8.35	7.53	9.41	9.28
Nebraska	10.80	10.43	8.97	8.77	7.61	7.45	--	--	9.10	8.87
North Dakota	9.75	9.27	8.81	8.56	8.33	7.69	--	--	8.89	8.49
South Dakota	10.87	10.43	8.91	8.73	7.29	7.08	--	--	9.31	9.05
South Atlantic	11.78	11.75	9.58	9.74	6.62	6.83	8.39	8.67	10.06	10.13
Delaware	13.56	13.19	10.49	10.72	8.36	8.94	--	--	11.36	11.43
District of Columbia	13.17	12.85	12.16	12.36	8.77	8.28	9.48	9.86	12.22	12.30
Florida	11.79	11.92	9.71	9.92	8.38	8.08	8.90	9.13	10.70	10.82
Georgia	11.65	11.76	9.93	10.42	5.94	6.70	5.56	6.47	9.75	10.13
Maryland	13.68	13.66	11.12	11.39	8.86	9.31	8.61	8.72	12.14	12.26
North Carolina	11.21	11.13	8.70	8.84	6.44	6.53	7.88	7.92	9.38	9.40
South Carolina	12.38	12.26	10.14	10.20	6.04	6.35	--	--	9.56	9.64
Virginia	11.33	11.04	8.29	8.11	7.04	6.91	8.27	8.16	9.39	9.17
West Virginia	9.84	9.32	8.46	7.98	6.09	5.94	8.83	9.49	8.04	7.71
East South Central	10.73	10.77	10.27	10.42	6.06	6.37	8.33	12.90	9.10	9.24
Alabama	11.76	11.55	11.00	10.88	6.20	6.34	--	--	9.48	9.40
Kentucky	9.94	10.05	9.25	9.37	5.38	5.83	--	--	7.99	8.24
Mississippi	11.34	11.32	10.76	10.88	6.69	6.83	--	--	9.66	9.68
Tennessee	10.19	10.41	10.17	10.52	6.29	6.81	8.33	12.90	9.33	9.66
West South Central	10.98	11.03	7.96	8.27	5.62	6.08	5.54	5.38	8.46	8.69
Arkansas	9.75	9.39	8.24	8.02	6.15	5.96	11.05	NM	8.16	7.85
Louisiana	9.19	9.53	8.62	9.22	5.40	6.20	8.48	9.43	7.68	8.25
Oklahoma	9.92	9.90	7.58	8.04	5.33	5.69	--	--	7.88	8.14
Texas	11.72	11.76	7.87	8.15	5.65	6.13	5.33	5.10	8.77	8.99
Mountain	11.96	11.78	9.84	9.72	6.65	6.74	10.01	10.47	9.60	9.53
Arizona	12.32	12.09	10.58	10.10	6.45	6.82	9.31	--	10.57	10.39
Colorado	12.06	12.31	9.83	10.29	7.11	7.39	10.15	10.89	9.83	10.16
Idaho	10.08	9.73	7.94	7.80	6.77	6.51	--	--	8.19	7.94
Montana	10.98	10.21	10.28	9.51	5.34	5.50	--	--	9.01	8.59
Nevada	12.85	12.79	9.42	9.55	7.01	7.17	9.16	9.19	9.69	9.80
New Mexico	12.74	12.40	10.60	10.42	6.39	6.59	--	--	9.88	9.80
Utah	11.05	10.79	8.78	8.66	6.27	6.08	10.06	10.23	8.66	8.44
Wyoming	10.92	10.40	9.10	8.84	6.77	6.60	--	--	7.98	7.75
Pacific Contiguous	14.15	13.57	13.62	13.35	8.59	8.37	8.64	8.72	12.72	12.38
California	17.02	16.25	15.63	15.24	11.70	11.67	8.62	8.71	15.38	14.97
Oregon	10.65	10.43	8.84	8.81	6.08	6.09	9.19	9.18	8.82	8.76
Washington	8.84	8.76	8.05	7.93	4.41	4.29	8.64	8.34	7.30	7.18
Pacific Noncontiguous	26.05	29.67	23.03	26.58	21.43	26.67	--	--	23.41	27.51
Alaska	20.08	19.32	17.82	17.20	14.94	15.92	--	--	17.94	17.62
Hawaii	30.77	38.00	27.68	34.82	23.80	30.67	--	--	27.01	34.06
U.S. Total	12.64	12.49	10.65	10.76	6.90	7.08	10.29	10.23	10.47	10.49

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Technology	As of End of July 2015	Activity During August 2015 as Reported to EIA		As of End of August 2015	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity - Outlook Based on Reports to EIA							
	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Planned Total Net Summer	
								Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Wind (Summer Capacity)	66,709.0	1,743.6	150.0	68,302.6	1,593.6	3,452.5	6,879.6	326.6	5,726.3	0.0	25.3	326.6	5,701.0	68,629.2	74,003.6
..... Solar Photovoltaic	9,669.0	217.7	8.0	9,878.7	209.7	1,510.0	2,907.5	129.6	5,041.2	0.0	0.0	129.6	5,041.2	10,008.3	14,919.9
..... Solar Thermal without Energy Storage	1,371.3	0.0	0.0	1,371.3	0.0	8.8	255.3	0.0	0.0	0.0	0.0	0.0	0.0	1,371.3	1,371.3
..... Solar Thermal with Energy Storage	295.4	0.0	0.0	295.4	0.0	0.0	0.0	0.0	110.0	0.0	0.0	0.0	110.0	295.4	405.4
..... Solar Subtotal	11,335.7	217.7	8.0	11,545.4	209.7	1,518.8	3,162.8	129.6	5,151.2	0.0	0.0	129.6	5,151.2	11,675.0	16,696.6
..... Conventional Hydroelectric	79,809.1	6.0	103.6	79,711.3	-97.6	478.7	478.5	0.0	373.3	0.0	17.9	0.0	355.4	79,711.3	80,066.7
..... Wood/Wood Waste Biomass	8,393.1	27.2	0.0	8,420.3	27.2	90.0	136.5	0.0	44.6	0.0	26.0	0.0	18.6	8,420.3	8,438.9
..... Landfill Gas	2,110.5	1.0	0.9	2,110.6	0.1	41.5	51.9	0.0	40.1	0.0	10.0	0.0	30.1	2,110.6	2,140.7
..... Municipal Solid Waste	2,306.7	0.0	0.0	2,306.7	0.0	76.0	79.0	0.0	0.0	0.0	0.0	0.0	0.0	2,306.7	2,306.7
..... Other Waste Biomass	835.7	0.0	0.0	835.7	0.0	18.7	23.5	2.8	26.3	0.0	1.2	2.8	25.1	838.5	860.8
..... Biomass Sources Subtotal	13,646.0	28.2	0.9	13,673.3	27.3	226.2	290.9	2.8	111.0	0.0	37.2	2.8	73.8	13,676.1	13,747.1
..... Geothermal	2,544.3	0.0	0.0	2,544.3	0.0	-62.7	-62.7	0.0	1.8	0.0	0.0	0.0	1.8	2,544.3	2,546.1
... Renewable Sources Subtotal	174,044.1	1,995.5	262.7	175,776.9	1,732.8	5,613.5	10,749.1	459.0	11,363.6	0.0	80.4	459.0	11,283.2	176,235.9	187,060.1
..... Natural Gas Fired Combined Cycle	230,924.2	1,911.2	1,256.0	231,579.4	655.2	2,028.4	4,846.2	685.0	6,858.5	0.0	0.0	685.0	6,858.5	232,264.4	238,437.9
..... Natural Gas Fired Combustion Turbine	124,576.8	331.2	140.5	124,767.5	190.7	117.0	141.0	11.8	1,785.7	9.0	79.7	2.8	1,706.0	124,770.3	126,473.5
..... Natural Gas Steam Turbine	75,725.6	0.0	254.0	75,472.6	-254.0	NA	NA	0.0	0.0	0.0	1,155.7	0.0	-1,155.7	75,472.6	74,316.9
..... Natural Gas Internal Combustion Engine	3,549.4	0.0	0.0	3,549.4	0.0	NA	NA	3.2	634.1	0.9	4.2	2.3	629.9	3,551.7	4,179.3
..... Natural Gas with Compressed Air Storage	110.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	110.0
..... Other Natural Gas	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	434,986.5	2,242.4	1,650.5	435,578.4	591.9	3,452.3	6,468.7	700.0	9,278.3	9.9	1,239.6	690.1	8,038.7	436,268.5	443,617.1
..... Conventional Steam Coal	287,571.8	0.0	180.6	287,391.2	-180.6	-11,802.5	-13,294.3	0.0	51.2	1,545.0	8,670.4	-1,545.0	-8,619.2	285,846.2	278,772.0
..... Coal Integrated Gasification Combined Cycle	791.0	0.0	0.0	791.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	791.0	791.0
..... Coal Subtotal	288,362.8	0.0	180.6	288,182.2	-180.6	-11,802.5	-13,294.3	0.0	51.2	1,545.0	8,670.4	-1,545.0	-8,619.2	286,637.2	279,563.0
..... Petroleum Coke	2,190.2	0.0	0.0	2,190.2	0.0	-129.5	-129.5	0.0	0.0	0.0	0.0	0.0	0.0	2,190.2	2,190.2
..... Petroleum Liquids	38,117.8	0.6	19.0	38,099.4	-18.4	-2,378.3	-2,382.2	2.9	11.5	0.7	128.9	2.2	-117.4	38,101.6	37,982.0
..... Other Gases	1,914.3	30.4	30.4	1,914.3	0.0	-153.5	-193.5	0.0	0.0	3.2	3.2	-3.2	-3.2	1,911.1	1,911.1
... Fossil Fuels Subtotal	765,571.6	2,273.4	1,880.5	765,964.5	392.9	-11,011.5	-9,530.8	702.9	9,341.0	1,556.8	10,042.1	-856.9	-701.1	765,108.6	765,263.4
..... Hydroelectric Pumped Storage	22,558.1	0.0	0.0	22,558.1	0.0	148.8	146.8	0.0	152.0	0.0	0.0	0.0	152.0	22,558.1	22,710.1
..... Flywheels	43.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0
..... Batteries	189.6	0.0	0.0	189.6	0.0	40.0	40.0	33.3	81.1	0.0	0.0	33.3	81.1	222.9	270.7
... Energy Storage Subtotal	22,790.7	0.0	0.0	22,790.7	0.0	186.8	186.8	33.3	233.1	0.0	0.0	33.3	233.1	22,824.0	23,023.8
... Nuclear	98,708.1	0.0	0.0	98,708.1	0.0	87.2	-571.1	0.0	1,122.0	0.0	0.0	0.0	0.0	98,708.1	99,830.1
... All Other	2,607.5	0.0	0.0	2,607.5	0.0	499.4	499.4	0.0	16.0	1.0	1.0	-1.0	15.0	2,606.5	2,622.5
TOTAL	1,063,722.0	4,268.9	2,143.2	1,065,847.7	2,125.7	-4,624.6	1,387.4	1,195.2	22,075.7	1,559.8	10,123.5	-364.6	11,952.2	1,065,483.1	1,077,799.9

NOTES:

Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.

Planned Capacity Reductions reflect plans to retire or derate existing units.

Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.

Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.

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

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

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	4,590.3	4,473.3	22,873.9	22,970.0	1,775.4	1,775.4	3.0	3.0	4,046.3	4,630.3	52.9	52.9	33,341.8	33,904.9
Connecticut	328.2	331.6	6,313.9	6,270.5	29.4	29.4	0.0	0.0	2,122.5	2,102.5	30.9	30.9	8,824.9	8,764.9
Maine	1,795.4	1,809.6	2,645.0	2,663.3	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,462.4	4,494.9
Massachusetts	930.0	820.1	9,787.0	9,940.2	1,746.0	1,746.0	3.0	3.0	677.6	677.3	0.0	0.0	13,143.6	13,186.6
New Hampshire	935.4	930.5	2,266.7	2,236.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,448.3	4,413.4
Rhode Island	51.3	49.5	1,761.8	1,759.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,813.1	1,809.3
Vermont	550.0	532.0	99.5	99.5	0.0	0.0	0.0	0.0	0.0	604.3	0.0	0.0	649.5	1,235.8
Middle Atlantic	10,579.9	10,099.0	67,496.2	68,564.5	3,409.1	3,341.0	40.0	40.0	19,321.4	19,234.3	11.2	11.2	100,857.8	101,290.0
New Jersey	671.3	595.9	12,511.4	13,589.4	420.0	420.0	0.0	0.0	4,110.1	4,107.5	11.2	11.2	17,724.0	18,724.0
New York	7,049.0	6,649.2	26,490.5	26,428.0	1,406.1	1,400.0	20.0	20.0	5,431.5	5,421.0	0.0	0.0	40,397.1	39,918.2
Pennsylvania	2,859.6	2,853.9	28,494.3	28,547.1	1,583.0	1,521.0	20.0	20.0	9,779.8	9,705.8	0.0	0.0	42,736.7	42,647.8
East North Central	9,974.8	9,247.9	116,965.6	121,884.5	1,945.0	1,872.0	59.0	24.0	18,873.3	18,838.1	111.0	109.1	147,928.7	151,975.6
Illinois	3,980.1	3,718.2	30,012.3	29,654.6	0.0	0.0	33.0	0.0	11,564.1	11,577.5	1.0	0.0	45,590.5	44,950.3
Indiana	1,973.5	1,734.1	24,245.0	25,396.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	26,306.5	27,218.7
Michigan	2,146.7	1,985.1	22,114.4	22,318.6	1,945.0	1,872.0	0.0	0.0	3,982.0	3,929.1	0.9	0.0	30,189.0	30,104.8
Ohio	717.0	706.2	25,971.2	29,486.1	0.0	0.0	26.0	24.0	2,134.0	2,134.0	0.0	0.0	28,848.2	32,350.3
Wisconsin	1,157.5	1,104.3	14,622.7	15,028.6	0.0	0.0	0.0	0.0	1,193.2	1,197.5	21.1	21.1	16,994.5	17,351.5
West North Central	19,893.2	18,468.2	61,798.4	62,247.0	657.0	657.0	2.0	1.0	5,806.0	5,888.0	44.5	24.5	88,201.1	87,285.7
Iowa	5,940.7	5,212.3	10,043.6	10,125.3	0.0	0.0	0.0	0.0	601.4	601.4	20.0	0.0	16,605.7	15,939.0
Kansas	3,197.6	2,990.9	9,943.9	10,104.3	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.8	14,317.3	14,271.0
Minnesota	3,623.9	3,517.9	10,233.7	10,625.3	0.0	0.0	1.0	1.0	1,594.0	1,673.0	18.4	18.4	15,471.0	15,835.6
Missouri	1,053.6	1,049.2	18,916.9	18,859.1	657.0	657.0	1.0	0.0	1,193.0	1,194.0	0.0	0.0	21,821.5	21,759.3
Nebraska	1,105.4	1,030.4	6,384.4	6,384.9	0.0	0.0	0.0	0.0	1,242.6	1,244.6	0.0	0.0	8,732.4	8,659.9
North Dakota	2,634.0	2,279.0	4,585.6	4,449.4	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,224.9	6,733.7
South Dakota	2,338.0	2,388.5	1,690.3	1,698.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,028.3	4,087.2
South Atlantic	13,148.5	12,442.0	159,674.3	161,924.5	7,905.2	7,905.2	34.0	32.0	24,559.1	24,562.6	970.7	902.7	206,291.8	207,769.0
Delaware	45.0	38.3	3,351.4	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,396.4	3,080.7
District of Columbia	9.9	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	9.0
Florida	1,410.3	1,302.4	53,575.8	54,337.5	0.0	0.0	0.0	0.0	3,572.0	3,572.0	776.7	752.7	59,334.8	59,964.6
Georgia	2,888.4	2,813.6	27,454.1	29,473.5	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	44.0	0.0	36,309.7	38,210.3
Maryland	969.0	910.3	9,693.2	9,627.2	0.0	0.0	0.0	0.0	1,707.8	1,716.0	0.0	0.0	12,370.0	12,253.5
North Carolina	3,410.2	2,974.4	22,005.4	21,939.5	86.0	86.0	0.0	0.0	5,094.1	5,076.1	54.0	54.0	30,649.7	30,130.0
South Carolina	1,779.5	1,769.5	11,772.3	11,974.9	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,824.0	23,016.6
Virginia	1,750.2	1,747.5	17,057.2	16,162.0	3,241.0	3,241.0	0.0	0.0	3,568.0	3,581.3	96.0	96.0	25,712.4	24,827.8
West Virginia	886.0	886.0	14,755.9	15,358.5	0.0	0.0	34.0	32.0	0.0	0.0	0.0	0.0	15,675.9	16,276.5
East South Central	7,956.3	7,929.2	69,179.0	70,513.6	1,616.3	1,616.3	0.0	0.0	9,875.6	9,857.5	159.7	151.4	88,786.9	90,068.0
Alabama	3,886.9	3,889.6	22,793.0	22,917.1	0.0	0.0	0.0	0.0	5,066.4	5,043.4	0.0	0.0	31,746.3	31,850.1
Kentucky	905.6	903.4	19,196.2	20,102.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,101.8	21,005.6
Mississippi	274.7	278.2	14,095.4	14,395.7	0.0	0.0	0.0	0.0	1,408.5	1,413.4	159.7	151.4	15,938.3	16,238.7
Tennessee	2,889.1	2,858.0	13,094.4	13,098.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,000.5	20,973.6
West South Central	24,862.2	20,623.7	147,980.6	146,482.2	288.0	288.0	36.0	36.0	8,912.4	8,904.4	513.2	425.9	182,592.4	176,760.2
Arkansas	1,632.0	1,632.6	11,270.5	11,306.3	28.0	28.0	0.0	0.0	1,819.6	1,819.0	0.0	0.0	14,750.1	14,785.9
Louisiana	642.1	642.9	23,605.8	23,257.3	0.0	0.0	0.0	0.0	2,132.8	2,125.4	275.8	202.3	26,656.5	26,227.9
Oklahoma	5,270.3	4,084.3	19,234.1	18,963.9	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	24,764.4	23,308.2
Texas	17,317.8	14,263.9	93,870.2	92,954.7	0.0	0.0	36.0	36.0	4,960.0	4,960.0	237.4	223.6	116,421.4	112,438.2
Mountain	21,015.5	20,181.6	64,332.5	64,515.7	778.8	778.8	2.6	2.6	3,937.0	3,937.0	111.4	111.4	90,177.8	89,527.1
Arizona	4,487.6	4,275.5	19,674.4	19,592.1	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,315.3	28,020.9
Colorado	3,403.2	3,130.0	11,422.4	11,070.2	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	15,397.4	14,772.0
Idaho	3,776.1	3,775.1	1,157.5	1,137.4	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,948.4	4,927.3
Montana	3,397.8	3,393.2	2,718.2	2,911.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,160.0	6,348.9
Nevada	2,386.4	2,094.5	8,258.7	8,684.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,645.1	10,779.1
New Mexico	1,168.0	1,131.7	6,914.8	6,881.1	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,085.4	8,015.4
Utah	682.0	666.0	7,454.4	7,629.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,168.2	8,327.1
Wyoming	1,714.4	1,715.6	6,732.1	6,609.3	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,458.0	8,336.4
Pacific Contiguous	62,683.8	60,524.9	51,572.4	52,401.8	4,183.3	4,177.6	8.0	6.0	3,377.0	3,373.0	566.3	292.4	122,390.8	120,775.7
California	25,974.0	24,111.2	42,975.8	43,973.5	3,869.3	3,863.6	8.0	6.0	2,240.0	2,240.0	453.6	235.6	75,520.7	74,429.9
Oregon	12,040.0	12,035.9	3,859.6	3,635.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,899.6	15,671.3
Washington	24,669.8	24,377.8	4,737.0	4,792.9	314.0	314.0	0.0	0.0	1,137.0	1,133.0	112.7	56.8	30,970.5	30,674.5
Pacific Noncontiguous	1,072.4	1,038.0	4,091.6	3,991.5	0.0	0.0	48.0	48.0	0.0	0.0	66.6	26.6	5,278.6	5,104.1
Alaska	507.5	482.6	2,019.4	1,919.5	0.0	0.0	27.0	27.0	0.0	0.0	40.0	0.0	2,593.9	2,429.1
Hawaii	564.9	555.4	2,072.2	2,072.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,684.7	2,675.0
U.S. Total	175,776.9	165,027.8	765,964.5	775,495.3	22,558.1	22,411.3	232.6	192.6	98,708.1	99,225.2	2,607.5	2,108.1	1,065,847.7	1,064,460.3

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a 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 of Utility Scale Units Using Primarily Renewable Energy Sources and by State, August 2015 and 2014 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	808.2	800.9	349.2	225.0	0.0	0.0	1,965.8	1,952.6	1,467.1	1,494.8	0.0	0.0	4,590.3	4,473.3
Connecticut	0.0	0.0	10.0	5.0	0.0	0.0	122.2	122.2	196.0	204.4	0.0	0.0	328.2	331.6
Maine	430.6	430.6	0.0	0.0	0.0	0.0	733.0	726.7	631.8	652.3	0.0	0.0	1,795.4	1,809.6
Massachusetts	82.6	76.1	301.1	200.9	0.0	0.0	263.0	263.0	283.3	280.1	0.0	0.0	930.0	820.1
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	521.3	514.4	243.1	245.1	0.0	0.0	935.4	930.5
Rhode Island	3.8	3.0	7.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	51.3	49.5
Vermont	120.2	120.2	30.2	12.2	0.0	0.0	323.6	323.6	76.0	76.0	0.0	0.0	550.0	532.0
Middle Atlantic	3,098.5	3,082.2	517.4	445.3	0.0	0.0	5,618.8	5,226.8	1,345.2	1,344.7	0.0	0.0	10,579.9	10,099.0
New Jersey	7.6	7.5	420.6	358.3	0.0	0.0	12.3	3.3	230.8	226.8	0.0	0.0	671.3	595.9
New York	1,747.0	1,730.8	54.7	46.2	0.0	0.0	4,713.1	4,332.3	534.2	539.9	0.0	0.0	7,049.0	6,649.2
Pennsylvania	1,343.9	1,343.9	42.1	40.8	0.0	0.0	893.4	891.2	580.2	578.0	0.0	0.0	2,859.6	2,853.9
East North Central	7,655.4	7,033.4	169.1	135.5	0.0	0.0	918.2	920.3	1,232.1	1,158.7	0.0	0.0	9,974.8	9,247.9
Illinois	3,799.8	3,525.1	31.9	31.6	0.0	0.0	34.1	34.1	114.3	127.4	0.0	0.0	3,980.1	3,718.2
Indiana	1,739.7	1,539.7	98.6	71.8	0.0	0.0	60.4	60.4	74.8	62.2	0.0	0.0	1,973.5	1,734.1
Michigan	1,360.1	1,215.9	0.0	0.0	0.0	0.0	333.1	331.4	453.5	437.8	0.0	0.0	2,146.7	1,985.1
Ohio	424.1	424.1	37.6	32.1	0.0	0.0	101.9	101.9	153.4	148.1	0.0	0.0	717.0	706.2
Wisconsin	331.7	328.6	1.0	0.0	0.0	0.0	388.7	392.5	436.1	383.2	0.0	0.0	1,157.5	1,104.3
West North Central	16,062.4	14,654.7	13.2	9.4	0.0	0.0	3,300.8	3,292.6	516.8	511.5	0.0	0.0	19,893.2	18,468.2
Iowa	5,775.4	5,047.0	0.0	0.0	0.0	0.0	144.9	144.9	20.4	20.4	0.0	0.0	5,940.7	5,212.3
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
Minnesota	2,987.8	2,893.7	1.7	1.7	0.0	0.0	195.0	184.6	439.4	437.9	0.0	0.0	3,623.9	3,517.9
Missouri	458.5	458.5	10.5	7.7	0.0	0.0	568.1	570.3	16.5	12.7	0.0	0.0	1,053.6	1,049.2
Nebraska	811.9	736.9	0.0	0.0	0.0	0.0	277.8	277.8	15.7	15.7	0.0	0.0	1,105.4	1,030.4
North Dakota	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
South Dakota	740.0	790.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,338.0	2,388.5
South Atlantic	745.3	705.3	1,078.7	616.6	0.0	0.0	7,198.0	7,193.2	4,126.5	3,926.9	0.0	0.0	13,148.5	12,442.0
Delaware	2.0	2.0	30.8	28.3	0.0	0.0	0.0	0.0	12.2	8.0	0.0	0.0	45.0	38.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0
Florida	0.0	0.0	78.9	66.4	0.0	0.0	54.5	54.5	1,276.9	1,181.5	0.0	0.0	1,410.3	1,302.4
Georgia	0.0	0.0	68.6	61.1	0.0	0.0	2,047.6	2,044.9	772.2	707.6	0.0	0.0	2,888.4	2,813.6
Maryland	160.0	120.0	73.9	55.2	0.0	0.0	590.0	590.0	145.1	145.1	0.0	0.0	968.0	910.3
North Carolina	0.0	0.0	824.0	403.1	0.0	0.0	1,999.1	1,997.0	587.1	574.3	0.0	0.0	3,410.2	2,974.4
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,340.3	1,340.3	436.7	426.7	0.0	0.0	1,779.5	1,769.5
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	884.2	881.5	0.0	0.0	1,750.2	1,747.5
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	300.5	300.5	2.2	2.2	0.0	0.0	886.0	886.0
East South Central	29.1	29.1	45.2	13.6	0.0	0.0	6,724.9	6,721.4	1,157.1	1,165.1	0.0	0.0	7,956.3	7,929.2
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,271.0	3,272.2	615.9	617.4	0.0	0.0	3,886.9	3,889.6
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	835.3	833.1	70.3	70.3	0.0	0.0	905.6	903.4
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.7	278.2	0.0	0.0	274.7	278.2
Tennessee	29.1	29.1	45.2	13.6	0.0	0.0	2,618.6	2,616.1	196.2	199.2	0.0	0.0	2,889.1	2,858.0
West South Central	20,267.6	16,110.6	218.4	169.9	0.0	0.0	3,049.6	3,062.2	1,326.6	1,281.0	0.0	0.0	24,862.2	20,623.7
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,323.6	1,324.2	308.4	308.4	0.0	0.0	1,632.0	1,632.6
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.1	450.9	0.0	0.0	642.1	642.9
Oklahoma	4,328.4	3,132.9	2.5	0.0	0.0	0.0	863.2	875.2	76.2	76.2	0.0	0.0	5,270.3	4,084.3
Texas	15,939.2	12,977.7	215.9	169.9	0.0	0.0	670.8	670.8	491.9	445.5	0.0	0.0	17,317.8	14,263.9
Mountain	7,126.8	6,815.2	2,257.4	1,768.0	363.9	363.9	10,560.8	10,562.8	178.2	184.8	528.4	486.9	21,015.5	20,181.6
Arizona	267.3	237.3	1,169.3	983.9	295.4	295.4	2,720.9	2,720.4	34.7	38.5	0.0	0.0	4,487.6	4,275.5
Colorado	2,566.1	2,302.9	133.4	120.2	0.0	0.0	676.3	679.5	27.4	27.4	0.0	0.0	3,403.2	3,130.0
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,707.7	2,708.1	95.7	94.3	10.0	10.0	3,776.1	3,775.1
Montana	636.7	632.1	0.0	0.0	0.0	0.0	2,758.1	2,758.1	3.0	3.0	0.0	0.0	3,397.8	3,393.2
Nevada	150.0	150.0	669.5	419.1	68.5	68.5	1,051.4	1,051.4	3.2	3.2	443.8	402.3	2,386.4	2,094.5
New Mexico	812.3	797.3	269.0	243.5	0.0	0.0	82.9	82.9	2.2	6.4	1.6	1.6	1,168.0	1,131.7
Utah	324.4	324.4	16.2	1.3	0.0	0.0	256.4	255.3	12.0	12.0	73.0	73.0	682.0	666.0
Wyoming	1,407.3	1,408.5	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,715.6
Pacific Contiguous	12,243.7	11,926.0	5,185.9	3,555.7	1,302.8	1,047.5	39,908.9	39,860.3	2,069.6	2,058.3	1,972.9	2,077.1	62,683.8	60,524.9
California	6,013.2	5,958.8	5,171.5	3,542.5	1,302.8	1,047.5	10,182.9	10,175.4	1,348.4	1,327.6	1,955.2	2,059.4	25,974.0	24,111.2
Oregon	3,157.4	3,160.9	13.9	12.7	0.0	0.0	8,519.8	8,517.1	331.2	327.5	17.7	17.7	12,040.0	12,035.9
Washington	3,073.1	2,806.3	0.5	0.5	0.0	0.0	21,206.2	21,167.8	390.0	403.2	0.0	0.0	24,669.8	24,377.8
Pacific Noncontiguous	265.6	265.6	44.2	32.2	0.0	0.0	465.5	440.6	254.1	256.6	43.0	43.0	1,072.4	1,038.0
Alaska	60.0	60.0	0.0	0.0	0.0	0.0	440.5	415.6	7.0	7.0	0.0	0.0	507.5	482.6
Hawaii	205.6	205.6	44.2	32.2	0.0	0.0	25.0	25.0	247.1	249.6	43.0	43.0	564.9	555.4
U.S. Total	68,302.6	61,423.0	9,878.7	6,971.2	1,666.7	1,411.4	79,711.3	79,232.8	13,673.3	13,382.4	2,544.3	2,607.0	175,776.9	165,027.8

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a 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 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, August 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	
	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014	August 2015	August 2014
New England	11,772.0	11,720.9	1,110.1	1,111.3	961.2	872.3	2,076.8	2,232.9	0.0	0.0	6,953.8	7,032.6	0.0	0.0	22,873.9	22,970.0
Connecticut	2,504.6	2,504.6	482.2	482.2	64.7	63.3	383.4	383.4	0.0	0.0	2,879.0	2,837.0	0.0	0.0	6,313.9	6,270.5
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	912.1	0.0	0.0	2,645.0	2,663.3
Massachusetts	5,054.2	5,033.1	326.9	328.1	765.1	679.6	1,074.5	1,230.6	0.0	0.0	2,566.3	2,668.8	0.0	0.0	9,787.0	9,940.2
New Hampshire	1,231.0	1,201.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,266.7	2,236.7
Rhode Island	1,732.2	1,732.2	0.0	0.0	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	23,368.4	22,426.7	7,731.6	8,764.8	11,067.0	10,148.3	18,426.5	18,600.8	11.6	11.6	6,790.7	8,511.9	100.4	100.4	67,496.2	68,564.5
New Jersey	6,645.2	5,852.0	3,004.5	4,066.8	512.6	670.4	1,870.0	1,875.8	11.6	11.6	467.5	1,112.8	0.0	0.0	12,511.4	13,589.4
New York	8,250.0	8,236.0	3,048.1	3,017.0	8,758.8	7,679.3	2,490.1	2,507.3	0.0	0.0	3,943.5	4,988.4	0.0	0.0	26,490.5	26,428.0
Pennsylvania	8,473.2	8,338.7	1,679.0	1,681.0	1,795.6	1,798.6	14,066.4	14,217.7	0.0	0.0	2,379.7	2,410.7	100.4	100.4	28,494.3	28,547.1
East North Central	16,954.6	16,267.1	25,652.9	25,677.7	3,464.2	3,514.7	66,706.8	71,988.7	521.6	570.1	2,730.8	2,924.9	934.7	941.3	116,965.6	121,884.5
Illinois	3,543.0	2,957.7	10,183.3	10,169.6	232.0	228.0	15,254.1	15,498.4	0.0	0.0	682.2	683.2	117.7	117.7	30,012.3	29,654.6
Indiana	2,480.2	2,471.2	3,142.6	3,119.6	76.0	8.7	17,399.0	18,648.2	274.0	274.0	273.3	268.4	599.9	606.5	24,245.0	25,396.6
Michigan	4,291.6	4,210.1	3,543.8	3,590.4	2,858.4	3,007.1	10,848.4	10,946.5	47.2	47.2	525.0	517.3	0.0	0.0	22,114.4	22,318.6
Ohio	3,974.6	3,965.2	5,427.7	5,426.7	131.4	131.4	15,425.5	18,744.8	142.0	142.0	652.9	858.9	217.1	217.1	25,971.2	29,486.1
Wisconsin	2,665.2	2,662.9	3,355.5	3,371.4	166.4	139.5	7,779.8	8,150.8	58.4	106.9	597.4	597.1	0.0	0.0	14,622.7	15,028.6
West North Central	5,731.8	5,730.6	11,517.8	11,452.4	3,500.5	3,230.2	36,930.2	37,679.0	32.0	32.0	4,077.7	4,114.4	8.4	8.4	61,798.4	62,247.0
Iowa	1,111.0	1,112.8	1,104.4	1,105.6	548.3	299.1	6,240.0	6,562.3	32.0	32.0	1,007.9	1,013.5	0.0	0.0	10,043.6	10,125.3
Kansas	0.0	0.0	2,324.8	2,350.7	2,034.0	2,023.2	5,047.1	5,188.1	0.0	0.0	538.0	542.3	0.0	0.0	9,943.9	10,104.3
Minnesota	2,158.2	2,158.2	2,533.7	2,580.4	271.4	257.2	4,478.0	4,822.3	0.0	0.0	792.4	807.2	0.0	0.0	10,233.7	10,625.3
Missouri	1,830.0	1,830.0	3,379.4	3,320.9	230.8	230.8	12,337.6	12,332.4	0.0	0.0	1,139.1	1,145.0	0.0	0.0	18,916.9	18,859.1
Nebraska	342.6	339.6	1,152.9	1,152.2	407.3	407.3	4,167.9	4,170.5	0.0	0.0	313.7	315.3	0.0	0.0	6,384.4	6,384.9
North Dakota	0.0	0.0	328.0	248.0	0.0	0.0	4,184.6	4,128.4	0.0	0.0	64.6	64.6	8.4	8.4	4,585.6	4,449.4
South Dakota	290.0	290.0	694.6	694.6	8.7	12.6	475.0	475.0	0.0	0.0	222.0	226.5	0.0	0.0	1,690.3	1,698.7
South Atlantic	47,440.3	46,216.5	31,977.0	31,702.8	5,588.4	4,661.8	60,010.2	64,264.1	669.8	669.8	13,853.6	14,144.5	135.0	265.0	159,674.3	161,924.5
Delaware	1,505.0	1,196.0	311.0	181.0	876.0	876.0	410.0	410.0	0.0	0.0	114.4	114.4	135.0	265.0	3,351.4	3,042.4
District of Columbia	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
Florida	25,257.6	25,879.9	8,400.0	8,405.4	2,736.3	2,647.3	10,085.0	10,117.0	586.0	586.0	6,510.9	6,701.9	0.0	0.0	53,575.8	54,337.5
Georgia	7,961.8	7,921.8	7,823.4	7,799.1	822.0	155.0	9,764.4	12,412.1	83.8	83.8	998.7	1,101.7	0.0	0.0	27,454.1	29,473.5
Maryland	250.0	250.0	1,580.9	1,479.9	325.8	325.8	4,722.0	4,757.0	0.0	0.0	2,814.5	2,814.5	0.0	0.0	9,693.2	9,627.2
North Carolina	4,738.5	4,706.6	6,031.7	6,035.7	0.0	0.0	10,832.8	10,794.8	0.0	0.0	402.4	402.4	0.0	0.0	22,005.4	21,939.5
South Carolina	2,409.0	2,416.0	2,855.6	2,841.2	270.8	110.8	5,575.5	5,945.5	0.0	0.0	661.4	661.4	0.0	0.0	11,772.3	11,974.9
Virginia	5,318.4	3,846.2	3,894.1	3,877.6	557.5	546.9	4,946.9	5,554.1	0.0	0.0	2,340.3	2,337.2	0.0	0.0	17,057.2	16,162.0
West Virginia	0.0	0.0	1,071.3	1,073.9	0.0	0.0	13,673.6	14,273.6	0.0	0.0	11.0	11.0	0.0	0.0	14,755.9	15,358.5
East South Central	18,864.1	18,338.7	12,887.5	12,829.5	2,592.1	2,725.5	34,584.7	36,315.0	0.0	0.0	150.8	205.1	99.8	99.8	69,179.0	70,513.6
Alabama	9,391.3	9,373.1	2,530.6	2,530.6	189.3	178.3	10,539.4	10,692.7	0.0	0.0	42.6	42.6	99.8	99.8	22,793.0	22,917.1
Kentucky	642.0	0.0	4,870.6	4,812.6	0.0	0.0	13,671.7	15,219.7	0.0	0.0	11.9	69.9	0.0	0.0	19,196.2	20,102.2
Mississippi	7,427.8	7,562.6	1,716.9	1,716.9	2,381.6	2,547.2	2,526.0	2,526.0	0.0	0.0	43.1	43.0	0.0	0.0	14,095.4	14,395.7
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	21.2	0.0	7,847.6	7,876.6	0.0	0.0	53.2	49.6	0.0	0.0	13,094.4	13,098.6
West South Central	59,489.0	58,015.5	13,101.4	12,299.6	36,040.9	36,647.5	37,929.9	37,956.7	903.2	984.2	185.4	198.8	330.8	379.9	147,980.6	146,482.2
Arkansas	4,597.3	4,630.5	725.8	727.6	810.7	813.7	5,124.5	5,122.3	0.0	0.0	12.2	12.2	0.0	0.0	11,270.5	11,306.3
Louisiana	7,548.1	7,053.4	2,649.8	2,640.4	9,022.4	9,068.5	3,418.6	3,437.8	892.6	973.6	49.1	49.3	25.2	34.3	23,605.8	23,257.3
Oklahoma	7,216.1	7,097.5	1,316.7	1,189.9	5,369.6	5,297.0	5,257.3	5,305.1	0.0	0.0	74.4	74.4	0.0	0.0	19,234.1	18,963.9
Texas	40,127.5	39,234.1	8,409.1	7,741.7	20,838.2	21,468.3	24,129.5	24,091.5	10.6	10.6	49.7	62.9	305.6	345.6	93,870.2	92,954.7
Mountain	22,507.6	21,802.5	8,885.6	8,876.0	3,213.4	3,392.0	29,216.0	29,971.0	52.0	52.0	370.8	327.3	87.1	94.9	64,332.5	64,515.7
Arizona	9,868.7	9,806.4	2,367.6	2,367.6	1,177.6	1,177.6	6,170.0	6,150.0	0.0	0.0	90.5	90.5	0.0	0.0	19,674.4	19,592.1
Colorado	3,239.9	2,731.7	2,535.3	2,539.3	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	11,070.2
Idaho	568.5	567.5	562.1	543.0	4.3	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,157.5	1,137.4
Montana	0.0	0.0	321.6	362.1	54.0	54.0	2,289.1	2,442.1	52.0	52.0	0.0	0.0	1.5	1.5	2,718.2	2,911.7
Nevada	5,418.6	5,410.5	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	8,684.6
New Mexico	1,487.9	1,456.4	1,039.6	1,041.6	849.4	888.7	3,471.0	3,471.0	0.0	0.0	66.9	23.4	0.0	0.0	6,914.8	6,881.1
Utah	1,830.0	1,830.0	520.2	520.2	322.4	325.3	4,754.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,454.4	7,629.3
Wyoming	94.0	0.0	153.6	116.6	5.6	6.0	6,387.5	6,387.5	0.0	0.0	5.8	5.8	85.6	93.4	6,732.1	6,609.3
Pacific Contiguous	24,930.4	25,609.5	11,375.8	11,392.2	12,628.8	12,543.9	2,015.0	2,177.8	0.0	0.0	410.7	466.7	211.7	211.7	51,572.4	52,401.8
California	19,300.8	19,924.0	10,600.8	10,617.2	12,377.0	12,516.3	90.0	252.8	0.0	0.0	395.5	451.5	211.7	211.7	42,975.8	43,973.5
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	2,713.0	2,768.9	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	4,737.0	4,792.9
Pacific Noncontiguous	521.2	605.2	527.8	520.2	175.0	13.8	286.1	290.5	0.0	0.0	2,575.1	2,555.4	6.4	6.4	4,091.6	3,991.5
Alaska	521.2	605.2	527.8	520.2	175.0	13.8	106.1	110.5	0.0	0.0	689.3	669.8	0.0	0.0	2,019.4	1,919.5
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,885.8	1,885.6	6.4	6.4	2,072.2	2,072.0
U.S. Total	231,579.4	228,733.2	124,767.5	124,626.5	79,231.5	77,750.0	288,182.2	301,476.5	2,190.2	2,319.7	38,099.4	40,481.6	1,914.3	2,107.8	765,964.5	775,495.3

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a 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	Lonsesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonsesome 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	58536	AW1	1.5	Solar Photovoltaic	SUN	PV
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 2	CA	58537	AW2	1.5	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee Granby Road Solar	MA	58626	PV1	1.6	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee River Solar	MA	58625	PV1	2.0	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Twiss Street Solar	MA	58624	PV1	1.5	Solar Photovoltaic	SUN	PV
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	9	24.0	Solar Photovoltaic	SUN	PV
2015	1	59176	Diamond Valley Solar LLC	IPP	Diamond Valley Solar Project	CA	59405	PV11	1.3	Solar Photovoltaic	SUN	PV
2015	1	58720	Enbridge	IPP	Keechi Wind	TX	58838	KW1	110.0	Onshore Wind Turbine	WND	WT
2015	1	56615	First Solar Project Development	Electric Utility	Meadow Lake Solar Energy Center	NM	59618	MLK	9.1	Solar Photovoltaic	SUN	PV
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-2	0.9	Conventional Hydroelectric	WAT	HY
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	Carroll Area Wind Farm	IA	59071	WT 1	20.0	Onshore Wind Turbine	WND	WT
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	North Run	NJ	59318	NRUN1	5.0	Solar Photovoltaic	SUN	PV
2015	1	58489	OCI Solar Power	IPP	OCI Alamo 3 LLC	TX	59204	OCIA3	5.5	Solar Photovoltaic	SUN	PV
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Natural Gas Internal Combustion Engine	NG	IC
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Kinsley Landfill Solar	NJ	58877	KINS	8.6	Solar Photovoltaic	SUN	PV
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Parkland Landfill Solar	NJ	59001	PARK	7.8	Solar Photovoltaic	SUN	PV
2015	1	59121	Pumpjack Solar I, LLC	IPP	Pumpjack Solar I	CA	59322	GEN1	20.0	Solar Photovoltaic	SUN	PV
2015	1	59040	Rising Tree Wind Farm II LLC	IPP	Rising Tree Wind Farm II	CA	59235	GEN1	19.8	Onshore Wind Turbine	WND	WT
2015	1	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	79.2	Onshore Wind Turbine	WND	WT
2015	1	58820	Shankle Solar Center LLC	IPP	Shankle Solar Center LLC	NC	58956	SHAN	4.8	Solar Photovoltaic	SUN	PV
2015	1	59454	Solscent 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	11624	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS07	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11624	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS08	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11624	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS09	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11624	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	Omat Nevada Inc	IPP	McGuinness Hills	NV	57446	OEC21	12.0	Geothermal	GEO	BT
2015	2	34691	Omat Nevada Inc	IPP	McGuinness Hills	NV	57446	OEC22	12.0	Geothermal	GEO	BT
2015	2	34691	Omat Nevada Inc	IPP	McGuinness 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	S026K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV
2015	2	59158	Wildwood Solar I, LLC	IPP	Wildwood Solar I, LLC	CA	59380	WLD1	19.5	Solar Photovoltaic	SUN	PV
2015	3	59307	Ashley Solar Farm, LLC	IPP	Ashley Solar Farm	NC	59566	PV1	4.0	Solar Photovoltaic	SUN	PV
2015	3	58748	Clean Energy LLC	Electric CHP	Reverent 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	Hoopstern Wind LLC	IPP	Hoopstern Wind LLC	IL	59021	HOO1	98.0	Onshore Wind Turbine	WND	WT
2015	3	59284	Kona Solar, LLC	IPP	Park Meridian #1	CA	59539	1	1.5	Solar Photovoltaic	SUN	PV
2015	3	59284	Kona Solar, LLC	IPP	Terra Francesco	CA	59541	3	1.5	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Brady Road 2	MA	58680	PV1	2.7	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV
2015	3	59358	REUT Origination, LLC	IPP	South Milford Solar Plant	UT	59620	SMS1	2.9	Solar Photovoltaic	SUN	PV
2015	3	58920	Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1	2.0	Solar Photovoltaic	SUN	PV
2015	3	58749	Rentech Nitrogen Pasadena LLC	Electric CHP	Rentech Nitrogen Pasadena Cogeneration	TX	58870	MG202	14.0	All Other	WH	ST
2015	3	59519	TerraForm Solar XVII, LLC	IPP	BlueWave Capital - Grafton (SREC II)	MA	59752	1	1.3	Solar Photovoltaic	SUN	PV
2015	3	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	6	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 Unalaksa - (AK)	Electric Utility	Dutch Harbor	AK	7502	12	3.7	Petroleum Liquids	DFO	IC
2015	4	58519	Clean Energy Collective LLC	IPP	Sunnyside Ranch Community Solar Array	CO	59742	HCE	2.0	Solar Photovoltaic	SUN	PV
2015	4	59346	Colton Solar Two, LLC	IPP	Colton Solar Two, LLC	CA	59598	CS002	1.0	Solar Photovoltaic	SUN	PV
2015	4	59289	Everetts Wildcat Solar, LLC	IPP	Everetts Wildcat Solar, LLC	NC	59549	EVER1	5.0	Solar Photovoltaic	SUN	PV
2015	4	56615	First Solar Project Development	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV
2015	4	56615	First Solar Project Development	IPP	Lost Hills	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV
2015	4	59284	Kona Solar, LLC	IPP	Rancho Cucamonga Dist #1	CA	59540	2	1.8	Solar Photovoltaic	SUN	PV
2015	4	59119	Los Vientos Windpower III, LLC	IPP	Los Vientos Windpower III	TX	59320	GEN1	2.0	Onshore Wind Turbine	WND	WT
2015	4	58863	Main Street Power	IPP	Arizona Western College PV	AZ	57765	SOLEG	1.0	Solar Photovoltaic	SUN	PV
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	EGS01	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	EGS02	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	EGS03	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	EGS04	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	EGS05	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58889	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	59806	FLS1	3.5	Solar Photovoltaic	SUN	PV
2015	4	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	2	165.0	Onshore Wind Turbine	WND	WT
2015	4	59131	Sumitomo Corporation of the Americas	IPP	Mesquite Creek Wind	TX	59332	MSCRK	211.2	Onshore Wind Turbine	WND	WT
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 1	CA	58289	VNPRV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 2	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59156	Wapsie Valley Creamery	Industrial	Wapsie Valley Creamery Back Up Generator	IA	59379	1	1.1	Petroleum Liquids	DFO	IC
2015	4	20542	Weyerhaeuser Co	Industrial	Flint River Operations	GA	50465	GEN2	25.0	Wood/Wood Waste Biomass	WDS	ST
2015	4	58919	Yanceyville Farm 2 LLC	IPP	Yanceyville Farm 2 LLC	NC	59113	1	5.0	Solar Photovoltaic	SUN	PV
2015	5	59486	Alamo Solar, LLC	IPP	Dublin Plant	GA	59718	TG1	29.0	Wood/Wood Waste Biomass	WDS	ST
2015	5	59236	Alamo Solar, LLC	IPP	Alamo Solar	CA	59469	ALAMO	18.7	Solar Photovoltaic	SUN	PV
2015	5	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	4	0.7	Petroleum Liquids	JF	IC
2015	5	59050	Algonquin Power Co	IPP	Algonquin SKIC20 Solar LLC	CA	59412	SKI20	20.0	Solar Photovoltaic	SUN	PV
2015	5	57369	Apple, Inc	Commercial	Flt. Churchill PV	NV	59472	NVC7	19.9	Solar Photovoltaic	SUN	PV
2015	5	57421	BayWa r.e Wind LLC	IPP	Beethoven Wind	SD	59187	B8H80	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	CC2A	19.8	Solar Photovoltaic	SUN	PV
2015	5	59393	Coronad Last Hills, LLC	IPP	Coronad Last Hills	CA	59638	CLH	20.0	Solar Photovoltaic	SUN	PV
2015	5	59289	Creswell Alligood Solar, LLC	IPP	Creswell Alligood Solar, LLC	NC	59548	CRES1	14.0	Solar Photovoltaic	SUN	PV
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY
2015	5	5906	EDF Renewable Services Inc	IPP	City of Corcoran Solar	CA	59087	GEN1	11.0	Solar Photovoltaic	SUN	PV
2015	5	5906	EDF Renewable Services Inc	IPP	Goose Lake Solar	CA	59086	GEN1	12.0	Solar Photovoltaic	SUN	PV
2015	5	5906	EDF Renewable Services Inc	IPP	Longhorn Wind	TX	58772	GEN1	200.0	Onshore Wind Turbine	WND	WT
2015	5	59407	FLS Solar 230 (Warren)	IPP	FLS Solar 230 (Warren)	NC	59646	FLS1	4.8	Solar Photovoltaic	SUN	PV
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST1	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST2	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59287	Laurel Capital Partners	IPP	DD Hay Road Solar 23 LLC	DE	59715	PV1	1.2	Solar Photovoltaic	SUN	PV
2015	5	59406	Mt. Olive Solar 1	IPP	Mt. Olive Solar 1	NC	59645	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-3	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-4	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-2	309.0	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59183	Shafter Solar LLC	IPP	Shafter Solar LLC	CA	59408	1	20.0	Solar Photovoltaic	SUN	PV
2015	5	59638	SoINCPower5, LLC	IPP	SoINCPower5, 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	59655	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Noatak	AK	57051	5A	0.5	Petroleum Liquids	JF	IC
2015	6	59345	Colton Solar One, LLC	IPP	Colton Solar One, LLC	CA	59597	CS001	2.5	Solar Photovoltaic	SUN	PV
2015	6	4161	Constellation Power Source Gen	IPP	Perryman	MD	1556	GT6	109.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB1	3.3	Other Waste Biomass	OBG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB2	3.3	Other Waste Biomass	OBG	GT
2015	6	59380	Enel Green Power NA, Inc.	IPP	Osage Wind, LLC	OK	58683	1	150.4	Onshore Wind Turbine	WND	WT
2015	6	56615	First Solar Project Development	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV
2015	6	59612	GES MegaOne LLC	IPP	Indy Grocers	IN	58634	INGRO	1.0	Solar Photovoltaic	SUN	PV
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK1	189.0	Natural Gas Fired Combustion Turbine	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	6	59636	HP Hood LLC	Industrial	HP Hood CT	VA	59860	HHOOD	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363		7	642.0 Natural Gas Fired Combined Cycle	NG	CC
2015	6	58822	MC Power Companies Inc	IPP	Macon Solar Power Project	MO	59729	MSF1	2.8	Solar Photovoltaic	SUN	PV
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623		5	1.2 Other Waste Biomass	OBG	IC
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623		6	1.2 Other Waste Biomass	OBG	IC
2015	6	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF	15.5	Onshore Wind Turbine	WND	WT
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS11	52.6	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS14	32.2	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	44.0	Solar Photovoltaic	SUN	PV
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	56990	NJR Clean Energy Ventures Corporation	IPP	Harmony	NJ	59627	HRMNY	3.0	Solar Photovoltaic	SUN	PV
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY
2015	6	59042	Rising Tree Wind Farm III LLC	IPP	Rising Tree Wind Farm III	CA	59236	GEN1	99.0	Onshore Wind Turbine	WND	WT
2015	6	59202	SoINCPower1, 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	59597	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	59498	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	JSIO1	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 Agcy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN1	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agcy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN2	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agcy	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	59064	003	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	7	59278	Sarah Solar, LLC	IPP	Sarah Solar	NC	59550	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 1, LP	IPP	AP North Lake 1, LP	CA	59610	APNLJ	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	15486	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469		5	173.4 Natural Gas Fired Combined Cycle	NG	CT
2015	8	15486	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469		6	173.4 Natural Gas Fired Combined Cycle	NG	CT
2015	8	15486	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	SoINCPower2, 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	SEPVP 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 Hill Solar, LLC	NC	58847		1	5.0 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 significant portion of capacity for some technologies such as solar photovoltaic generation. Entity ID and Plant ID are official, unique identification numbers assigned by EIA. Generator IDs are assigned by plant owners and/or operators. Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.4. 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 Ritman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	1	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	2	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC1	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC2	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC3	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC4	2.0	Petroleum Liquids	DFO	IC
2015	3	57450	Martin Midstream Partnership,LP	Industrial	Cross Oil Refining & Marketing, Inc	AR	58077	CROSS	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2015	3	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 2	0.5	Conventional Steam Coal	BIT	ST
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 3	0.6	Conventional Steam Coal	BIT	ST
2015	3	15298	Talen Montana LLC	IPP	J E Corlette Plant	MT	2187	1	153.0	Conventional Steam Coal	SUB	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	3	1.8	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	6	2.7	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	IC4	0.8	Petroleum Liquids	DFO	IC
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	1	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	2	23.0	Conventional Steam Coal	BIT	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	1	266.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	3	509.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	4	507.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	1	43.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	2	79.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	2	103.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	3	111.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	4	133.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	5	135.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	1	46.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	2	46.0	Conventional Steam Coal	BIT	ST
2015	4	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2015	4	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	3	251.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1914	3	79.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1914	4	153.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	1	67.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	2	105.0	Conventional Steam Coal	BIT	ST
2015	4	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN2	18.0	Natural Gas Steam Turbine	NG	ST
2015	4	21148	Zapco Energy Tactics Corp	IPP	Oceanside Energy	NY	50348	OS3	0.6	Landfill Gas	LFG	IC
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN2	32.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN3	114.0	Conventional Steam Coal	BIT	ST
2015	5	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED1	42.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED2	22.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID1	19.2	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID2	19.4	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID3	34.8	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISB	18.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISC	20.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISC	20.5	Petroleum Liquids	KER	GT
2015	5	19804	City of Vero Beach - (FL)	Electric Utility	Vero Beach Municipal Power Plant	FL	693	4	56.0	Natural Gas Steam Turbine	NG	ST
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	1	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	2	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	3	0.5	Petroleum Liquids	DFO	IC
2015	5	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN7	0.8	Conventional Steam Coal	BIT	ST
2015	5	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	124	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	58544	Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0	Other Natural Gas	NG	FC
2015	6	2647	City of Butler - (MO)	Electric Utility	Butler	MO	2115	3	0.6	Petroleum Liquids	DFO	IC
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	1	58.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	2	55.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	3	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	6	63.0	Conventional Steam Coal	BIT	ST
2015	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2015	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergan Generating Station	NJ	2398	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	13	43.0	Natural Gas Fired Combustion Turbine	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	14	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	23	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	31	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.0	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Seawaren 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	Silvwater 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

NOTES:

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

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

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

Table 6.5. 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		59712	AES Tail LLC	IPP	AES Warrior Run Energy Storage Project	MD	99949	BE581	11.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.0	
2015		59711	Adaptive Solar LLC	IPP	Adaptive Solar LLC	CA	99441	S45	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0	
2015		603	Arizona Public Service Co.	Electric Utility	APSC	AZ	99442	PV1	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0	
2015		59613	BayWa r.e. Solar Projects LLC	IPP	ESIA Solera	NC	99956	GE402	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	1.8	
2015		59613	BayWa r.e. Solar Projects LLC	IPP	Heaven Grove	NE	99957	GE401	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9	
2015		1983	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.1	Phosphoric Liquids	DFCO	IC	(TS) Construction complete, but not yet in commercial operation	1.1	
2015		1983	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.8	Phosphoric Liquids	DFCO	IC	(TS) Construction complete, but not yet in commercial operation	1.8	
2015		20048	City of Winnipeg - WEC	Electric Utility	City of Winnipeg - WEC	KS	1239	IG	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, less than 50 percent complete	2.0	
2015		57365	Consolidated Edison Solutions Inc	IPP	Future Generation Wind	MA	59622	FQ44	7.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	8.0	
2015		5699	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	99932	T2	0.4	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.0	
2015		5699	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	99932	T2	0.5	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.0	
2015		57170	EDF Renewable Asset Holdings, Inc.	IPP	Sunny Star Wind II	TX	59775	GEN1	194.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	194.0	
2015		59155	First Wind OMA LLC	IPP	Buckhorn Solar Plant	UT	59600	BSPT	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0	
2015		59155	First Wind OMA LLC	IPP	Cedar Valley Solar Plant	UT	59599	CVSP	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0	
2015		59155	First Wind OMA LLC	IPP	Greenville Solar Plant	UT	59603	GVSP	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5	
2015		57389	KEA Property Inc	Commercial	WEA St. Louis 410	MO	59714	IK410	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0	
2015		5234	Indiana Municipal Power Agency	Electric Utility	INPA Crawfordville Solar Park	IN	99748	SC04V	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0	
2015		59717	Jalisco Battery Storage LLC	IPP	Jalisco Energy Storage Center	IL	99950	BS	19.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	19.0	
2015		10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.4	
2015		10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.4	
2015		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		59648	Lockheed Martin Solar System	IPP	Lockheed Martin Solar System	FL	59657	LMSC4	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8	
2015		59513	Loy Farm Solar LLC	IPP	Loy Farm Solar	NC	99406	SV3	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0	
2015		58401	McCoy Solar, LLC	IPP	McCoy Solar Project (BA)	CA	58462	BLK4	31.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	31.4	
2015		12302	Merck & Co Inc	Industrial	Elbon	VA	52148	GE14	0.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.3	
2015		12341	Mohawkian Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58853	HLWFS	88.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	93.0	
2015		56990	NJR Clean Energy Ventures Corporation	IPP	Newark	NJ	56928	HNOCV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0	
2015		57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	56979	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete	220.0	
2015		57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	56979	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete	220.0	
2015		57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	56979	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	285.0	
2015		59565	Saddleback Solar Wind, LLC	IPP	Saddleback Solar Wind Farm	ME	59508	SRW1	34.0	Onshore Wind Turbine	WIND	WT	(TS) Construction complete, but not yet in commercial operation	34.0	
2015		59567	SolarPower LLC	IPP	SolarPower LLC	NE	59855	SVN1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0	
2015		59560	SunE Solar XVII Project 1, LLC	IPP	Fodder's Canyon #1	UT	59787	FD1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0	
2015		59561	SunE Solar XVII Project 2, LLC	IPP	Fodder's Canyon #2	UT	59786	FD2	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0	
2015		59138	SunE Solar XVIII Project 1, LLC	IPP	SunE Solar XVIII Project 1	CA	59116	SV1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0	
2015		59561	Sustainable Power Group, LLC	IPP	Redstart Solar Farm	CA	58831	PV-1	16.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	16.0	
2015		59561	Sustainable Power Group, LLC	IPP	Spring Hill Road	MA	58959	SHRD1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0	
2015		59561	Sustainable Power Group, LLC	IPP	Stratford Greenworks LLC	CA	58871	SVN	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0	
2015		59561	Sustainable Power Group, LLC	IPP	SunE Solar XVIII Project 2, LLC	CA	59117	SV2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0	
2015		59519	TerraForm Solar XVII, LLC	IPP	RGS Natural VAM BREC II Project (MA)	MA	58777	1	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6	
2015		59588	Tosco Energy Dept	IPP	Tosco Wind Turbine	UT	59817	GEN3	1.7	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	1.7	
2015		56918	University of California San Diego	Commercial	University of California San Diego	CA	57584	BB1	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0	
2015		221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	SA	0.8	Phosphoric Liquids	DFCO	IC	(U) Under construction, less than or equal to 50 percent complete	0.8	
2015		40577	American Mun Power Co., Inc	Electric Utility	Amesbury Hydroelectric Plant	VT	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3	
2015		40577	American Mun Power Co., Inc	Electric Utility	Wilcox Island Hydroelectric Plant	VT	57401	SV1	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0	
2015		59594	BIG Sweetwater Solar Farm, LLC	IPP	BIG Sweetwater Solar Farm, LLC	NE	59600	NBS05	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0	
2015		59613	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9	
2015		59613	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8	
2015		59613	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5	
2015		1981	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0	
2015		59503	Capital Dynamics	IPP	Briscoe Wind Farm	TX	59734	BPW	150.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0	
2015		59503	Capital Dynamics	IPP	Green Pastures Wind Project	TX	59735	BPW	150.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	150.0	
2015		7877	City of Hamilton (OH)	Electric Utility	City of Hamilton (OH)	OH	58872	PV1	2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.0	
2015		18956	City of Vineland (NJ)	Electric Utility	Civilville	NJ	58236	1	6.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, more than 50 percent complete	7.0	
2015		59756	Conoco Solar Energy LLC	IPP	Conoco Solar Energy LLC	UT	59757	GEN1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0	
2015		59468	Consort Renewable Energy	IPP	Consort Solar LLC	UT	59702	SV1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	50.0	
2015		59206	Dowds Farm Solar LLC	IPP	Dowds Farm Solar	NC	99420	DOWN1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	5.0	
2015		59070	Edwards	IPP	Edwards PV1	CA	59163	SV1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0	
2015		59155	First Wind OMA LLC	IPP	Gallop Wind Project	ME	57002	SV1	1.480	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	148.0	
2015		5234	Indiana Municipal Power Agency	Electric Utility	INPA Pendleton Solar Park	IN	99770	SPND	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0	
2015		11208	Los Angeles Department of Water & Power	IPP	Culbin PV	CA	57798	SV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0	
2015		58901	Marion Solar LLC	IPP	Marion Solar LLC	IN	59173	SV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0	
2015		58901	Marion Solar LLC	IPP	Marion Solar LLC	IN	59180	PV1	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	1.8	
2015		12302	Merck & Co Inc	Industrial	Elbon	VA	52148	GE14	0.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.3	
2015		12341	Mohawkian Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58853	HLWFS	88.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	93.0	
2015		12199	Montana Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	2	9.1	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, more than 50 percent complete	9.3	
2015		12199	Montana Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	3	9.1	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, more than 50 percent complete	9.3	
2015		58477	Olin Energy, Inc	IPP	Montgomery Solar LLC	NE	58649	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0	
2015		58589	Oxley Energy Charlotte	IPP	Oxley Energy Charlotte	NC	58638	1	5.2	Other Waste Biomass	OBG	BT	(U) Under construction, less than or equal to 50 percent complete	5.2	
2015		14386	Palm Springs City of	Commercial	Manzanita Gas Plant	CA	58674	GEN1A	1.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.2	
2015		58602	Roadblock Energy LLC	IPP	Roadblock Energy LLC	PA	58715	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.2	
2015		58602	Roadblock Energy LLC	IPP	Roadblock Energy LLC	PA	58715	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.2	
2015		58602	Roadblock Energy LLC	IPP	Roadblock Energy LLC	PA	58715	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.2	
2015		58602	Roadblock Energy LLC	IPP	Roadblock Energy LLC	PA	58715	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.2	
2015		58602	Roadblock Energy LLC	IPP	Roadblock Energy LLC	PA	58715	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.2	
2015		58612	Shannon Wind LLC	IPP	Shannon Wind	TX	59034	SVAN1	204.0	Onshore Wind Turbine	WIND	WT	(V) Under construction, more than 50 percent complete	204.0	
2015		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		59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK2	27.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	27.0	
2015		59656	SunE Solar XVII Project 3, LLC	IPP	Fodder's Canyon 3	UT	59932	FD3	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0	
2015		59658	Sunlight Partners	IPP	Elana Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0	
2015		19260	Surgeon Valley Electrification	Electric Utility	Posityr Geothermal Generating Plant	OR	55352	SVSP1	1.0	Geothermal	GEOT	ST	(TS) Construction complete, but not yet in commercial operation	3.2	
2015		59661	Sustainable Power Group, LLC	IPP	Haywood Solar	CA	59009	PV1	27.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	27.0	
2015		59661	Sustainable Power Group, LLC	IPP	Sierra Solar Greenworks	CA	59431	SV01	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0	
2015		59661	Sustainable Power Group, LLC	IPP	Woodhams Solar Farm	CA	59008	PV1	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	15.0	
2015		59662	Therion Solar Wind, LLC	IPP	Therion Solar Wind, LLC	ND	59662	THSW1	190.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	190.0	
2015		56041	Tongshou Solar Energy	IPP	Concord Dunes Solar Energy	NV	57275	TSH-1	110.0	Solar Thermal with Energy Storage	SUN	GP	(U) Under construction, more than 50 percent complete	160.0	
2015		59718	West Chicago Battery Storage LLC	IPP	Elwood Energy Storage Center	IL	99959	WCBS	19.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	19.0	
2015		59817	West Salisbury Farm LLC	IPP	West Salisbury Farm LLC	NE	59111	GEN1	1	5.0	Solar Photovoltaic	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	5.0
2015		40577	American Mun Power Co., Inc	Electric Utility	Amesbury Hydroelectric Plant	VT	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3	
2015		40577	American Mun Power Co., Inc	Electric Utility	Wilcox Island Hydroelectric Plant	VT	57401	SV1	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0	
2015		57389	KEA Property Inc	Commercial	Apple Data Center PV3	NC	59474	GEN1	17.0						

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

Year	Month	Entity ID	Entity Name	Plant Producer	Plant Name	Plant State	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source	Prime Mover	Status	Net Nameplate Capacity (MW)	
2015	11	58877	Blue Heron Hydro LLC	IPP	Townsend Hydro	VT	9089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townsend Hydro	VT	9089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townsend Hydro	VT	9089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	30446	Duke Energy Progress - (NCG)	Electric Utility	DD Fayetteville Solar NC LLC	NC	89117	PV1	23.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	23.1
2015	11	67170	EDF Renewables Asset Holdings, Inc.	IPP	Goodwin Wind Project (IA)	IA	98926	GWPPW	200.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	59180	Enel Green Power NA, Inc.	IPP	Goodwin Wind Project (IA)	IA	98926	GWPPW	200.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	58862	Fair Wind Power Partners	IPP	Fair Wind Power	MD	99147	1	30.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	30.0
2015	11	69156	First Wind OMA LLC	IPP	South Plains Wind Phase 1	TX	93084	1	200.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	200.0
2015	11	58873	Green Energy Team LLC	IPP	Bonmas to Energy Facility, Kauai	HI	93035	MAK1	8.3	Other Waste Biomass	AB	BT	(U) Under construction, more than 50 percent complete	8.3
2015	11	58891	Jericho Power LLC	IPP	Jericho Power	NH	98070	WT 1	12.1	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	14.3
2015	11	58927	Katy Wind LLC	IPP	Katy Wind LLC	TX	93663	KND1	200.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	84478	LEPA1	59.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, more than 50 percent complete	64.0
2015	11	58461	McCoy Solar LLC	IPP	McCoy Solar Energy Project	CA	84662	BLK5	31.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	31.4
2015	11	58461	McCoy Solar LLC	IPP	McCoy Solar Energy Project	CA	84662	BLK6	26.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.0
2015	11	12341	Madisonian Energy Co	Electric Utility	Highland Wind Project (IA)	IA	98853	HLW97	98.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	93.0
2015	11	56990	NJR Clean Energy Ventures Corporation	IPP	Alexander Wind Farm LLC	KS	88666	1	48.3	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete	48.3
2015	11	59212	ODP Renew Inc./Investment	IPP	P-Rain	CA	93456	R136	4.0	Natural Gas Fired Combined Turbine	NG	GT	(T) Regulatory approvals pending, but not yet in commercial operation	4.0
2015	11	59274	SR Houshurst, LLC	IPP	SR Houshurst	CA	93535	HALE1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	11	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	98644	BLK3	37.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	37.2
2015	11	11699	Southern California Edison Co	Electric Utility	Yachatsch Energy Storage Project	CA	99651	BNP1	8.0	Battery	MBHA	BA	(T) Construction complete, but not yet in commercial operation	8.0
2015	11	59716	SunEd DB24 LLC	IPP	Milford 2	UT	99594	ML2	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	11	59661	Sustainable Power Group, LLC	IPP	Lewyemuth Greenworks LLC	NY	99276	LEAGV	9.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.0
2015	11	59661	Sustainable Power Group, LLC	IPP	SEPV 18	CA	99730	SPV18	7.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.0
2015	11	56604	Thermo N 1 BE Oil LLC	IPP	Thermo N1 Solar PV-01	UT	99863	CSAR	2.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	2.9
2015	12	40577	American Mun Power Co., Inc.	Electric Utility	Carrollton Hydroelectric Plant	KY	97399	SOL9	29.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete	29.3
2015	12	58703	Avista One LLC	IPP	Avista One	NC	98820	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV2	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV3	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV4	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV5	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV6	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV7	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV8	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV9	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV10	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV11	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV12	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV13	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV14	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV15	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV16	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV17	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV18	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV19	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV20	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV21	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV22	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV23	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV24	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV25	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV26	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV27	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV28	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV29	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV30	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV31	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV32	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV33	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV34	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV35	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV36	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV37	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV38	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV39	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV40	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV41	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV42	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV43	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV44	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV45	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV46	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV47	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV48	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV49	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV50	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV51	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV52	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV53	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV54	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV55	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV56	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV57	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV58	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV59	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV60	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy Solutions, LLC	IPP	Karavansol Solar 2, LLC	NC	98803	INV61	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete	0.5
2015	12	58604	Argent Energy											

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

Year	Month	Entity ID	Entity Name	Plant State	Plant Name	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source	Prime Mover	Status	Nonspare Capacity (MW)	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG10	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG2	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG3	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG4	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG5	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG6	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG7	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG8	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	08614	MDG9	0.6	Petroleum/Liquids	DFO	(T) Regulatory approvals received. Not under construction	0.6	
2015	12	59143	Old Mill Solar	IPP	Old Mill Solar	OR	09374	CMSLR	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59417	Panola Liberty O&M LLC	IPP	Panola Liberty Generation Plant	GA	09420	GEN1	30.2	Natural Gas Fired Combined Cycle	NG	CC (U) Under construction, more than 50 percent complete	49.0	
2015	12	59510	Piedmonting Windpark LLC	IPP	Piedmonting Windpark LLC	ME	09222	G307	39.9	Onshore Wind Turbine	WIND	WT (U) Under construction, more than 50 percent complete	39.9	
2015	12	56645	Pattern Operations LP	IPP	Flowler Ridge IV Wind Farm LLC	IN	09457	1	150.0	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	150.0	
2015	12	56855	Performance Services	IPP	Parish Energy Park	IN	07516	1	20.0	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	20.0	
2015	12	59186	Pleasant Hill Wind Energy LLC	IPP	Pleasant Hill Wind Energy Project	TX	09417	W01	20.0	Onshore Wind Turbine	WIND	WT (U) Under construction, more than 50 percent complete	20.0	
2015	12	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	08284	9007	40.2	Natural Gas Fired Combustion Turbine	NG	GT (U) Under construction, more than 50 percent complete	42.3	
2015	12	15477	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	08284	9008	40.2	Natural Gas Fired Combustion Turbine	NG	GT (U) Under construction, more than 50 percent complete	42.3	
2015	12	59514	River Mountains Solar, LLC	IPP	River Mountains Solar	NV	09747	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	09847	AERO	12.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	12.0	
2015	12	59438	Sandwich Wind Energy, LLC	IPP	Sandwich Wind Energy	TX	09554	1	78.0	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	78.0	
2015	12	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	08644	BLK4	36.7	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	36.7	
2015	12	59734	Solar Star Colorado III, LLC	IPP	Hogler Solar	CO	02008	SCC03	52.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	52.0	
2015	12	59874	Sonne One, LLC	IPP	Sonne One	NC	08782	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	17600	Southern Power Co	IPP	Butler Solar Farm 20	GA	08901	1	20.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	20.0	
2015	12	17600	Southern Power Co	IPP	Decatur County Solar Project	GA	04449	DCSP1	20.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	20.0	
2015	12	17600	Southern Power Co	IPP	Decatur Parkway Solar Project, LLC	GA	04400	DCSP1	20.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	20.0	
2015	12	17600	Southern Power Co	IPP	Paragale Solar Plant	GA	08904	1	30.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	30.0	
2015	12	59734	Surfman Farm LLC	IPP	Surfman Farm	NC	08864	1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Andrew Solar	NC	08720	PV1	3.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	3.0	
2015	12	59858	Sunlight Partners	IPP	Andrew Solar	NC	08497	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Angel Solar	NC	08731	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Autree Solar	NC	08732	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Beetle Solar	NC	08511	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Buddy Solar	NC	08735	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Cardinal Solar	NC	08499	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Carol Jean Solar	NC	08017	GEN1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Charlotte Solar	NC	08722	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Ches Solar	NC	08508	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Flash Solar	NC	08726	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Hesky Solar	NC	08512	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Hesky Solar	NC	08510	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Jacob Solar	NC	08503	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Kearney Solar	NC	08507	PV1	3.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	3.0	
2015	12	59858	Sunlight Partners	IPP	Mia Solar	NC	08738	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Minnie Solar	NC	08740	PV1	3.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	3.0	
2015	12	59858	Sunlight Partners	IPP	Murkin Solar	NC	08506	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Orem Solar	NC	08742	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Quincy Solar	NC	08508	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Shadow Solar	NC	08744	PV1	3.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	3.0	
2015	12	59858	Sunlight Partners	IPP	Shapiro Solar	NC	08745	PV1	4.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	4.0	
2015	12	59858	Sunlight Partners	IPP	Star Solar	NC	08746	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Star David Solar	NC	08505	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59858	Sunlight Partners	IPP	Tracy Solar	NC	08747	PV1	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59861	Sustainable Power Group, LLC	IPP	Clizen B	GA	09738	CSB	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59861	Sustainable Power Group, LLC	IPP	Long Wind Park	NC	09739	CSB	5.0	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	59861	Sustainable Power Group, LLC	IPP	Sandstone Solar	AZ	09851	SNST57	45.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	45.0	
2015	12	59870	TWE Kafford Solar Project, LLC	IPP	Kafford	NC	09786	FLS1	4.7	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	16444	Tennessee Valley Authority	Electric Utility	Alva Solar	AL	09788	1	1.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	1.0	
2015	12	59912	Turbine Solar, LLC	IPP	Turbine Solar	NC	0868	SMNPV	5.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	5.0	
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST (U) Under construction, more than 50 percent complete	1,269.9	
2015	12	59902	Utah Red Hills Renewable Energy Park, LLC	IPP	Utah Red Hills Renewable Energy Park	UT	08608	1	80.0	Solar Photovoltaic	SUN	PV (U) Under construction, more than 50 percent complete	80.0	
2015	12	59900	Vanco Solar Farm, LLC	IPP	Vanco Solar Farm, LLC	NC	09928	NB307	1	Regulatory approvals pending. Not under construction	SUN	PV	(P) Regulatory approvals pending. Not under construction	1.0
2015	12	19876	Virginia Electric & Power Co	Electric Utility	Merck	VA	09000	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	09000	1	1.0	Solar Photovoltaic	SUN	PV (U) Under construction, less than or equal to 50 percent complete	1.0	
2015	12	59116	WEED Country Six, LLC	IPP	WEED Country 6	RI	09313	COV05	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59108	WEED Country Four, LLC	IPP	WEED Country 4	RI	09306	WEDC4	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59105	WEED Country One, LLC	IPP	WEED Country 1	RI	09301	WEDC1	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59117	WEED Country Six, LLC	IPP	WEED Country 6	RI	09314	COV06	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59117	WEED Country Six, LLC	IPP	WEED Country 6	RI	09314	COV06	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59117	WEED Country Six, LLC	IPP	WEED Country 6	RI	09314	COV06	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59107	WEED Country Three, LLC	IPP	WEED Country 3	RI	09306	WEDC3	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	WT (U) Under construction, less than or equal to 50 percent complete	1.5	
2015	12	59106	WEED Country Two, LLC	IPP	WEED Country 2	RI	09302	COV02	1.5	Onshore Wind Turbine	WIND	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 ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	6	56889	Dominion Cove Point LNG LP	Commercial	Cove Point LNG Terminal	MD	09073	SEG	1.0 Petroleum/Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.0
2016	6	56910	ExxonMobil, Inc.	PP	Grandy PV 1	NC	09016	GRAND	20.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	56910	ExxonMobil, Inc.	PP	Marathon PV 1	NC	09020	MAR	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	56860	Empire District Electric Co	Electric Utility	Riverston	AS	1230	12-2	138.0 Natural Gas Fired Combined Cycle	NG	GT	(U) Under construction, less than or equal to 50 percent complete	260.0
2016	6	56921	Empire Wind Farm LLC	PP	Van Wyke Wind Farm LLC	NY	09021	WYF	127.0 Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	56892	Fluor-Knab LLC	PP	Fluor-Knab	PA	08821	GEN1	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56892	Fluor-Knab LLC	PP	Fluor-Knab	PA	08821	GEN2	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56892	Fluor-Knab LLC	PP	Fluor-Knab	PA	08821	GEN3	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56892	Fluor-Knab LLC	PP	Fluor-Knab	PA	08821	GEN4	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56892	Fluor-Knab LLC	PP	Fluor-Knab	PA	08821	GEN5	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	6462	Florida Power & Light Co	Electric Utility	Plant Everglades	FL	6102	EA	1,260.0 Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than 50 percent complete	296.0
2016	6	6462	Florida Power & Light Co	Electric Utility	Plant Everglades	FL	6117	EB	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than 50 percent complete	296.0
2016	6	6462	Florida Power & Light Co	Electric Utility	Plant Everglades	FL	6117	EC	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than 50 percent complete	296.0
2016	6	6462	Florida Power & Light Co	Electric Utility	Plant Everglades	FL	6117	ED	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than 50 percent complete	296.0
2016	6	56909	Fremont Farm LLC	PP	Fremont Farm	NC	09103	-1	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	25438	Front Power Authority	PP	Plant Hydro Facility	CA	03093	R02	9.0 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6.9
2016	6	59403	Gaucha Solar LLC	PP	Gaucha Solar	NC	09209	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59403	Gaucha Solar LLC	PP	Gaucha Solar	NC	09462	MMVPU	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	71140	Georgia Power Co	Electric Utility	Fort Belvoir Solar Facility	GA	09862	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	PP	Guernsey Holdings	NC	09214	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59000	Hooper Holdings LLC	PP	Hooper Holdings	NC	09218	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	56894	Hop Bottom Energy LLC	PP	Hop Bottom	PA	08800	GEN1	4.2 Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56894	Hop Bottom Energy LLC	PP	Hop Bottom	PA	08800	GEN2	4.2 Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56894	Hop Bottom Energy LLC	PP	Hop Bottom	PA	08800	GEN3	4.2 Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56894	Hop Bottom Energy LLC	PP	Hop Bottom	PA	08800	GEN4	4.2 Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	56894	Hop Bottom Energy LLC	PP	Hop Bottom	PA	08800	GEN5	4.2 Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	6	59440	Innovative Solar 23	PP	Innovative Solar 23	NC	09670	IS023	1.8 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.9
2016	6	59442	Innovative Solar 33	PP	Innovative Solar 33	NC	09672	IS033	30.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	6	59443	Innovative Solar 34	PP	Innovative Solar 34	NC	09673	IS034	4.2 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.4
2016	6	59435	Innovative Solar 37	PP	Innovative Solar 37	NC	09665	IS037	79.7 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	79.7
2016	6	59444	Innovative Solar 38	PP	Innovative Solar 38	NC	09674	IS038	34.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	34.0
2016	6	59445	Innovative Solar 44	PP	Innovative Solar 44	NC	09675	IS044	4.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.4
2016	6	59441	Innovative Solar 46	PP	Innovative Solar 46	NC	09671	IS046	79.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	79.5
2016	6	59436	Innovative Solar 47	PP	Innovative Solar 47	NC	09666	IS047	33.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.0
2016	6	59437	Innovative Solar 48	PP	Innovative Solar 48	NC	09667	IS048	4.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.4
2016	6	59438	Innovative Solar 53	PP	Innovative Solar 53	NC	09668	IS053	40.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	6	59439	Innovative Solar 54	PP	Innovative Solar 54	NC	09669	IS054	50.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	6	59446	Innovative Solar 55	PP	Innovative Solar 55	NC	09670	IS055	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2016	6	59447	Innovative Solar 64	PP	Innovative Solar 64	NC	09677	IS064	4.9 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2016	6	59448	Innovative Solar 67	PP	Innovative Solar 67	NC	09678	IS067	33.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.0
2016	6	59449	Innovative Solar 68	PP	Innovative Solar 68	NC	09679	IS068	18.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	18.0
2016	6	59401	Jameville Solar LLC	PP	Jameville Solar	NC	09640	MMVPU	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	56913	Longhorn Holdings, LLC	PP	Longhorn Holdings	NC	09781	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59343	Marathon East Solar PV, LLC	PP	Marathon East Solar	PA	08800	MESES	18.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	18.0
2016	6	56451	McGow Solar, LLC	PP	McGow Solar Energy Project	CA	08462	BLK3	39.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	39.0
2016	6	56899	Man Energy LLC	PP	Man	PA	08818	GEN1	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56899	Man Energy LLC	PP	Man	PA	08818	GEN2	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56899	Man Energy LLC	PP	Man	PA	08818	GEN3	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56899	Man Energy LLC	PP	Man	PA	08818	GEN4	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56899	Man Energy LLC	PP	Man	PA	08818	GEN5	4.2 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	56898	Mount Olive Solar LLC	PP	Mount Olive Solar	NC	09508	2MMVPU	2.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	6	54888	NRG Texas Power LLC	PP	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	PP	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	PP	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	PP	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	PP	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	PP	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	56909	New American Energy Company, LLC	PP	Windward Trust	CA	04268	WT028	1.0 Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	6	59404	Seaboard Solar LLC	PP	Seaboard Solar LLC	NC	09643	MMVPU	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	56492	Seville Solar Two LLC	PP	Seville 2	CA	09723	SEV2	30.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	6	56204	Sonne Two, LLC	PP	Sonne Two	NC	09629	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN091	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN092	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN093	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN094	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN095	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN096	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN097	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN098	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN099	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN100	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN11	18.0 Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17983	South Texas Electric Coop, Inc.	Electric Utility	Red Gate Power Plant	TX	09391	EN12	18.0 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	PP	Soy Solar	NC	09571	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	18125	Silverstar Utilities Authority	Electric Utility	Silverstar Energy Center	OK	06647	1	18.0 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18125	Silverstar Utilities Authority	Electric Utility	Silverstar Energy Center	OK	06647	2	18.0 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18126	Silverstar Utilities Authority	Electric Utility	Silverstar Energy Center	OK	06647	3	18.0 Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	56861	Sustainable Power Group, LLC	PP	Lancaster WAD B	CA	09739	LWAD08	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	56861	Sustainable Power Group, LLC	PP	Western Antelope Blue Sky B	CA	09961	WAB09	20.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	56909	TWE Ahwahie Solar Project, LLC	PP	Ahwahie	CA	09796	FLS1	5.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	6	59511	Tygon Holdings	PP	Tygon Holdings	NC	09217	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	54906	Transtar Energy, Inc.	PP	Drift Bend Wind Project LLC	OK	03066	WT1	109.0 Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	109.0
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Ten Fals (W)	WI	09836	11	4.8 Conventional Hydroelectric	WAT	HY	(U) Under construction, less than 50 percent complete	4.8
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Ten Fals (W)	WI	09836	12	4.8 Conventional Hydroelectric	WAT	HY	(U) Under construction, less than 50 percent complete	4.8
2016	6	40977	American Man Power Ohio, Inc.	Electric Utility	Smithland Hydroelectric Plant	CA	09620	SMH	10.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	6	56769	Consolidated Edison Development Inc.	PP	Oro Loma	CA	09915	ORCA	20.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	6	59155	First Wind OMA, LLC	PP	Escalante Solar 1, LLC	UT	09387	ESC31	80.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	6	9324	Indiana Michigan Power Co	Electric Utility	Ten Branch PV	IN	09861	TBPV1	2.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2016	6	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	07307	1	2.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than 50 percent complete	2.0
2016	6	59342	Maricopa West Solar PV 2, LLC	PP	Maricopa West Solar 2	CA	09808	MMW2	20.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	59408	CCO Solar Power	PP	CCO Solar 1, LLC	TX	09206	CCS1	10.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	56861	Sustainable Power Group, LLC	PP	Aspiration G	CA	09737	ASPRG	9.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.0
2016	6	56861	Sustainable Power Group, LLC	PP	Elevation Solar C	CA	09964	ELVSC	40.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	6	56861	Sustainable Power Group, LLC	PP	Hecate Energy Reason Solar 1	CA	09316	BEAC1	86.0 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	86.0
2016	6	56861	Sustainable Power Group, LLC	PP	Hecate Energy Reason Solar 3	CA	09316	BEAC3	86.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received	

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

Year	Month	Entry ID	Entry Name	Plant Producer	Plant Name	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	8	59728	RE Astoria 2 LLC	IPP	RE Astoria 2	CA	59977	ASTR2	75.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	75.0
2016	8	59727	RE Astoria LLC	IPP	RE Astoria	CA	59976	ASTR1	100.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	100.0
2016	8	59109	SUN&E BEACON SITE 2, LLC	IPP	Beacon Solar Plant Site 2	CA	59909	BEAC2	48.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	48.0
2016	8	55518	Aspenia Wind Energy USA LLC	IPP	San Roman Wind LLC	TX	59712	SRW10	33.0	Onshore Wind Turbine	WIND_WT	(L) Regulatory approvals received. Not under construction	33.0
2016	9	59113	Avista Electric LightPower Co	Electric Utility	Avista Plant	IA	59773	AVL10	15.0	Onshore Wind Turbine	WIND_WT	(L) Regulatory approvals received. Not under construction	25.0
2016	9	40777	American Mun Power-Ops, Inc.	Electric Utility	Stratford Hydroelectric Plant	NY	57400	SG2	25.3	Conventional Hydroelectric	WAT_HY	(V) Under construction, more than 50 percent complete	25.3
2016	9	59192	Amey Energy, LLC	IPP	Amey Energy LLC	PA	59418	GEN1	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amey Energy, LLC	IPP	Amey Energy LLC	PA	59418	GEN2	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amey Energy, LLC	IPP	Amey Energy LLC	PA	59418	GEN3	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amey Energy, LLC	IPP	Amey Energy LLC	PA	59418	GEN4	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59192	Amey Energy, LLC	IPP	Amey Energy LLC	PA	59418	GEN5	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59460	Autostar Solar LLC	IPP	Autostar Solar	NE	59707	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59520	BWC Origination & LLC	IPP	BlueWave Capital Marketplace (SRBC II)	MA	59753	1	0.8	Solar Photovoltaic	SUN_PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	9	59587	Bayless Energy LLC	IPP	Bayless	PA	59816	GEN2	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59587	Bayless Energy LLC	IPP	Bayless	PA	59816	GEN3	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59587	Bayless Energy LLC	IPP	Bayless	PA	59816	GEN4	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59587	Bayless Energy LLC	IPP	Bayless	PA	59816	GEN5	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	59587	Bayless Energy LLC	IPP	Bayless	PA	59816	GEN6	4.2	Natural Gas Internal Combustion Engine	NG_IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	9	11268	City of Lowell - (M)	Electric Utility	Chatham	MA	58254	CTGR2	3.2	Natural Gas Fired Combustion Turbine	NG_GT	(U) Under construction, less than or equal to 50 percent complete	3.6
2016	9	59570	Ecogreus, Inc.	IPP	Yurley Creek PV1	NC	60000	TRNC2	13.5	Solar Photovoltaic	SUN_PV	(P) Planned for installation, but regulatory approvals not initiated	13.5
2016	9	59570	Ecogreus, Inc.	IPP	Vaughn Creek PV1	NC	60001	VNCRK	20.0	Solar Photovoltaic	SUN_PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	9	59745	First Solar Asset Management	IPP	Saltville Solar	NV	58646	STL	299.0	Solar Photovoltaic	SUN_PV	(U) Under construction, less than or equal to 50 percent complete	299.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 1, LLC	CA	59870	GEN01	20.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 2, LLC	CA	59885	GEN01	20.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59481	Franklin Solar LLC	IPP	Franklin Solar	NC	59708	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59591	Greys Green Energy	IPP	Bradford Lock and Dam	PA	59509	GEN1	5.0	Conventional Hydroelectric	WAT_HY	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59716	Imperial Irrigation District	Electric Utility	El Centro	CA	389	REES	28.0	Batteries	MWH_BA	(T) Regulatory approvals received. Not under construction	30.0
2016	9	59528	Infogen Energy US Development LLC	IPP	Rio Bravo Solar 1 LLC	CA	59249	PV1	19.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59528	Infogen Energy US Development LLC	IPP	Wildcat Solar 1	CA	59250	PV1	19.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59580	Lufkin Solar LLC	IPP	Lufkin Solar	NE	59921	SMWPV	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	IMPF	20.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59585	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTC1	87.0	Natural Gas Fired Combustion Turbine	NG_CT	(T) Regulatory approvals received. Not under construction	87.0
2016	9	59585	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTC2	87.0	Natural Gas Fired Combustion Turbine	NG_CT	(T) Regulatory approvals received. Not under construction	87.0
2016	9	59585	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTC3	87.0	Natural Gas Fired Combustion Turbine	NG_CT	(T) Regulatory approvals received. Not under construction	87.0
2016	9	59585	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTC4	87.0	Natural Gas Fired Combustion Turbine	NG_CT	(T) Regulatory approvals received. Not under construction	87.0
2016	9	59585	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTC5	87.0	Natural Gas Fired Combustion Turbine	NG_CT	(T) Regulatory approvals received. Not under construction	87.0
2016	9	59713	Potomac Hills Energy Producers, LLC	IPP	Potomac Hills Energy Producers	NE	59952	1	1.6	Landfill Gas	LFG_IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potomac Hills Energy Producers, LLC	IPP	Potomac Hills Energy Producers	NE	59952	2	1.6	Landfill Gas	LFG_IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potomac Hills Energy Producers, LLC	IPP	Potomac Hills Energy Producers	NE	59952	3	1.6	Landfill Gas	LFG_IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potomac Hills Energy Producers, LLC	IPP	Potomac Hills Energy Producers	NE	59952	4	1.6	Landfill Gas	LFG_IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potomac Hills Energy Producers, LLC	IPP	Potomac Hills Energy Producers	NE	59952	5	1.6	Landfill Gas	LFG_IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59583	RE Mustang LLC	IPP	RE Mustang LLC	PA	59750	GEN1	5.0	Solar Photovoltaic	SUN_PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	9	59741	RE Rosecroft	IPP	RE Rosecroft	TX	59994	ROSEK	157.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	160.0
2016	9	59750	RE Transcity LLC	IPP	RE Transcity	CA	59939	TD	200.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	200.0
2016	9	59562	Rosewood Fuel and Coal LLC	Commercial	Rosewood WVOCP Fuel Cell	NE	59971	1	0.8	Other Waste Biomass	OWB	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	9	59581	Sunfield Solar LLC	IPP	Sunfield Solar LLC	NE	59920	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59555	South Louisiana Solar LLC	IPP	South Louisiana Solar	NE	59825	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59448	Sustainable Renewable Parks, LLC	IPP	RE: Burlington Energy Advanced Bioenergy	NE	59991	OWB1	12.0	Other Waste Biomass	OWB	(U) Under construction, less than or equal to 50 percent complete	14.0
2016	9	58336	Summit Energy Solutions, LLP	IPP	Summit Doyle Wind	KS	58976	SNWND	200.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	9	59598	Trairie Wind One LLC	IPP	Trairie Wind One LLC	OK	59296	NWCH1	100.0	Onshore Wind Turbine	WIND_WT	(T) Regulatory approvals received. Not under construction	100.0
2016	9	59598	Trairie Wind One LLC	IPP	Trairie Wind One LLC	OK	59296	NWCH2	100.0	Onshore Wind Turbine	WIND_WT	(T) Regulatory approvals received. Not under construction	100.0
2016	9	59442	WM Renewable Energy LLC	IPP	Waste Management Tr Cities LGFTE	CA	57164	GEN1	1.6	Landfill Gas	LFG_IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	9	59442	WM Renewable Energy LLC	IPP	Waste Management Tr Cities LGFTE	CA	57164	GEN2	1.6	Landfill Gas	LFG_IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	9	59758	American Falls Solar 1 LLC	IPP	American Falls Solar 1	NE	59942	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59757	American Falls Solar 2 LLC	IPP	American Falls Solar 2	NE	59943	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59757	American Falls Solar 3 LLC	IPP	American Falls Solar 3	NE	59944	SMWPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	40777	American Mun Power-Ops, Inc.	Electric Utility	Stratford Hydroelectric Plant	NY	57400	SG2	25.3	Conventional Hydroelectric	WAT_HY	(V) Under construction, more than 50 percent complete	25.3
2016	9	57589	Apple, Inc.	Industrial	Apple Campus 2 Fuel Cell	CA	59557	AC2FC	4.0	Other Waste Biomass	OWB	(L) Regulatory approvals pending. Not under construction	4.0
2016	9	57589	Apple, Inc.	Industrial	Apple Campus 2 PV	CA	59473	AC2PV	14.4	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	14.4
2016	9	59589	Arroyo Holdings, LLC	IPP	Arroyo	NE	59782	PV1	1.6	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	1.6
2016	9	59594	Black Oak Wind Farm LLC	IPP	Black Oak Wind Farm	NY	59813	NA	16.1	Onshore Wind Turbine	WIND_WT	(L) Regulatory approvals pending. Not under construction	16.1
2016	9	59155	Black Wind O&M LLC	IPP	Escalante Solar II, LLC	UT	59388	ESCSC	80.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	9	59155	Black Wind O&M LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCSC	80.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	9	59248	Blue Pointe Solar Park, LLC	IPP	Blue Pointe Solar Park	CA	59623	FRPSP	8.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	8.0
2016	9	59332	Georgia-Pacific Brethren Mill	Industrial	Georgia-Pacific Brethren Mill	AL	54789	RTD	62.0	Wood/Wood Waste Biomass	BLG_BT	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	9	59257	Gifford Solar Park, LLC	IPP	Gifford Solar Park	CA	59522	FRG	1.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	1.0
2016	9	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	9	9324	Indiana Michigan Power Co	Electric Utility	OlneyPV	IN	59554	OLNPV	5.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	9324	Indiana Michigan Power Co	Electric Utility	Wheatfield PV	IN	59553	WVNPV	4.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	4.0
2016	9	49893	Inveney Services LLC	IPP	Wake Wind Energy Center	TX	58766	1	129.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	129.0
2016	9	49893	Inveney Services LLC	IPP	Wake Wind Energy Center	TX	58766	2	109.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	109.0
2016	9	49893	Inveney Services LLC	IPP	Wake Wind Energy Center	TX	58766	3	61.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	61.0
2016	9	58815	KDC Solar RTC, LLC	IPP	Duluth Road Landfill	NJ	58951	DRLS	9.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	9.0
2016	9	59552	Leonards Wind 1 LLC	IPP	Leonards Wind 1 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59552	Leonards Wind 2 LLC	IPP	Leonards Wind 2 LLC	IA	59229	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	58849	Marathon North West LLC	IPP	Marathon North West LLC	TX	59006	MAR1	150.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2016	9	58849	Marathon North West LLC	IPP	Marathon North West LLC	TX	59006	MAR2	80.0	Onshore Wind Turbine	WIND_WT	(P) Planned for installation, but regulatory approvals not initiated	160.0
2016	9	59526	Michels Energy Wind 1 LLC	IPP	Michels Energy Wind 1 LLC	IA	59221	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	58887	Michels Energy Wind 2 LLC	IPP	Michels Energy Wind 2 LLC	IA	59053	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59527	Michels Energy Wind 3 LLC	IPP	Michels Energy Wind 3 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59524	North Star Solar PV LLC	IPP	North Star Solar Project	MN	59852	NSSPV	100.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	9	59525	Optimum Wind 3 LLC	IPP	Optimum Wind 3 LLC	IA	59227	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59524	Optimum Wind 4 LLC	IPP	Optimum Wind 4 LLC	IA	59226	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59517	Optimum Wind 5 LLC	IPP	Optimum Wind 5 LLC	IA	59223	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59518	Optimum Wind 6 LLC	IPP	Optimum Wind 6 LLC	IA	59224	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	9	59519	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, more than 50 percent complete	3.0
2016	9	59756	Parsons, LLC	IPP	Parsons Ranch Solar	CA	59620	PARPV	5.0	Solar Photovoltaic	SUN_PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59588	Parsons, LLC	IPP	Hennetts Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN_PV	(T) Regulatory approvals received. Not under construction	102.0
2016	9	59687	RE Austin Solar LLC	IPP	Plaguerfield Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN_PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2016	9	59681	Sustainable Power Group, LLC	IPP	Con Dios Solar 1	CA	59264	CON1	1.0	Solar Photovoltaic	SUN_PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2016	9	59681	Sustainable Power Group, LLC	IPP	Con Dios Solar 2	CA	59263	CON2	1.0	Solar Photovoltaic	SUN_PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2016	9	59566	Ti Global Energy, LLC	IPP	Beckart	TX	59772	BRKAT	240.0	Onshore Wind Turbine	WIND_WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	9	59561	Trousdale Energy Center LLC	IPP	Trousdale Energy Center	OR	59396	PLGEN	62.0	Natural Gas Fired Combined Cycle			

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	Prime Mover	Status	Nameplate Capacity (MW)
2016	12	59193	Basesswood Energy, LLC	IPP	Basesswood Energy, LLC	PA	09420	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basesswood Energy, LLC	IPP	Basesswood Energy, LLC	PA	09420	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basesswood Energy, LLC	IPP	Basesswood Energy, LLC	PA	09420	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basesswood Energy, LLC	IPP	Basesswood Energy, LLC	PA	09420	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basesswood Energy, LLC	IPP	Basesswood Energy, LLC	PA	09420	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59653	Black Oak Wind Farm	IPP	Black Oak Wind Farm	MN	08652	GEN1	1	79.9 Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	79.9
2016	12	59365	Capital Power Corporation	IPP	CP Bloom Wind LLC	KS	09888	GEN1	180.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	180.0
2016	12	59369	Chickasaw Ranch Wind LLC	IPP	Chickasaw Ranch Wind LLC	TX	09193	CHW1	28.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	28.0
2016	12	59391	Chickasaw Wind Farm LLC	IPP	Chickasaw Wind Farm	OK	09408	1	76.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2016	12	59391	Chickasaw Wind Farm LLC	IPP	Chickasaw Wind Farm	OK	09408	2	76.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2016	12	4180	Connecticut Mun. Elec. Enrgy Coop.	Electric Utility	Subsea Microgrid Project	CT	09701	SMR1	2.0	Petroleum Liquids	DFO	LC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun. Elec. Enrgy Coop.	Electric Utility	Subsea Microgrid Project	CT	09701	SMR2	2.0	Petroleum Liquids	DFO	LC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun. Elec. Enrgy Coop.	Electric Utility	Subsea Microgrid Project	CT	09701	SMR3	2.0	Petroleum Liquids	DFO	LC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun. Elec. Enrgy Coop.	Electric Utility	Subsea Microgrid Project	CT	09701	SMR4	2.0	Petroleum Liquids	DFO	LC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	58544	Cornishagen Wind Farm, LLC	IPP	Cornishagen Wind Farm	NY	08979	CPH2N	79.9	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	79.9
2016	12	58695	Coronal Development Services	IPP	Fusion Solar Center LLC	CV	08876	PV	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	20.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center I	FL	09690	GS-C1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	30.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center II	FL	09690	GS-C2	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	40.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center III	FL	09691	GS-C3	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	50.0
2016	12	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	09672	PV1	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	16.0
2016	12	5108	DTE Electric Company	Electric Utility	Echo Wind Park	MI	08121	GEN3	50.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, but regulatory approvals not initiated	50.0
2016	12	58989	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	09073	5STA	40.0	AS-Other	WH	CA	(L) Regulatory approvals received, but regulatory approvals not initiated	40.0
2016	12	58989	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	09073	5STB	40.0	AS-Other	WH	CA	(L) Regulatory approvals received, but regulatory approvals not initiated	40.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Colbeck's Corner, LLC	TX	09068	GVB	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Grandview Wind Farm II LLC	TX	09067	GVB	180.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	180.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Maple Valley Wind Farm I	TX	09066	MV1	230.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	230.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Sheila Wind Farm	TX	09064	WT1	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Sheila Wind Farm II	TX	09064	WT1	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Tam Forks Wind Farm LLC	TX	09063	WT1	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	56215	E.ON Climate Renewables N. America LLC	IPP	Vici Wind Farm	OK	09062	VCI	104.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	104.0
2016	12	58970	Ecopneus, Inc.	IPP	Baker PV1	NC	09517	BAK1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	5.0
2016	12	58970	Ecopneus, Inc.	IPP	Bertall Bridge PV1	NC	09516	BBT1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	5.0
2016	12	58970	Ecopneus, Inc.	IPP	Boekin PV1	NC	09996	ECOPK1	17.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	17.0
2016	12	58970	Ecopneus, Inc.	IPP	E Nash PV1	NC	09002	NASH1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	58970	Ecopneus, Inc.	IPP	East Meeks PV1	NC	09514	EM1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	3.0
2016	12	58970	Ecopneus, Inc.	IPP	High Shoals PV1	NC	09997	HSHD	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2016	12	58970	Ecopneus, Inc.	IPP	Round Hill PV1	NC	09998	RNDH1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	58970	Ecopneus, Inc.	IPP	Wilburton PV1	NC	09003	WBL1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Apple Blossom Wind Farm	MI	08690	APL81	100.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	100.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Courtney Wind Farm	MD	08658	1	200.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Luxatti Wind Project, LLC	MD	08694	LWP1	150.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	150.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Mustang Run Wind Project LLC	OK	09000	MWP1	136.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, but regulatory approvals not initiated	136.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	South Fork Wind Farm	MN	08691	SFW1	13.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	13.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Akagaw Wind Farm	NY	08778	1	477.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	477.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Cassadaga Wind Farm	NY	08777	1	125.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	125.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Coyote Creek Wind Farm	NY	08776	1	126.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	126.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Wicks, Thel Wind Project, LLC	NY	08775	1	80.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	80.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Mud Springs Wind Project, LLC	MT	09756	1	80.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	80.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Prior Caves Wind Project, LLC	MT	09757	1	80.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	80.0
2016	12	58672	Europeower Wind Holdings Inc.	IPP	Scotch Ridge Wind Farm	MT	09758	1	80.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	80.0
2016	12	56615	First Solar Project Development	IPP	Aiya Solar Project	NV	09869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	100.0
2016	12	56615	First Solar Project Development	IPP	North Rosamond Solar LLC	CA	08876	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	150.0
2016	12	56615	First Solar Project Development	IPP	Praye Solar	CA	08877	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	150.0
2016	12	56615	First Solar Project Development	IPP	Sunshine Valley Solar	NV	09826	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	100.0
2016	12	56615	First Solar Project Development	IPP	Windshole Solar LLC	CA	08878	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	20.0
2016	12	56615	First Solar Project Development	IPP	Windshole Solar & LLC	CA	09950	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	20.0
2016	12	59155	First Wind OBM, LLC	IPP	Brigham Wind	ME	07631	1	186.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	186.0
2016	12	59155	First Wind OBM, LLC	IPP	Knickerbocker Wind Plant	ME	07648	HANC1	51.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	51.0
2016	12	59155	First Wind OBM, LLC	IPP	Milford Wind Corridor Phase II	VT	07648	1	100.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	100.0
2016	12	59155	First Wind OBM, LLC	IPP	Milford South PV	VT	08281	1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	57441	Florida Municipal Electric Two Cities	Electric Utility	John Mennards CHP Plant	FL	09702	CTB1	127.0	Natural Gas Fuel Combustion Turbine	SUN	ST	(L) Regulatory approvals received, but regulatory approvals not initiated	127.0
2016	12	58140	Geacoe LLC	IPP	Geacoe Wind	MT	08175	WMP1	131.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	131.0
2016	12	7140	Georgia Power Co.	Electric Utility	Fort Gordon Solar Facility	GA	09863	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, but regulatory approvals not initiated	30.0
2016	12	7140	Georgia Power Co.	Electric Utility	Fort Stewart Solar Facility	GA	09865	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, but regulatory approvals not initiated	30.0
2016	12	7140	Georgia Power Co.	Electric Utility	Kings Bay Solar Facility	GA	09864	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, but regulatory approvals not initiated	30.0
2016	12	7140	Georgia Power Co.	Electric Utility	Marine Corps Logistics Base Solar Facility	GA	09876	1	48.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	48.0
2016	12	59633	Greene Plains Wind LLC	IPP	Greene Plains Wind Farm	NE	08965	1	400.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	400.0
2016	12	59633	Greene Plains Wind LLC	IPP	Great Bay Solar 1 LLC	MD	09851	GBS01	57.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	57.0
2016	12	56946	Hidage Wind Farm LLC	IPP	Hidage Wind Farm, LLC	TX	07617	GEN1	150.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	12	57278	Hidage Valley Solar LLC	IPP	Hidage Valley Solar Phase 2	CA	07996	1	1700.0	Solar Thermal without Energy Storage	SUN	ST	(L) Regulatory approvals received, but regulatory approvals not initiated	200.0
2016	12	9267	Hosmer Energy R.E.C. Inc.	Electric Utility	Decatur Co. Solar RES (H)	TX	09996	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hosmer Energy R.E.C. Inc.	Electric Utility	Hennerville Solar RES	IN	09986	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, but regulatory approvals not initiated	1.1
2016	12	9267	Hosmer Energy R.E.C. Inc.	Electric Utility	Johnson Co. Solar RES	IN	09996	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hosmer Energy R.E.C. Inc.	Electric Utility	Johnson Co. Solar RES	IN	09996	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hosmer Energy R.E.C. Inc.	Electric Utility	Spring Mill Solar RES	IN	09987	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	15326	Indeville Renewables Inc.	IPP	Tule Wind LLC	CA	07913	1	143.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received, but regulatory approvals not initiated	143.0
2016	12	59628	Infinion Energy US Development LLC	IPP	Aracoma Solar LLC	NM	09252	PV1	38.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	40.0
2016	12	59628	Infinion Energy US Development LLC	IPP	Caprock Solar 1 LLC	NM	09251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	25.0
2016	12	59628	Infinion Energy US Development LLC	IPP	Caprock Solar 2 LLC	NM	09464	PV1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	30.0
2016	12	59628	Infinion Energy US Development LLC	IPP	Rio Bravo Solar II LLC	CA	09250	PV1	19.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	20.0
2016	12	59678	KDC Solar PRL 1, LLC	IPP	KDC Solar PRL 1, LLC	NJ	09110	SP	22.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.0
2016	12	56911	Kalabasa Solar One LLC	IPP	Kalabasa Solar One	HI	07669	GEN1-A	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals received, but regulatory approvals not initiated	3.0
2016	12	56911	Kalabasa Solar One LLC	IPP	Kalabasa Solar One	HI	07669	GEN1-B	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals received, but regulatory approvals not initiated	3.0
2016	12	58889	Kelly Energy LLC	IPP	Kelly	PA	08817	GEN1	3.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2016	12	58889	Kelly Energy LLC	IPP	Kelly	PA	08817	GEN2	3.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2016	12	10171	Kentucky Utilities Co.	Electric Utility	E. W. Brown	KY	1356	SOLAR	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	12	59910	Lana Sustainability Research LLC	IPP	Milano South Solar Farm	ME	07422	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	59910	Lana Sustainability Research LLC	IPP	Laurinburg Industrial Solar	NC	09660	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, but regulatory approvals not initiated	10.0
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	06106	GTG1	37.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory	

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	56986	Solage Farms IV	IPP	Solage Farms IV	NC	99934	SPV	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2016	12	56986	Southbridge Recycling and Disposal Park, Inc.	IPP	Southbridge Landfill Gas-to-Energy	MA	99011	CAT2	1.1	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	17602	Southwest Power Co.	PP	Buller Solar Project 103	CA	99892	CA	103.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	103.0
2016	12	17602	Southwest Power Co.	PP	Taylor County Solar	GA	98927	1	1.48	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	1.48
2016	12	56981	Central Analytics Dry Ranch Co.	CA	Central Analytics Dry Ranch Co.	CA	99924	CADAC10	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	20.0
2016	12	56981	Sustainable Power Group, LLC	PP	North Lancaster Ranch	CA	99952	NLR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	20.0
2016	12	69317	Tepac LLC	IPP	Tepac	NC	99670	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	20.0
2016	12	56976	Tri-Global Energy, LLC	PP	Chesney Winds	TX	99243	CHW1	26.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	26.0
2016	12	56976	Tri-Global Energy, LLC	PP	Fleur Winds	TX	99244	FBE1	30.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	30.0
2016	12	56976	Tri-Global Energy, LLC	PP	Fluvanna	TX	99245	FLV1	240.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	12	56976	Tri-Global Energy, LLC	PP	Goodrich	TX	99246	GOO2	240.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	12	56976	Tri-Global Energy, LLC	PP	Hale Community Wind Farm	TX	99247	HAL2	240.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction	240.0
2016	12	56796	Trisha Wind Colorado	PP	Trisha Wind Colorado	CO	98928	1	30.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	30.0
2016	12	56933	Trisha Wind Minnesota	PP	Trisha Wind Minnesota	MN	97266	1	40.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2016	12	56709	Turning Point Solar LLC	PP	Turning Point Solar	OH	97371	TPS00	49.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.9
2016	12	56709	Turning Point Solar LLC	PP	Turning Point Solar	OH	97371	TPS01	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	15.0
2016	12	56709	Turning Point Solar LLC	PP	Turning Point Solar	OH	97371	TPS02	14.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	14.0
2016	12	19316	Two Elk Generation Partners LP	PP	Two Elk Generating Station	WY	95360	GEN1	279.0	Conventional Steam Coal	WC	ST	(U) Under construction, less than or equal to 50 percent complete	320.0
2016	12	56624	Walnut Ridge Wind, LLC	PP	Walnut Ridge Wind Farm	IL	98944	1	210.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction	210.0
2016	12	56913	White Camp Solar	PP	White Camp Solar	TX	98984	WCAP	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	100.0
2017	1	59306	Beaumont Farm, LLC	IPP	Beaumont Farm Solar Project	NC	99567	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	20917	Bowen Power Station LLC	Electric CHP	Bowen Power Station LLC	AZ	95780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	172.0
2017	1	20917	Bowen Power Station LLC	Electric CHP	Bowen Power Station LLC	AZ	95780	CT2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	172.0
2017	1	38902	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	99726	10	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending, Not under construction	18.7
2017	1	38902	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	99726	8	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending, Not under construction	18.7
2017	1	38902	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	99726	9	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending, Not under construction	18.7
2017	1	39047	East Texas Electric Coop, Inc.	Electric Utility	RG Thomas Hydroelectric Project	TX	98645	RC11	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	8.9
2017	1	39047	East Texas Electric Coop, Inc.	Electric Utility	RG Thomas Hydroelectric Project	TX	98645	RC12	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	8.9
2017	1	39047	East Texas Electric Coop, Inc.	Electric Utility	RG Thomas Hydroelectric Project	TX	98645	RC13	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	8.9
2017	1	59306	Keen Farm, LLC	PP	Keen Farm	NC	99565	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	59302	Manney Solar, LLC	PP	Manney Solar Farm	NC	99575	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59302	Manney Solar, LLC	PP	Manney Solar Farm	NC	99575	PV2	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59303	Pe 64 Farm, LLC	PP	Pe 64 Farm	NC	99588	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	5.0
2017	1	59303	Sandy Ridge Solar Farm, LLC	PP	Sandy Ridge Solar Farm	NC	99590	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59307	Sedberry Farm, LLC	PP	Sedberry Farm	NC	99593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59308	Spring Valley Farm 2, LLC	PP	Spring Valley Farm 2, LLC	NC	99593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59309	Spring Valley Farm, LLC	PP	Spring Valley Farm	NC	99594	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	18454	Tampa Electric Co.	Electric Utility	Tampa Electric Co.	FL	7242	CAC1	499.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	499.0
2017	1	59308	Tart Farm, LLC	PP	Tart Farm	NC	99593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	20159	Washington Parish Energy Ctr LLC	PP	Washington Parish Energy Center	LA	54486	CT10	172.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Energy Ctr LLC	PP	Washington Parish Energy Center	LA	54486	CT12	172.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Energy Ctr LLC	PP	Washington Parish Energy Center	LA	54486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, more than 50 percent complete	250.0
2017	1	59329	Walton Farm, LLC	PP	Walton Farm	NC	99594	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	1	59331	Woodland Church Farm, LLC	PP	Woodland Church Farm	NC	99596	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	5.0
2017	2	56031	CPV Maryland LLC	PP	CPV B Charles Energy Center	MD	98846	GT10	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	215.0
2017	2	56031	CPV Maryland LLC	PP	CPV B Charles Energy Center	MD	98846	GT12	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	215.0
2017	2	56031	CPV Maryland LLC	PP	CPV B Charles Energy Center	MD	98846	GT16	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	215.0
2017	3	58889	Dommon Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	99073	5603	3.0	Hydroelectric	WAT	HA	(L) Regulatory approvals pending, Not under construction	3.0
2017	3	58889	Dommon Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	99073	5602	1.0	Hydroelectric	WAT	HA	(L) Regulatory approvals pending, Not under construction	1.0
2017	3	49005	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	96163	CTG1	176.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.0
2017	3	56789	TBE-Morgenthaun LLC	PP	TBE-Morgenthaun LLC	NJ	97474	51C16	11.0	Other Waste Biomass	OMB	GT	(U) Under construction, less than or equal to 50 percent complete	12.9
2017	3	56789	TBE-Morgenthaun LLC	PP	TBE-Morgenthaun LLC	NJ	97474	51C17	7.0	Other Waste Biomass	OMB	GT	(U) Under construction, less than or equal to 50 percent complete	12.9
2017	4	71989	Gila Bend Power Partners LLC	PP	Gila Bend Power Generation Station	AZ	95507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	71989	Gila Bend Power Partners LLC	PP	Gila Bend Power Generation Station	AZ	95507	4	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	71989	Gila Bend Power Partners LLC	PP	Gila Bend Power Generation Station	AZ	95507	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	1665	ACT	324.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	365.0
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	1665	ACT	169.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	169.0
2017	4	56848	Green Energy Partners LLC	PP	Shorewall	VA	99004	GEN1	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	230.0
2017	4	56848	Green Energy Partners LLC	PP	Shorewall	VA	99004	GEN3	314.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received, Not under construction	348.0
2017	4	9273	Induspower Power & Light Co.	Electric Utility	Esige 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	Induspower Power & Light Co.	Electric Utility	Esige 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	Induspower Power & Light Co.	Electric Utility	Esige Valley (IN)	IN	991	ST101	230.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	260.0
2017	4	9417	Interstate Power and Light Co.	Electric Utility	Marshalltown Generating Station	IA	96236	ST12	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	96236	STP1	238.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	260.0
2017	5	99111	Crawford Renewable Energy - Newcastle Power Station	PP	Crawford Renewable Energy - Newcastle Power Station	PA	99307	MPS	99.9	All Other	TDF	ST	(U) Under construction, less than or equal to 50 percent complete	99.9
2017	5	5701	El Paso Electric Co.	Electric Utility	Martinez Power Station	TX	98962	GT4	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	111.8
2017	5	58997	Encompass, Inc.	PP	La Paz Solar Tower	AZ	98952	1	200.0	Solar Thermal without Energy Storage	STN	GT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	6035	Easton Power	PP	Wolf Hollow II	TX	98912	CGT4	318.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	360.0
2017	5	6035	Easton Power	PP	Wolf Hollow II	TX	98912	CGT5	318.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	360.0
2017	5	6035	Easton Power	PP	Wolf Hollow II	TX	98912	ST06	485.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received, Not under construction	561.0
2017	5	56848	Green Energy Partners LLC	PP	Shorewall	VA	99004	GEN2	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	232.0
2017	5	59101	NVE Tebb, LLC	PP	Pelican Creek Energy Center	TX	96266	PCC1	230.0	Natural Gas Fired Combined Cycle	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	260.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wilcox Point Generation Facility	MD	99220	CT1	310.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	310.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wilcox Point Generation Facility	MD	99220	CT2	310.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	310.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wilcox Point Generation Facility	MD	99220	CT3	310.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	310.0
2017	5	99386	Schell Solar Farm, LLC	PP	Schell Solar Farm	ND	99951	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction	5.0
2017	5	66771	Black Hills Service Company LLC	PP	Public Airport Generating Station	CO	96998	CT08	37.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received, Not under construction	40.0
2017	5	56608	Capane Mid-Mont LLC	PP	York Energy Center	PA	95524	CT09	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	230.0
2017	5	56608	Capane Mid-Mont LLC	PP	York Energy Center	PA	95524	ST02	414.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	414.0
2017	5	56608	Capane Mid-Mont LLC	PP	York Energy Center	PA	95524	ST03	177.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, but regulatory approvals not initiated	27.0
2017	5	57061	NAES Salem Harbor	PP	Salem Harbor	MA	1626	340	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Clear Spring Energy Center	TX	98615	CTD-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Clear Spring Energy Center	TX	98615	CTD-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Clear Spring Energy Center	TX	98615	CTD-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Union Valley Energy Center	TX	98616	CTD-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Union Valley Energy Center	TX	98616	CTD-2	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Union Valley Energy Center	TX	98616	CTD-3	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Van Alstyne Energy Center	TX	98617	CTD-1	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59367	Navasota Energy Generation Holdings	PP	Van Alstyne Energy Center	TX	98617	CTD-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	5	59												

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

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2017	8	18976	Virginia Electric & Power Co.	Electric Utility	VA Offshore Wind Project (VOWTAP)	VA	89693	OSW1	12.0	Offshore Wind Turbine	WIND	WS	(L) Regulatory approvals pending, Not under construction	12.0
2017	10	58178	Jordan Hydroelectric, LTD PTP	PPP	Flanagan Hydroelectric Project	VA	88872	LEF1	0.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction	0.0
2017	10	58179	Jordan Hydroelectric, LTD PTP	PPP	Flanagan Hydroelectric Project	VA	88873	RGR1	0.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction	0.0
2017	10	59064	Triglobal Energy, LLC	PPP	Easton	TX	89871	EST1	200.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2017	11	60330	Capital Power Services Co.	PPP	Black Rock Wind Energy Project	CA	89273	GEN1	163.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	163.0
2017	12	5116	Alaska Power and Telephone Co.	Electric Utility	Malheur Lake Hydroelectric	AK	89027	GEN1	9.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction	9.0
2017	12	218	Alaska Power and Telephone Co.	Electric Utility	Rainybows Creek	AK	89037	GEN1	5.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	5.0
2017	12	59114	Arizona Public Service Co.	Electric Utility	Arizon Wind	NH	89953	AWH1	29.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	29.0
2017	12	803	Arizona Public Service Co.	Electric Utility	Cocoma	AZ	116	CT14	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.9
2017	12	2087	Bowle Power Station LLC	PPP	Bowle Power Station LLC	AZ	85780	CT3	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	172.0
2017	12	2087	Bowle Power Station LLC	PPP	Bowle Power Station LLC	AZ	85780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	172.0
2017	12	2087	Bowle Power Station LLC	Electric CHP	Bowle Power Station LLC	AZ	85780	ST1	18.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	18.0
2017	12	2087	Bowle Power Station LLC	Electric CHP	Bowle Power Station LLC	AZ	85780	ST2	18.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	18.0
2017	12	59365	Capital Power Corporation	PPP	Black Rock Wind Energy Project	CA	89273	GEN1	200.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	59365	Capital Power Corporation	PPP	Escopoint Wind LLC	IL	89902	GEN1	150.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2017	12	59365	Capital Power Corporation	PPP	Hopple Solar LLC	GA	88862	GEN1	29.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	29.0
2017	12	59365	Capital Power Corporation	PPP	Meadowbrook Wind	ND	89903	GEN1	19.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	19.0
2017	12	59365	Capital Power Corporation	PPP	Poplar Ranch Solar LLC	OR	89890	GEN1	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2017	12	59941	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	89773	CGT1	197.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	235.5
2017	12	59941	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	89773	CGT2	197.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	235.5
2017	12	59941	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	89773	SGT1	288.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received, Not under construction	361.3
2017	12	58672	Essexpower Wind Holdings Inc.	PPP	Buckeye Wind Farm	OH	88776	1	20.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	20.0
2017	12	59155	First Wind OMA LLC	PPP	Bowers Wind Project	NE	87086	1	48.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction	48.0
2017	12	7188	Gila Bend Power Partners, LLC	PPP	Gila Bend Power Generation Station	AZ	85507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	12	15399	Hordeco Renewables Inc.	PPP	Desert Wind	NC	89958	1	20.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	20.0
2017	12	59911	Mauihale Lake Wind Farm V LLC	PPP	Mauihale Lake Wind Farm V LLC	HI	17629	GEN1	100.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2017	12	59949	Paulding Wind Farm LLC	PPP	Paulding Wind Farm LLC	GA	87611	GEN1	49.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction	49.0
2017	12	58626	Paysonville Wind Farm	PPP	Paysonville Wind Farm	MN	88653	1	95.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	95.0
2017	12	58626	Paysonville Wind Farm	PPP	Paysonville Wind Farm	MN	88653	2	95.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	95.0
2017	12	59070	RE Tranquility B LLC	PPP	RE Tranquility B	CA	89440	T08	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction	200.0
2017	12	58843	Searchlight Wind Energy LLC	PPP	Searchlight Wind Energy	NV	88888	1	20.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction	20.0
2018	1	59814	Black Creek Renewable Energy LLC	PPP	Black Creek Renewable Energy	CA	89455	GEN1	14.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction	14.0
2018	1	59204	CPV Valley LLC	PPP	CPV Valley Energy Center	NY	86940	CTG2	186.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	235.0
2018	1	59204	CPV Valley LLC	PPP	CPV Valley Energy Center	NY	86940	CTG1	360.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received, Not under construction	350.0
2018	1	2718	Enbridge Energy Partners LP	PPP	Enbridge Energy Partners LP	TX	84900	PL1	15.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.0
2018	1	58795	FGE Texas LLC	PPP	FGE Texas I	TX	88931	CA1	388.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	382.5
2018	1	58795	FGE Texas LLC	PPP	FGE Texas I	TX	88931	GT1	219.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	209.0
2018	1	58795	FGE Texas LLC	PPP	FGE Texas I	TX	88931	CT2	219.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	209.0
2018	1	58793	Lute/Works-Summit Ridge I, LLC	PPP	Summit Ridge I Wind Farm	OR	88894	SRWF	151.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	151.0
2018	1	59123	NTE Carabias, LLC	PPP	Kings Mountain Energy Center	NC	89326	AMEC1	460.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	475.0
2018	1	59123	NTE Carabias, LLC	PPP	Kings Mountain Energy Center	NC	89326	AMEC2	248.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	253.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT2	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT3	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT4	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT5	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT6	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	14063	Chalontona Gas & Electric Co.	Electric Utility	Mutating	OK	2953	GT7	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	66.0
2018	1	16134	Sacramento Municipal Util Dist	Electric Utility	White Rock/Bat Creek	CA	436	46	2.8	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.8
2018	1	803	Arizona Public Service Co.	Electric Utility	Cocoma	AZ	116	CT14	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.9
2018	2	59886	Coronado Power Ventures LLC	PPP	Pinecrest Energy Center	TX	89923	CTG-1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	222.0
2018	2	59886	Coronado Power Ventures LLC	PPP	Pinecrest Energy Center	TX	89923	CTG-2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	222.0
2018	2	59886	Coronado Power Ventures LLC	PPP	Pinecrest Energy Center	TX	89923	CTG-3	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	222.0
2018	2	59434	Mattamusson Energy, LLC	PPP	Mattamusson Energy Center	MD	88862	CGT11	386.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	386.0
2018	2	59434	Mattamusson Energy, LLC	PPP	Mattamusson Energy Center	MD	88862	CGT12	386.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	386.0
2018	2	59434	Mattamusson Energy, LLC	PPP	Mattamusson Energy Center	MD	88862	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	Cocoma	AZ	116	CT16	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.9
2018	3	59886	Coronado Power Ventures LLC	PPP	La Palma Energy Center	TX	89924	CTG-1	211.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	209.0
2018	3	59886	Coronado Power Ventures LLC	PPP	La Palma Energy Center	TX	89924	CTG-2	211.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction	209.0
2018	3	59886	Coronado Power Ventures LLC	PPP	La Palma Energy Center	TX	89924	STG-1	300.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received, Not under construction	311.0
2018	3	58795	FGE Texas I LLC	PPP	FGE Texas I	TX	88930	CA1	388.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction	382.5
2018	3	58795	FGE Texas I LLC	PPP	FGE Texas I	TX	88930	GT1	219.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	209.0
2018	3	58795	FGE Texas I LLC	PPP	FGE Texas I	TX	88930	CT2	219.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	209.0
2018	3	13781	Horizon Energy Services Co., Minnesota	Electric Utility	Black Duck	CA	89044	1	190.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated	190.0
2018	4	803	Arizona Public Service Co.	Electric Utility	Cocoma	AZ	116	GT77	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.9
2018	4	58983	Rockwood Energy Center LLC	PPP	Rockwood Energy Center LLC	TX	89818	ROCKW	1,069.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received, Not under construction	1,068.0
2018	4	20421	Western Minnesota Mun Per Agcy	Electric Utility	Red Rock Hydro Plant	IA	88434	1	27.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	18.2
2018	4	20421	Western Minnesota Mun Per Agcy	Electric Utility	Red Rock Hydro Plant	IA	88434	2	27.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction	18.2
2018	5	59293	Gateway Energy Center, LLC	PPP	Gateway Energy Center, LLC	NJ	89538	CT001	442.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	440.0
2018	5	59675	Moore Freedom LLC	PPP	Moore Freedom Generation Plant	PA	89906	GEN1	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending, Not under construction	529.0
2018	5	59675	Moore Freedom LLC	PPP	Moore Freedom Generation Plant	PA	89906	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	PPP	Neches Station, LLC	TX	89716	CTG1	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	222.0
2018	5	59490	Neches Station, LLC	PPP	Neches Station, LLC	TX	89716	CTG2	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	222.0
2018	6	59687	AltaGas Sonoran Energy Inc.	PPP	Sonoran Energy Project	GN	89821	GEN1	510.7	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending, Not under construction	563.0
2018	6	2338	Capitol Central LP	PPP	Markus Energy Center	MN	86104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	210.0
2018	6	6036	Easton Power	PPP	Easton West Meadow II LLC	MA	89882	1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction	100.0
2018	6	58409	Fatum Power PA	PPP	Good Spring NGCC Facility	PA	88409	GT1	232.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	230.0
2018	6	58409	Fatum Power PA	PPP	Good Spring NGCC Facility	PA	88409	GT2	180.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	180.0
2018	6	59588	Lake Creek 3 Power Company LLC	PPP	Lake Creek	TX	8502	CT11	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	59588	Lake Creek 3 Power Company LLC	PPP	Lake Creek	TX	8502	CT12	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	59588	Lake Creek 3 Power Company LLC	PPP	Lake Creek	TX	8502	CT13	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	59588	Lake Creek 3 Power Company LLC	PPP	Lake Creek	TX	8502	CT14	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	Moundville Power, LLC	PPP	Moundville Power	WV	89720	MPCAT1	224.0	All Other	WH	CA	(L) Regulatory approvals pending, Not under construction	246.5
2018	6	59487	Moundville Power, LLC	PPP	Moundville Power	WV	89720	MPC11	177.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	195.5
2018	6	59487	Moundville Power, LLC	PPP	Moundville Power	WV	89720	MPC12	177.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	195.5
2018	6	59124	NTE Ohio LLC	PPP	NTE Ohio LLC	OH	89326	MEC1	310.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	310.0
2018	6	59124	NTE Ohio LLC	PPP	NTE Ohio LLC	OH	89326	MEC2	284.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction	284.0
2018	6	14524	Public No 2 of Grant County	Electric Utility	Kingston	VA	386	1	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2018	6	59489	Perennial Wind Chaser LLC	PPP	Perennial Wind Chaser Station	OR	89721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018														

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Generator ID	Not Summer Capacity (MW)	Technology	Energy Source	Prime Mover Code	Status	Nameplate Capacity (MW)
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	89002	CEB 9	105.1	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	89003	CEC10	105.1	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	89004	CEC11	105.1	Natural Gas Fired Combustion Turbine	NG GT	(L) Regulatory approvals pending, Not under construction	105.3
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	17703	008	45.0	Natural Gas Fired Combustion Turbine	NG GT	(P) Planned for installation, but regulatory approvals not initiated	45.0
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	17703	009	45.0	Natural Gas Fired Combustion Turbine	NG GT	(P) Planned for installation, but regulatory approvals not initiated	45.0
2018	12	59432	Clear Creek Power	IPP	Highland Park Project	CO	15659	HPWV7	198.0	Onshore Wind Turbine	WIND WT	(P) Planned for installation, but regulatory approvals not initiated	198.0
2018	12	56672	Corona Costa Generating Station LLC	IPP	Oakley Generating Station	CA	17552	CT1	187.1	Natural Gas Fired Combined Cycle	NG CT	(U) Under construction, less than or equal to 50 percent complete	227.3
2018	12	56672	Corona Costa Generating Station LLC	IPP	Oakley Generating Station	CA	17553	CT2	187.1	Natural Gas Fired Combined Cycle	NG CT	(U) Under construction, less than or equal to 50 percent complete	227.3
2018	12	56672	Corona Costa Generating Station LLC	IPP	Oakley Generating Station	CA	17552	ST	191.1	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	88841	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	88841	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	88841	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	88841	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	88841	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	88841	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	88841	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	88841	ST-2	50.0	Natural Gas Fired Combined Cycle	NG CA	(L) Regulatory approvals pending, Not under construction	51.0
2018	12	58371	NoviEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	17273	C	125.0	Solar Photovoltaic	SUN PV	(T) Regulatory approvals received, Not under construction	125.0
2018	12	58371	NoviEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	17273	D	125.0	Solar Photovoltaic	SUN PV	(T) Regulatory approvals received, Not under construction	125.0
2018	12	57470	Noble Energy Systems, Inc.	IPP	Prairie Branch Wind Farm	MO	80802	RP4P	50.0	Onshore Wind Turbine	WIND WT	(T) Regulatory approvals received, Not under construction	49.0
2018	12	4200	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52186	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	10850	TEC1A	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	10850	TEC1B	126.0	Other Gases	OG CA	(P) Planned for installation, but regulatory approvals not initiated	126.0
2018	12	2780	Terra-Gem Operating Company	IPP	Dux Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO ST	(P) Planned for installation, but regulatory approvals not initiated	28.0
2018	12	19911	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN10	17.0	Conventional Steam Coal	SLB 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	CT10	324.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	369.9
2018	12	19876	Virginia Electric & Power Co.	Electric Utility	Greensville County Power Station	VA	59913	CT102	324.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	369.9
2018	12	19876	Virginia Electric & Power Co.	Electric Utility	Greensville County Power Station	VA	59913	CT103	324.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	369.9
2018	12	19876	Virginia Electric & Power Co.	Electric Utility	Greensville County Power Station	VA	59913	CT104	324.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	369.9
2019	1	56784	CE Obsidian Energy LLC	IPP	Black Rock I	CA	17477	G3001	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	CT153	225.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2019	1	20856	Wisconsin Power & Light Co.	Electric Utility	Riverside Energy Center	WI	55641	CT154	225.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2019	1	20856	Wisconsin Power & Light Co.	Electric Utility	Riverside Energy Center	WI	55641	ST12	250.0	Natural Gas Fired Combined Cycle	NG CA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2019	2	58768	Pondora Development LLC	IPP	CPV Pondora Ring Energy Center	TX	88910	CTC	836.0	Natural Gas Fired Combined Cycle	NG OC	(P) Planned for installation, but regulatory approvals not initiated	950.0
2019	3	59234	Crocket Valley Energy Center LLC	IPP	Crocket Valley Energy	NV	17185	U000	346.0	Natural Gas Fired Combined Cycle	NG OC	(P) Planned for installation, but regulatory approvals not initiated	360.0
2019	3	59234	Crocket Valley Energy Center LLC	IPP	Crocket Valley Energy	NV	17185	U003	346.0	Natural Gas Fired Combined Cycle	NG OC	(P) Planned for installation, but regulatory approvals not initiated	360.0
2019	4	15473	Midex Service Co of NM	Electric Utility	La Luz Energy Center	NM	5628	CT1	49.2	Natural Gas Fired Combustion Turbine	NG CT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2019	5	59677	Midlex Energy Center LLC	IPP	Midlex Energy Center	NJ	89609	CT001	560.0	Natural Gas Fired Combined Cycle	NG OC	(P) Planned for installation, but regulatory approvals not initiated	560.0
2019	5	55768	RSC Cape May Holdings LLC	IPP	B. L. England	NY	2378	A	208.0	Natural Gas Fired Combined Cycle	NG CT	(L) Regulatory approvals pending, Not under construction	321.0
2019	5	18424	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	6532	NA	204.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	185.0
2019	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	17181	1	40.0	Geothermal	GEO ST	(T) Regulatory approvals received, Not under construction	48.0
2019	6	7140	Georgia Power Co.	Electric Utility	Yogis	GA	449	3	1,100.0	Nuclear	NUC ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2019	6	55983	Lumint Generation Company LLC	IPP	Engle Mountain	TX	3489	CT1	224.0	Natural Gas Fired Combined Cycle	NG ST	(L) Regulatory approvals pending, Not under construction	235.5
2019	6	55983	Lumint Generation Company LLC	IPP	Engle Mountain	TX	3489	CT2	224.0	Natural Gas Fired Combined Cycle	NG ST	(L) Regulatory approvals pending, Not under construction	235.5
2019	6	55983	Lumint Generation Company LLC	IPP	Engle Mountain	TX	3489	ST1	244.0	Natural Gas Fired Combined Cycle	NG CA	(L) Regulatory approvals pending, Not under construction	302.5
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Warren	WA	388	BA	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	Warren	WA	388	BA	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 Sumner	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	89471	CT100	104.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	109.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	89471	CT102	104.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	109.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	89471	CT103	104.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	109.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	89471	CT104	104.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	109.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	89471	CT105	104.0	Natural Gas Fired Combustion Turbine	NG ST	(P) Planned for installation, but regulatory approvals not initiated	109.7
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	86107	CT1	301.0	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	86107	CT2	301.0	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	86107	ST	187.0	Natural Gas Fired Combined Cycle	NG CA	(P) Planned for installation, but regulatory approvals not initiated	187.0
2019	12	26586	Energy Unltd/Inc	IPP	Planted Hills IV Wind	CA	65926	1	193.0	Onshore Wind Turbine	WIND WT	(P) Planned for installation, but regulatory approvals not initiated	19.5
2019	12	56615	First Solar Project Development	IPP	Desert Quartzite	CA	18871	GEN01	300.0	Solar Photovoltaic	SUN PV	(L) Regulatory approvals pending, Not under construction	300.0
2019	12	56983	Edison County Generation Station	IPP	Edison County Generation Station	TX	17709	1	371.0	Natural Gas Fired Combined Cycle	NG CT	(P) Planned for installation, but regulatory approvals not initiated	452.2
2019	12	56984	Medicine Bow Fuel & Power, LLC	IPP	Medicine Bow Fuel & Power, LLC	WY	16450	1	30.0	Conventional Steam Coal	SLB ST	(P) Planned for installation, but regulatory approvals not initiated	30.0
2019	12	14364	PacificCorp	Electric Utility	Blunder	UT	299	3	35.0	Geothermal	GEO ST	(P) Planned for installation, but regulatory approvals not initiated	36.0
2019	12	58842	Power Company of Wyoming LLC	IPP	Chokocherry and Sierra Madre Wind	WY	88887	1A	887.0	Onshore Wind Turbine	WIND WT	(L) Regulatory approvals pending, Not under construction	887.0
2020	1	56784	CE Obsidian Energy LLC	IPP	Black Rock II	CA	17478	G3002	60.0	Geothermal	GEO ST	(T) Regulatory approvals received, Not under construction	70.0
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Avanah B Hopkins	FL	688	G15	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	Yogis	GA	449	4	4.0	Landfill Gas	LFG ST	(U) Under construction, less than or equal to 50 percent complete	4.0
2020	6	17639	South Carolina Electric&Gas Company	Electric Utility	V C Sumner	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	17180	1	49.0	Geothermal	GEO ST	(L) Regulatory approvals pending, Not under construction	56.9
2020	10	5680	East Kentucky Power Coop, Inc.	Electric Utility	Green Valley LEUTE	KY	56276	4	4.0	Landfill Gas	LFG ST	(P) Planned for installation, but regulatory approvals not initiated	4.0
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	15846	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	209.0	Natural Gas Fired Combined Cycle	NG OC	(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	209.0	Natural Gas Fired Combined Cycle	NG OC	(P) Planned for installation, but regulatory approvals not initiated	199.5
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokocherry and Sierra Madre Wind	WY	88887	1B	813.0	Onshore Wind Turbine	WIND WT	(L) Regulatory approvals pending, Not under construction	813.0
2021	1	56784	CE Obsidian Energy LLC	IPP	Black Rock III	CA	17479	G3003	60.0	Geothermal	GEO ST	(T) Regulatory approvals received, Not under construction	70.0
2021	4	59237	Power&Coop/Inc LLC	Electric Utility	Pont Washington	GA	16675	1	80.0	Conventional Steam Coal	SLB ST	(T) Regulatory approvals received, Not under construction	80.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	88413	CCG061	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	88413	CCG052	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	88413	CCG053	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	88413	CCG054	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	88413	CCG055	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	88413	CCG056	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	88413	CCG057	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	88413	CCG058	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	88413	CCG059	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	88413	CCG060	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	88413	CCG061	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	88413	CCG062	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	88413	CCG063	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	88413	CCG064	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	88413	CCG065	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	88413	CCG066	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	88413	CCG067	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									

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	9	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	9	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	9	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2015	9	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-1	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-2	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-1	0.5	All Other	OTH	ST
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-2	0.5	All Other	OTH	ST
2015	9	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1	5.0	Conventional Steam Coal	BIT	ST
2015	9	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	2	5.0	Conventional Steam Coal	BIT	ST
2015	10	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5	0.5	Petroleum Liquids	DFO	IC
2015	10	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	8198	City of Harrisonburg - (VA)	Electric Utility	Harrisonburg Power Plant	VA	56006	ST-1	2.7	Natural Gas Steam Turbine	NG	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Natural Gas Steam Turbine	NG	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2015	11	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN6	2.5	Conventional Steam Coal	BIT	ST
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	NONO	0.5	Conventional Hydroelectric	WAT	HY
2015	12	7175	General Mills Operations Inc	Industrial	General Mills Operations Lodi	CA	10031	1	3.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	12897	Moose Lake Water & Light Comm	Electric Utility	Moose Lake	MN	1996	2	1.1	Petroleum Liquids	DFO	IC
2015	12	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	4	335.0	Natural Gas Steam Turbine	NG	ST
2015	12	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	20838	Win-Sam Inc	Commercial	University of Texas at San Antonio	TX	54606	GEN1	3.3	Natural Gas Internal Combustion Engine	NG	IC
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	3	47.2	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	1	103.1	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	2	103.1	Conventional Steam Coal	SUB	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	1	19.0	Conventional Steam Coal	BIT	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	2	19.0	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	4	16.5	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	5	22.0	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	6	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	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	Anvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	1	162.0	Conventional Steam Coal	BIT	ST
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	2	195.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	1	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	3	178.0	Conventional Steam Coal	BIT	ST
2016	3	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	4	178.0	Conventional Steam Coal	BIT	ST
2016	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2016	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	4	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	5	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	7	152.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	8	151.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	1	102.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	2	95.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	3	122.0	Conventional Steam Coal	SUB	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2016	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	3	74.0	Conventional Steam Coal	BIT	ST
2016	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	4	75.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2016	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	93.0	Conventional Steam Coal	BIT	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	2	283.7	Conventional Steam Coal	SUB	ST
2016	4	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U3J98	1.0	Landfill Gas	LFG	IC
2016	4	26840	Port Townsend Paper Co	Industrial	Port Townsend Paper	WA	50544	GEN4	3.0	Wood/Wood Waste Biomass	BLQ	ST
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	4	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2016	5	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

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	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	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST
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-Palaska	Industrial	Georgia-Pacific Palaska Operations	FL	10611	GEN2	7.0	Natural Gas Steam Turbine	NG	ST
2016	6	12807	Michigan South Central Pwr Agy	Electric Utility	Endicott Station	MI	4259	1	55.0	Conventional Steam Coal	BIT	ST
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2016	6	18126	Silverwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Natural Gas Steam Turbine	NG	ST
2016	6	54842	WIM 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	721	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	BLO	ST
2016	12	4046	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	Dubzque	IA	1046	3	31.1	Natural Gas Steam Turbine	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubzque	IA	1046	4	37.3	Natural Gas Steam Turbine	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubzque	IA	1046	IC1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubzque	IA	1046	IC2	1.4	Petroleum Liquids	DFO	IC
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENC1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Keamy	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Keamy	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 Tur	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	WIND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Dyer Road	CA	50818	GEN1	10.5	Onshore Wind Turbine	WIND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Santa Clara (85C)	CA	50534	WGSN	18.0	Onshore Wind Turbine	WIND	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Natural Gas Steam Turbine	NG	ST
2017	12	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	2	340.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	3	497.0	Conventional Steam Coal	BIT	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	1	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4	107.0	Conventional Steam Coal	SUB	ST
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	1	0.6	Petroleum Liquids	DFO	IC
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	4	0.5	Petroleum Liquids	DFO	IC
2018	1	17891	City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7	12.0	Petroleum Liquids	DFO	GT
2018	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2018	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	29.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Natural Gas Steam Turbine	NG	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	173.0	Conventional Steam Coal	BIT	ST
2018	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WIND	WT
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-q1	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	11620	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	12889	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	863	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 GametVly	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 GametVly	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 GametVly	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 GametVly	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

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
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		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 significant portion of capacity for some technologies such as solar photovoltaic generation.

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

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

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2013-August 2015

Period	Coal	Natural Gas				Petroleum		
		Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Steam Turbine	Petroleum Liquids Fired Combustion Turbine	Internal Combustion Engine
Annual Factors								
2013	59.7%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	60.9%	47.8%	4.8%	10.0%	NA	12.8%	1.1%	7.1%
Year 2013								
January	61.2%	46.3%	3.6%	7.3%	4.6%	10.0%	0.7%	2.7%
February	60.6%	46.7%	3.4%	6.7%	4.7%	9.7%	0.4%	2.0%
March	57.7%	44.1%	4.0%	6.8%	5.7%	9.6%	0.3%	1.9%
April	51.3%	40.4%	4.3%	7.3%	6.1%	11.6%	0.6%	2.4%
May	52.9%	41.5%	4.5%	9.5%	5.2%	13.0%	0.7%	2.1%
June	63.4%	50.9%	5.1%	14.7%	6.9%	15.4%	0.8%	1.7%
July	67.9%	58.3%	8.5%	18.6%	8.4%	17.5%	2.1%	2.3%
August	66.3%	60.2%	6.8%	17.6%	8.5%	14.4%	0.9%	2.2%
Sept	61.2%	52.6%	5.6%	14.0%	6.7%	14.1%	1.3%	2.0%
October	54.4%	45.4%	3.9%	8.5%	5.5%	12.7%	0.7%	2.0%
November	56.2%	44.9%	3.9%	7.1%	4.5%	7.3%	0.6%	2.2%
December	63.7%	47.1%	4.6%	8.5%	6.1%	10.2%	0.7%	2.7%
Year 2014								
January	70.9%	46.9%	6.4%	9.4%	NA	19.4%	3.7%	7.3%
February	71.6%	42.2%	4.2%	8.8%	NA	12.2%	0.8%	6.3%
March	61.4%	39.5%	4.4%	6.9%	NA	13.7%	1.1%	5.8%
April	50.9%	40.3%	3.4%	6.9%	NA	9.5%	0.5%	4.9%
May	53.8%	44.3%	4.8%	9.5%	NA	10.3%	0.7%	9.5%
June	64.5%	50.7%	5.1%	11.4%	NA	15.3%	1.0%	7.3%
July	68.0%	57.0%	5.8%	14.6%	NA	16.1%	1.1%	8.8%
August	67.5%	60.5%	6.1%	16.2%	NA	15.3%	1.5%	8.4%
Sept	59.2%	54.8%	5.2%	12.2%	NA	13.7%	0.8%	8.1%
October	50.8%	48.5%	4.7%	10.3%	NA	9.7%	0.8%	6.5%
November	56.1%	42.8%	4.1%	7.6%	NA	7.5%	0.9%	6.4%
December	56.8%	45.6%	3.3%	5.7%	NA	10.7%	0.5%	5.8%
Year 2015								
January	57.8%	51.1%	3.7%	6.4%	NA	12.3%	0.5%	8.0%
February	65.4%	51.7%	6.1%	8.4%	NA	21.9%	1.6%	6.7%
March	50.5%	50.5%	5.0%	8.4%	NA	8.8%	0.7%	8.1%
April	42.8%	47.5%	5.7%	9.9%	NA	12.5%	1.1%	6.9%
May	49.7%	49.4%	6.9%	9.6%	NA	13.7%	1.5%	7.1%
June	62.5%	61.4%	8.3%	14.0%	NA	13.7%	1.2%	6.5%
July	66.7%	67.3%	10.7%	20.0%	NA	18.4%	1.6%	9.2%
August	64.7%	67.5%	8.7%	19.9%	NA	17.4%	1.5%	10.3%

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

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

Table 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2013-August 2015

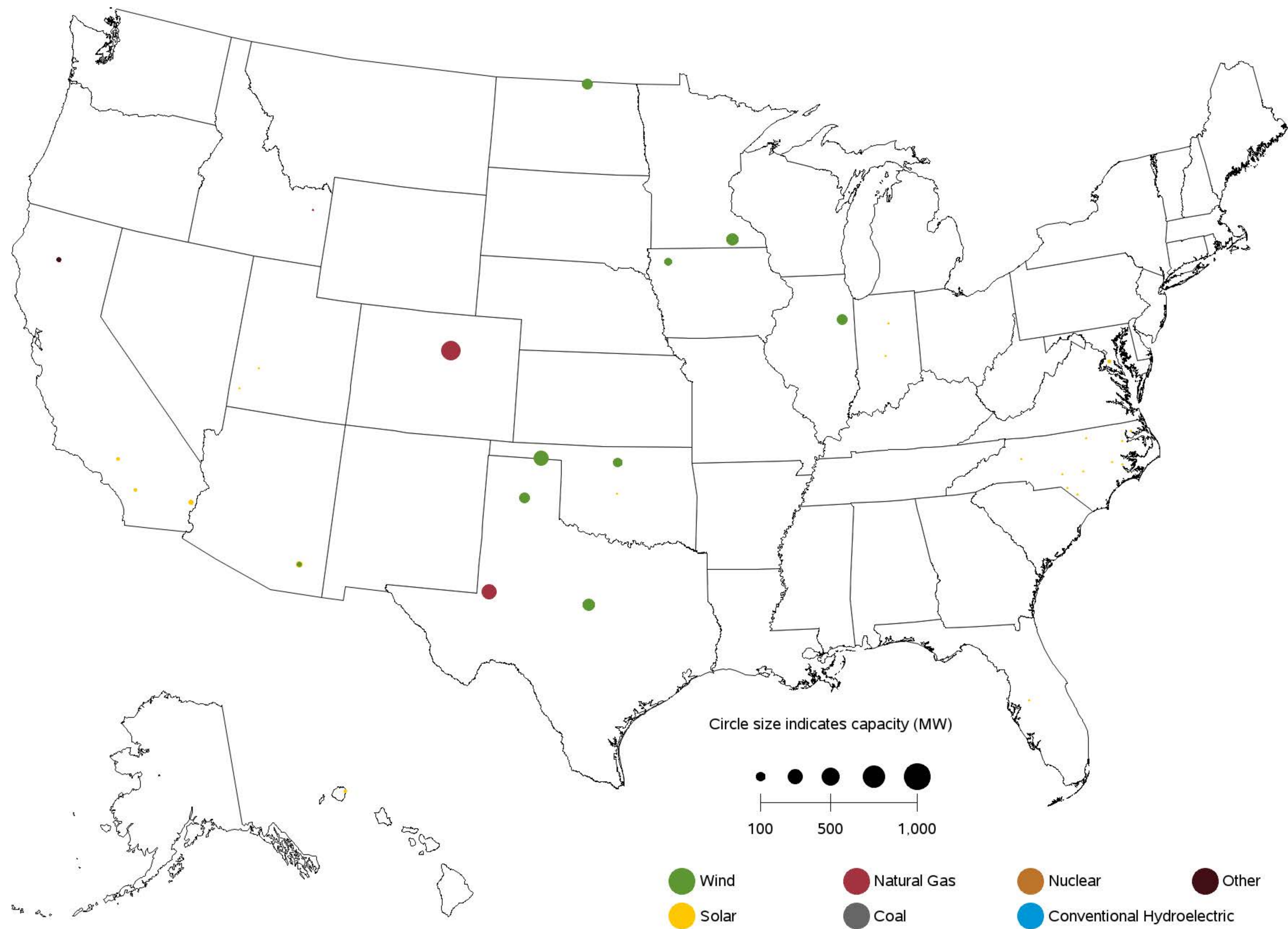
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Municipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	NA	NA	68.9%	56.7%	73.6%
2014	91.7%	37.5%	33.9%	27.8%	19.5%	68.9%	52.1%	68.8%
Year 2013								
January	93.9%	42.3%	33.5%	NA	NA	66.0%	56.5%	76.9%
February	90.3%	38.3%	35.4%	NA	NA	65.2%	56.0%	76.1%
March	83.4%	34.8%	35.9%	NA	NA	69.0%	55.4%	76.8%
April	77.6%	44.4%	41.1%	NA	NA	66.9%	44.8%	73.3%
May	83.3%	48.4%	37.0%	NA	NA	70.4%	50.5%	71.7%
June	93.1%	48.3%	32.4%	NA	NA	71.0%	54.8%	72.4%
July	95.6%	46.8%	25.3%	NA	NA	71.1%	58.2%	73.3%
August	96.7%	37.2%	22.0%	NA	NA	71.9%	64.8%	72.5%
Sept	92.2%	29.9%	27.4%	NA	NA	69.4%	61.1%	73.6%
October	85.7%	29.2%	31.0%	NA	NA	66.6%	57.9%	74.7%
November	91.0%	31.1%	37.0%	NA	NA	69.5%	61.0%	68.8%
December	96.6%	35.9%	31.3%	NA	NA	69.9%	59.0%	73.0%
Year 2014								
January	99.0%	36.3%	40.4%	NA	NA	63.6%	56.8%	67.9%
February	93.9%	32.5%	34.4%	NA	NA	61.4%	55.7%	67.3%
March	84.5%	41.3%	39.6%	NA	NA	69.2%	53.3%	67.6%
April	78.9%	44.6%	43.1%	NA	NA	68.9%	39.1%	68.7%
May	85.3%	45.3%	34.5%	NA	NA	70.9%	42.4%	68.4%
June	95.4%	45.8%	36.1%	NA	NA	70.5%	56.1%	68.7%
July	97.4%	41.9%	26.7%	NA	NA	72.4%	56.0%	67.8%
August	96.3%	33.9%	22.5%	31.9%	25.0%	72.0%	56.0%	68.0%
Sept	94.5%	28.0%	26.0%	32.0%	25.9%	69.7%	52.3%	69.3%
October	84.5%	29.0%	31.5%	26.7%	20.8%	68.5%	51.3%	69.1%
November	91.2%	33.0%	42.2%	23.4%	13.4%	71.4%	54.1%	72.2%
December	99.5%	38.4%	30.4%	15.6%	5.5%	68.4%	52.6%	70.4%
Year 2015								
January	101.2%	41.9%	31.4%	18.9%	4.6%	67.4%	46.0%	74.1%
February	95.8%	43.0%	34.2%	25.9%	15.5%	62.1%	55.6%	73.4%
March	87.9%	42.2%	31.5%	29.4%	23.6%	58.9%	49.0%	74.2%
April	84.1%	39.5%	37.6%	33.9%	31.8%	65.5%	40.8%	70.8%
May	89.7%	34.3%	35.0%	33.9%	31.1%	67.3%	46.4%	74.4%
June	96.4%	35.0%	28.2%	34.2%	34.5%	69.6%	52.2%	72.3%
July	97.2%	35.5%	27.6%	33.8%	35.1%	70.8%	58.5%	72.7%
August	98.6%	32.9%	26.0%	33.7%	32.8%	70.2%	59.8%	72.1%

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

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

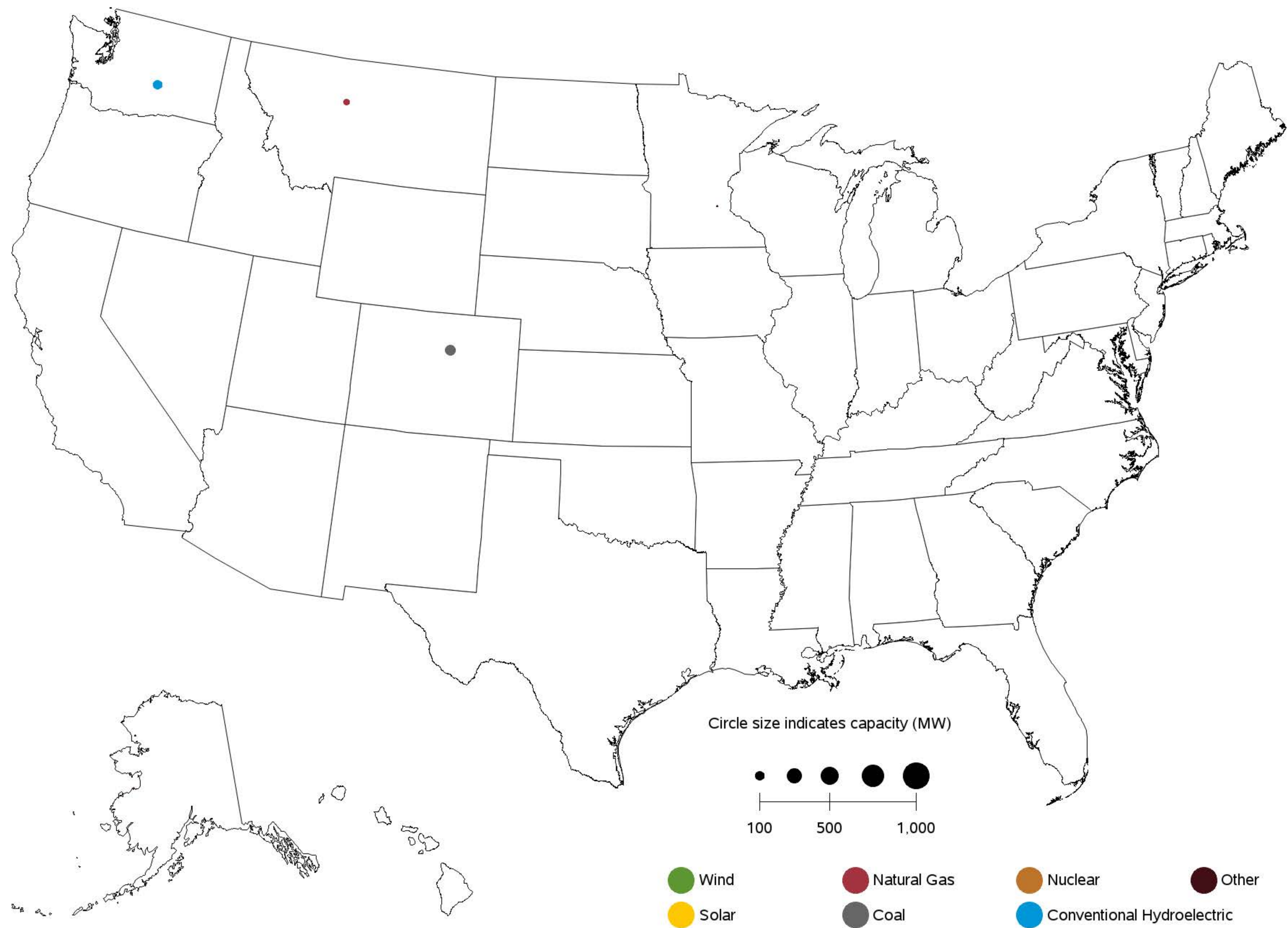
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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



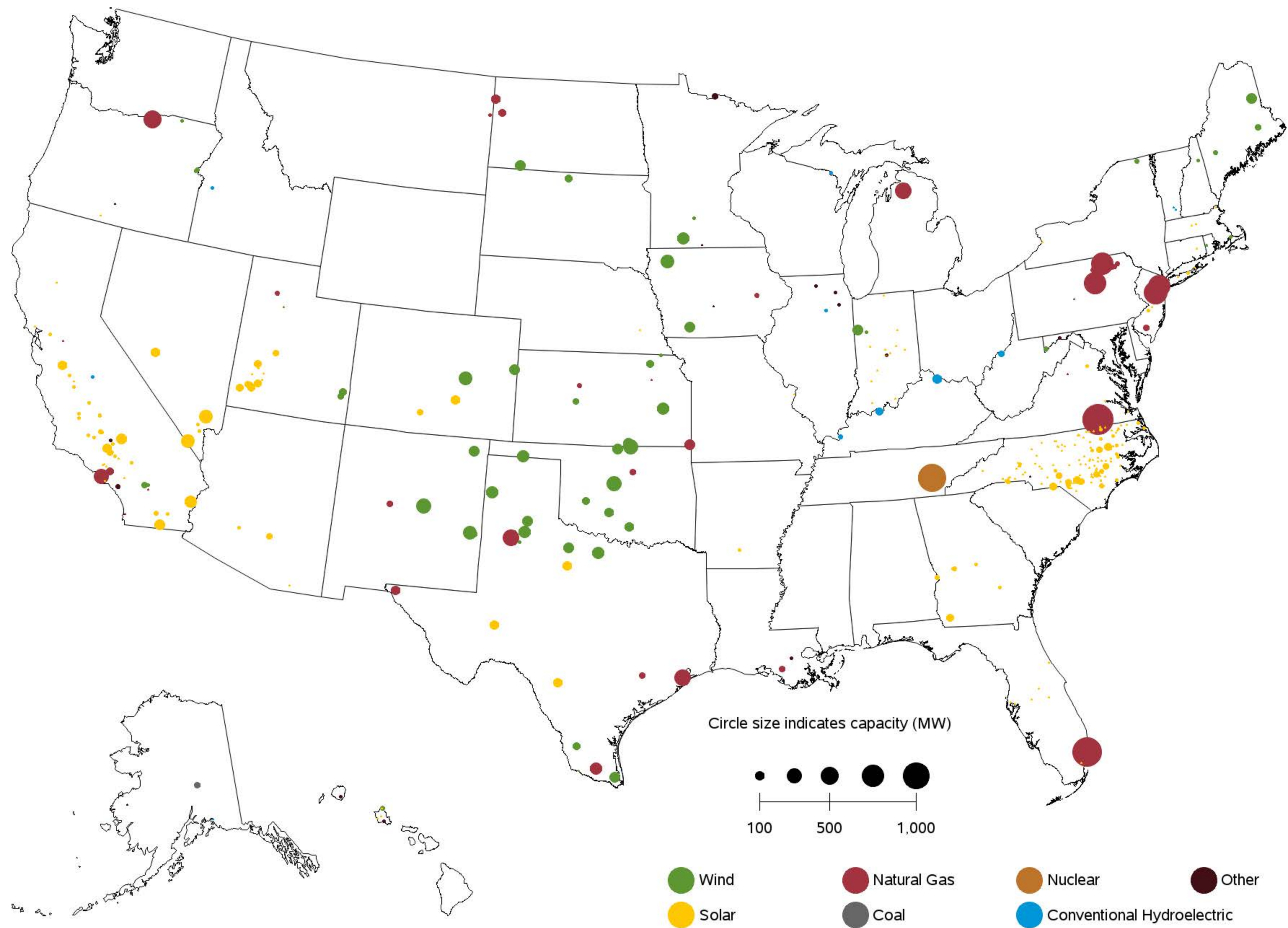
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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



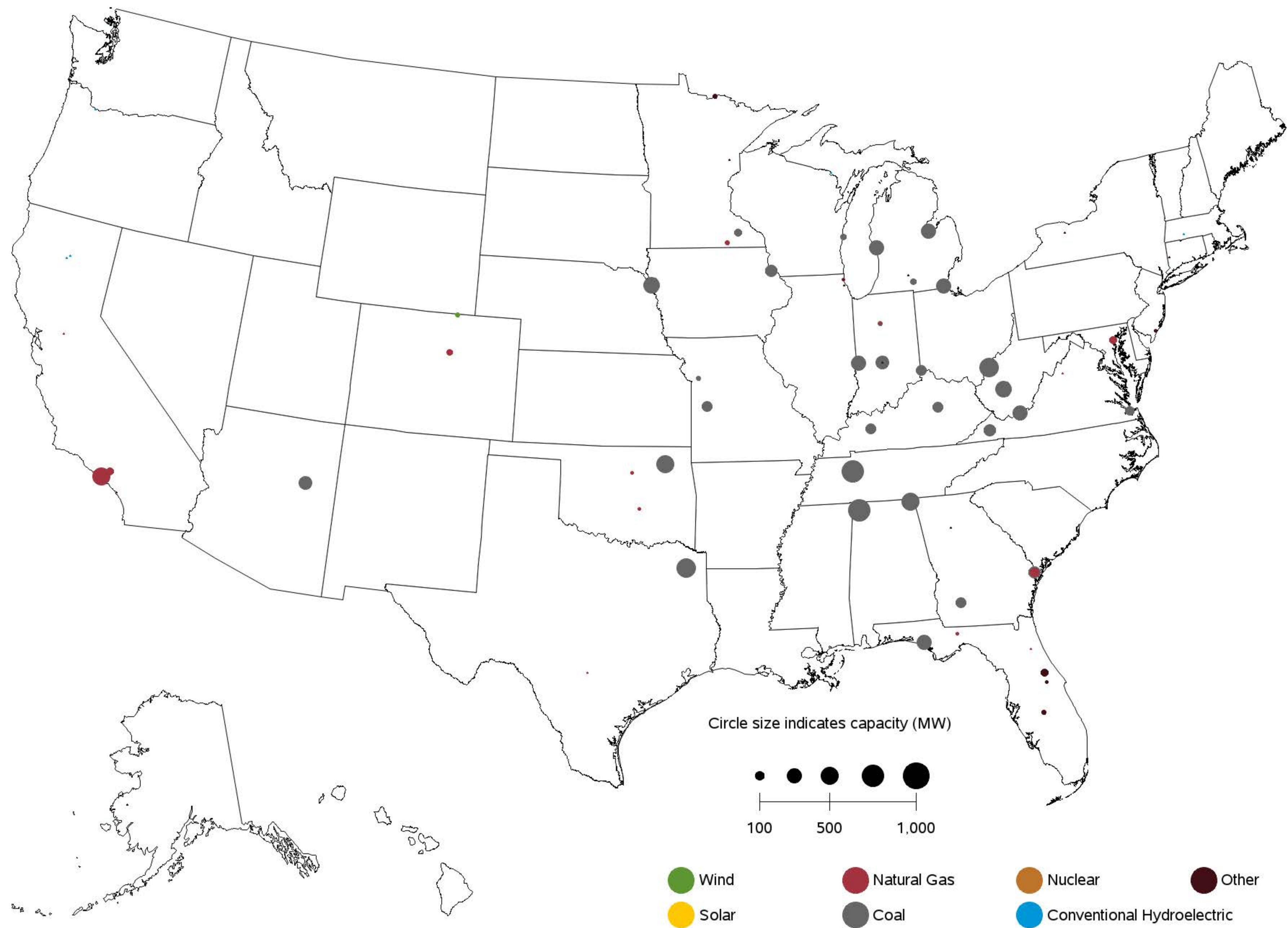
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	6	18	0	3	0	0	20
Connecticut	0	19	0	6	0	0	96
Maine	0	28	0	22	0	0	25
Massachusetts	8	31	0	3	0	0	59
New Hampshire	0	63	0	3	0	0	44
Rhode Island	0	134	0	2	0	0	881
Vermont	0	240	0	0	0	0	55
Middle Atlantic	1	6	70	2	12	0	4
New Jersey	0	29	143	3	29	0	328
New York	6	5	0	3	0	0	4
Pennsylvania	2	16	80	2	9	0	33
East North Central	0	4	3	2	4	0	22
Illinois	0	18	0	8	23	0	110
Indiana	0	10	0	6	5	0	29
Michigan	2	7	11	2	0	0	43
Ohio	1	6	3	3	14	0	52
Wisconsin	0	11	0	3	0	0	36
West North Central	1	11	107	4	62	0	6
Iowa	2	35	107	7	0	0	60
Kansas	0	31	0	24	0	0	455
Minnesota	4	44	0	3	0	0	68
Missouri	1	12	0	7	0	0	7
Nebraska	2	45	0	13	0	0	48
North Dakota	2	19	0	37	62	0	0
South Dakota	0	24	0	15	0	0	0
South Atlantic	0	4	0	0	0	0	13
Delaware	0	14	0	8	0	0	0
District of Columbia	0	0	0	341	0	0	0
Florida	0	7	0	0	0	0	124
Georgia	0	23	0	1	0	0	24
Maryland	0	29	0	14	0	0	10
North Carolina	1	14	0	1	0	0	22
South Carolina	0	13	0	2	0	0	32
Virginia	2	3	0	0	0	0	44
West Virginia	0	0	0	2	0	0	47
East South Central	0	11	0	1	55	0	8
Alabama	1	41	0	1	64	0	12
Kentucky	1	11	0	18	0	0	9
Mississippi	0	28	0	1	0	0	0
Tennessee	0	7	0	5	0	0	12
West South Central	0	8	5	0	4	0	7
Arkansas	0	2	0	2	0	0	9
Louisiana	0	13	5	1	6	0	0
Oklahoma	1	204	0	1	0	0	17
Texas	0	10	46	0	5	0	50
Mountain	1	6	0	1	5	0	5
Arizona	0	5	0	2	0	0	2
Colorado	0	68	0	4	0	0	39
Idaho	61	1,843	0	3	0	0	11
Montana	5	27	0	41	0	0	9
Nevada	0	3	0	1	0	0	5
New Mexico	0	10	0	5	0	0	166
Utah	1	26	0	5	229	0	73
Wyoming	2	6	0	22	4	0	8
Pacific Contiguous	1	20	324	1	5	0	2
California	21	23	324	2	6	0	4
Oregon	0	34	0	2	0	0	5
Washington	0	55	0	2	0	0	2
Pacific Noncontiguous	5	2	0	14	156	0	27
Alaska	15	11	0	14	0	0	28
Hawaii	4	1	0	0	156	0	92
U.S. Total	0	2	2	0	3	0	2

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

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

Total (All Sectors) by Census Division and State, August 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	12	3	0	6	2
Connecticut	0	0	0	67	6	0	10	3
Maine	0	0	0	0	2	0	17	10
Massachusetts	0	0	0	12	7	0	8	2
New Hampshire	0	0	0	0	10	0	51	2
Rhode Island	0	0	0	75	10	0	0	2
Vermont	0	0	0	38	11	0	0	31
Middle Atlantic	0	0	0	11	3	0	5	1
New Jersey	0	0	0	12	7	0	10	2
New York	0	0	0	23	3	0	9	2
Pennsylvania	0	0	0	39	4	0	7	1
East North Central	0	0	0	17	2	0	8	0
Illinois	0	0	0	41	2	0	27	0
Indiana	0	0	0	22	4	0	4	1
Michigan	0	0	0	0	4	0	14	1
Ohio	0	0	0	39	8	0	0	1
Wisconsin	0	0	0	211	6	0	40	1
West North Central	0	0	0	58	1	0	13	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	211	0	0	0	1
Minnesota	0	0	0	162	3	0	16	2
Missouri	0	0	0	65	6	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	70	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	6	2	0	4	0
Delaware	0	0	0	39	29	0	0	7
District of Columbia	0	0	0	0	0	0	0	341
Florida	0	0	0	12	5	0	4	0
Georgia	0	0	0	22	5	0	0	1
Maryland	0	0	0	22	7	0	1	3
North Carolina	0	0	0	8	5	0	30	1
South Carolina	0	0	0	134	3	0	26	1
Virginia	0	0	0	0	3	0	7	1
West Virginia	0	0	0	0	1	0	0	1
East South Central	0	0	0	33	5	0	10	0
Alabama	0	0	0	0	8	0	0	1
Kentucky	0	0	0	0	11	0	0	1
Mississippi	0	0	0	0	5	0	229	1
Tennessee	0	0	0	33	14	0	0	1
West South Central	0	0	0	9	1	0	10	0
Arkansas	0	0	0	0	6	0	0	1
Louisiana	0	0	0	0	9	0	10	1
Oklahoma	0	0	0	0	1	0	130	1
Texas	0	0	0	9	1	0	13	0
Mountain	0	6	0	2	1	0	7	1
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	14	1	0	68	1
Idaho	0	68	0	0	6	0	0	6
Montana	0	0	0	0	4	0	0	4
Nevada	0	6	0	3	4	0	83	1
New Mexico	0	159	0	10	4	0	0	1
Utah	0	9	0	53	6	0	6	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	4	0	1	1	0	11	1
California	0	4	0	1	1	0	12	1
Oregon	0	0	0	50	2	0	69	2
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	0	0	0	35	6	0	0	3
Alaska	0	0	0	0	39	0	0	10
Hawaii	0	0	0	35	5	0	0	2
U.S. Total	0	4	0	2	1	0	3	0

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	6	18	0	3	0	0	20
Connecticut	0	19	0	6	0	0	96
Maine	0	28	0	22	0	0	25
Massachusetts	8	31	0	3	0	0	59
New Hampshire	0	63	0	3	0	0	44
Rhode Island	0	134	0	2	0	0	881
Vermont	0	240	0	0	0	0	55
Middle Atlantic	1	6	70	2	12	0	4
New Jersey	0	29	143	3	29	0	328
New York	6	5	0	3	0	0	4
Pennsylvania	2	16	80	2	9	0	33
East North Central	0	4	3	2	4	0	22
Illinois	0	18	0	8	23	0	110
Indiana	0	10	0	6	5	0	29
Michigan	2	7	11	2	0	0	43
Ohio	1	6	3	3	14	0	52
Wisconsin	0	11	0	3	0	0	36
West North Central	1	11	107	4	62	0	6
Iowa	2	35	107	7	0	0	60
Kansas	0	31	0	24	0	0	455
Minnesota	4	44	0	3	0	0	68
Missouri	1	12	0	7	0	0	7
Nebraska	2	45	0	13	0	0	48
North Dakota	2	19	0	37	62	0	0
South Dakota	0	24	0	15	0	0	0
South Atlantic	0	4	0	0	0	0	13
Delaware	0	14	0	8	0	0	0
District of Columbia	0	0	0	341	0	0	0
Florida	0	7	0	0	0	0	124
Georgia	0	23	0	1	0	0	24
Maryland	0	29	0	14	0	0	10
North Carolina	1	14	0	1	0	0	22
South Carolina	0	13	0	2	0	0	32
Virginia	2	3	0	0	0	0	44
West Virginia	0	0	0	2	0	0	47
East South Central	0	11	0	1	55	0	8
Alabama	1	41	0	1	64	0	12
Kentucky	1	11	0	18	0	0	9
Mississippi	0	28	0	1	0	0	0
Tennessee	0	7	0	5	0	0	12
West South Central	0	8	5	0	4	0	7
Arkansas	0	2	0	2	0	0	9
Louisiana	0	13	5	1	6	0	0
Oklahoma	1	204	0	1	0	0	17
Texas	0	10	46	0	5	0	50
Mountain	1	6	0	1	5	0	5
Arizona	0	5	0	2	0	0	2
Colorado	0	68	0	4	0	0	39
Idaho	61	1,843	0	3	0	0	11
Montana	5	27	0	41	0	0	9
Nevada	0	3	0	1	0	0	5
New Mexico	0	10	0	5	0	0	166
Utah	1	26	0	5	229	0	73
Wyoming	2	6	0	22	4	0	8
Pacific Contiguous	1	20	324	1	5	0	2
California	21	23	324	2	6	0	4
Oregon	0	34	0	2	0	0	5
Washington	0	55	0	2	0	0	2
Pacific Noncontiguous	5	2	0	14	156	0	27
Alaska	15	11	0	14	0	0	28
Hawaii	4	1	0	0	156	0	92
U.S. Total	0	2	2	0	3	0	2

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through August 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	12	3	0	6	2
Connecticut	0	0	0	67	6	0	10	3
Maine	0	0	0	0	2	0	17	10
Massachusetts	0	0	0	12	7	0	8	2
New Hampshire	0	0	0	0	10	0	51	2
Rhode Island	0	0	0	75	10	0	0	2
Vermont	0	0	0	38	11	0	0	31
Middle Atlantic	0	0	0	11	3	0	5	1
New Jersey	0	0	0	12	7	0	10	2
New York	0	0	0	23	3	0	9	2
Pennsylvania	0	0	0	39	4	0	7	1
East North Central	0	0	0	17	2	0	8	0
Illinois	0	0	0	41	2	0	27	0
Indiana	0	0	0	22	4	0	4	1
Michigan	0	0	0	0	4	0	14	1
Ohio	0	0	0	39	8	0	0	1
Wisconsin	0	0	0	211	6	0	40	1
West North Central	0	0	0	58	1	0	13	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	211	0	0	0	1
Minnesota	0	0	0	162	3	0	16	2
Missouri	0	0	0	65	6	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	70	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	6	2	0	4	0
Delaware	0	0	0	39	29	0	0	7
District of Columbia	0	0	0	0	0	0	0	341
Florida	0	0	0	12	5	0	4	0
Georgia	0	0	0	22	5	0	0	1
Maryland	0	0	0	22	7	0	1	3
North Carolina	0	0	0	8	5	0	30	1
South Carolina	0	0	0	134	3	0	26	1
Virginia	0	0	0	0	3	0	7	1
West Virginia	0	0	0	0	1	0	0	1
East South Central	0	0	0	33	5	0	10	0
Alabama	0	0	0	0	8	0	0	1
Kentucky	0	0	0	0	11	0	0	1
Mississippi	0	0	0	0	5	0	229	1
Tennessee	0	0	0	33	14	0	0	1
West South Central	0	0	0	9	1	0	10	0
Arkansas	0	0	0	0	6	0	0	1
Louisiana	0	0	0	0	9	0	10	1
Oklahoma	0	0	0	0	1	0	130	1
Texas	0	0	0	9	1	0	13	0
Mountain	0	6	0	2	1	0	7	1
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	14	1	0	68	1
Idaho	0	68	0	0	6	0	0	6
Montana	0	0	0	0	4	0	0	4
Nevada	0	6	0	3	4	0	83	1
New Mexico	0	159	0	10	4	0	0	1
Utah	0	9	0	53	6	0	6	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	4	0	1	1	0	11	1
California	0	4	0	1	1	0	12	1
Oregon	0	0	0	50	2	0	69	2
Washington	0	0	0	0	1	0	38	1
Pacific Noncontiguous	0	0	0	35	6	0	0	3
Alaska	0	0	0	0	39	0	0	10
Hawaii	0	0	0	35	5	0	0	2
U.S. Total	0	4	0	2	1	0	3	0

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	31	0	5	0	0	56
Connecticut	0	149	0	0	0	0	324
Maine	0	753	0	0	0	0	0
Massachusetts	0	79	0	6	0	0	116
New Hampshire	0	4	0	0	0	0	68
Rhode Island	0	110	0	0	0	0	0
Vermont	0	127	0	0	0	0	90
Middle Atlantic	501	6	0	6	0	0	2
New Jersey	0	576	0	232	0	0	0
New York	501	6	0	6	0	0	2
Pennsylvania	0	570	0	615	0	0	205
East North Central	1	5	0	2	0	0	23
Illinois	0	40	0	25	0	0	284
Indiana	0	7	0	3	0	0	29
Michigan	2	8	0	7	0	0	45
Ohio	1	9	0	4	0	0	18
Wisconsin	0	21	0	3	0	0	39
West North Central	1	10	0	5	0	0	6
Iowa	2	33	0	7	0	0	60
Kansas	0	31	0	26	0	0	0
Minnesota	5	39	0	3	0	0	93
Missouri	1	12	0	11	0	0	7
Nebraska	2	45	0	13	0	0	48
North Dakota	2	14	0	0	0	0	0
South Dakota	0	20	0	15	0	0	0
South Atlantic	0	2	0	0	0	0	14
Delaware	0	529	0	268	0	0	0
Florida	0	3	0	0	0	0	124
Georgia	0	3	0	1	0	0	24
Maryland	0	75	0	0	0	0	0
North Carolina	0	6	0	1	0	0	22
South Carolina	0	8	0	2	0	0	32
Virginia	0	1	0	0	0	0	44
West Virginia	0	0	0	0	0	0	85
East South Central	0	5	0	1	0	0	8
Alabama	1	0	0	5	0	0	12
Kentucky	1	11	0	18	0	0	9
Mississippi	0	37	0	1	0	0	0
Tennessee	0	2	0	0	0	0	12
West South Central	0	4	0	1	0	0	8
Arkansas	0	3	0	5	0	0	8
Louisiana	0	17	0	1	0	0	0
Oklahoma	0	136	0	1	0	0	17
Texas	0	3	0	1	0	0	49
Mountain	1	6	0	2	0	0	5
Arizona	0	5	0	4	0	0	2
Colorado	0	68	0	4	0	0	39
Idaho	0	1,843	0	4	0	0	12
Montana	139	116	0	42	0	0	9
Nevada	0	4	0	0	0	0	1
New Mexico	0	10	0	7	0	0	166
Utah	0	22	0	3	0	0	73
Wyoming	2	6	0	175	0	0	7
Pacific Contiguous	0	7	0	2	0	0	2
California	0	5	0	3	0	0	4
Oregon	0	25	0	3	0	0	5
Washington	0	209	0	3	0	0	2
Pacific Noncontiguous	0	2	0	14	0	0	28
Alaska	0	12	0	14	0	0	28
Hawaii	0	1	0	0	0	0	373
U.S. Total	0	2	0	0	0	0	2

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

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

Electric Utilities by Census Division and State, August 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	106	4	0	0	15
Connecticut	0	0	0	0	0	0	0	262
Maine	0	0	0	0	0	0	0	753
Massachusetts	0	0	0	106	60	0	0	20
New Hampshire	0	0	0	0	0	0	0	15
Rhode Island	0	0	0	0	0	0	0	110
Vermont	0	0	0	0	0	0	0	38
Middle Atlantic	0	0	0	37	9	0	0	3
New Jersey	0	0	0	37	37	0	0	25
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	197
East North Central	0	0	0	68	3	0	22	1
Illinois	0	0	0	385	158	0	0	3
Indiana	0	0	0	80	19	0	0	1
Michigan	0	0	0	0	2	0	188	1
Ohio	0	0	0	132	63	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	8	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	5	0	0	2
Missouri	0	0	0	0	49	0	0	1
Nebraska	0	0	0	0	14	0	0	2
North Dakota	0	0	0	0	2	0	70	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	9	2	0	0	0
Delaware	0	0	0	106	106	0	0	227
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	90	90	0	0	1
Maryland	0	0	0	101	101	0	0	60
North Carolina	0	0	0	118	118	0	0	1
South Carolina	0	0	0	0	8	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	0	0	0	0	35	0	0	1
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	35	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	0	0	0	0	1	0	0	0
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	2	0	0	1
Mountain	0	0	0	10	3	0	83	1
Arizona	0	0	0	10	10	0	0	1
Colorado	0	0	0	0	18	0	0	1
Idaho	0	0	0	0	8	0	0	8
Montana	0	0	0	0	0	0	0	11
Nevada	0	0	0	0	0	0	83	0
New Mexico	0	0	0	27	27	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	0	0	13	1	0	0	1
California	0	0	0	13	3	0	0	2
Oregon	0	0	0	111	2	0	0	3
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	43	19	0	0	5
Alaska	0	0	0	0	60	0	0	10
Hawaii	0	0	0	43	14	0	0	2
U.S. Total	0	0	0	7	1	0	5	0

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	31	0	5	0	0	56
Connecticut	0	149	0	0	0	0	324
Maine	0	753	0	0	0	0	0
Massachusetts	0	79	0	6	0	0	116
New Hampshire	0	4	0	0	0	0	68
Rhode Island	0	110	0	0	0	0	0
Vermont	0	127	0	0	0	0	90
Middle Atlantic	501	6	0	6	0	0	2
New Jersey	0	576	0	232	0	0	0
New York	501	6	0	6	0	0	2
Pennsylvania	0	570	0	615	0	0	205
East North Central	1	5	0	2	0	0	23
Illinois	0	40	0	25	0	0	284
Indiana	0	7	0	3	0	0	29
Michigan	2	8	0	7	0	0	45
Ohio	1	9	0	4	0	0	18
Wisconsin	0	21	0	3	0	0	39
West North Central	1	10	0	5	0	0	6
Iowa	2	33	0	7	0	0	60
Kansas	0	31	0	26	0	0	0
Minnesota	5	39	0	3	0	0	93
Missouri	1	12	0	11	0	0	7
Nebraska	2	45	0	13	0	0	48
North Dakota	2	14	0	0	0	0	0
South Dakota	0	20	0	15	0	0	0
South Atlantic	0	2	0	0	0	0	14
Delaware	0	529	0	268	0	0	0
Florida	0	3	0	0	0	0	124
Georgia	0	3	0	1	0	0	24
Maryland	0	75	0	0	0	0	0
North Carolina	0	6	0	1	0	0	22
South Carolina	0	8	0	2	0	0	32
Virginia	0	1	0	0	0	0	44
West Virginia	0	0	0	0	0	0	85
East South Central	0	5	0	1	0	0	8
Alabama	1	0	0	5	0	0	12
Kentucky	1	11	0	18	0	0	9
Mississippi	0	37	0	1	0	0	0
Tennessee	0	2	0	0	0	0	12
West South Central	0	4	0	1	0	0	8
Arkansas	0	3	0	5	0	0	8
Louisiana	0	17	0	1	0	0	0
Oklahoma	0	136	0	1	0	0	17
Texas	0	3	0	1	0	0	49
Mountain	1	6	0	2	0	0	5
Arizona	0	5	0	4	0	0	2
Colorado	0	68	0	4	0	0	39
Idaho	0	1,843	0	4	0	0	12
Montana	139	116	0	42	0	0	9
Nevada	0	4	0	0	0	0	1
New Mexico	0	10	0	7	0	0	166
Utah	0	22	0	3	0	0	73
Wyoming	2	6	0	175	0	0	7
Pacific Contiguous	0	7	0	2	0	0	2
California	0	5	0	3	0	0	4
Oregon	0	25	0	3	0	0	5
Washington	0	209	0	3	0	0	2
Pacific Noncontiguous	0	2	0	14	0	0	28
Alaska	0	12	0	14	0	0	28
Hawaii	0	1	0	0	0	0	373
U.S. Total	0	2	0	0	0	0	2

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

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

Electric Utilities by Census Division and State, Year-to-Date through August 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	106	4	0	0	15
Connecticut	0	0	0	0	0	0	0	262
Maine	0	0	0	0	0	0	0	753
Massachusetts	0	0	0	106	60	0	0	20
New Hampshire	0	0	0	0	0	0	0	15
Rhode Island	0	0	0	0	0	0	0	110
Vermont	0	0	0	0	0	0	0	38
Middle Atlantic	0	0	0	37	9	0	0	3
New Jersey	0	0	0	37	37	0	0	25
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	197
East North Central	0	0	0	68	3	0	22	1
Illinois	0	0	0	385	158	0	0	3
Indiana	0	0	0	80	19	0	0	1
Michigan	0	0	0	0	2	0	188	1
Ohio	0	0	0	132	63	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	8	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	5	0	0	2
Missouri	0	0	0	0	49	0	0	1
Nebraska	0	0	0	0	14	0	0	2
North Dakota	0	0	0	0	2	0	70	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	9	2	0	0	0
Delaware	0	0	0	106	106	0	0	227
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	90	90	0	0	1
Maryland	0	0	0	101	101	0	0	60
North Carolina	0	0	0	118	118	0	0	1
South Carolina	0	0	0	0	8	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	0	0	0	0	35	0	0	1
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	35	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	0	0	0	0	1	0	0	0
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	2	0	0	1
Mountain	0	0	0	10	3	0	83	1
Arizona	0	0	0	10	10	0	0	1
Colorado	0	0	0	0	18	0	0	1
Idaho	0	0	0	0	8	0	0	8
Montana	0	0	0	0	0	0	0	11
Nevada	0	0	0	0	0	0	83	0
New Mexico	0	0	0	27	27	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	0	0	13	1	0	0	1
California	0	0	0	13	3	0	0	2
Oregon	0	0	0	111	2	0	0	3
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	43	19	0	0	5
Alaska	0	0	0	0	60	0	0	10
Hawaii	0	0	0	43	14	0	0	2
U.S. Total	0	0	0	7	1	0	5	0

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

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

Independent Power Producers by Census Division and State, August 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	11	0	1	0	0	22
Connecticut	0	14	0	3	0	0	100
Maine	0	2	0	1	0	0	27
Massachusetts	0	22	0	2	0	0	67
New Hampshire	0	2,630	0	0	0	0	53
Rhode Island	0	0	0	1	0	0	881
Vermont	0	0	0	0	0	0	69
Middle Atlantic	1	9	0	2	0	0	23
New Jersey	0	13	0	3	0	0	328
New York	0	6	0	4	0	0	29
Pennsylvania	2	15	0	2	0	0	33
East North Central	0	1	0	2	6	0	75
Illinois	0	0	0	4	0	0	94
Indiana	0	0	0	25	0	0	0
Michigan	39	17,784	0	2	0	0	163
Ohio	0	2	0	2	16	0	136
Wisconsin	0	4	0	0	0	0	166
West North Central	106	255	0	5	0	0	108
Iowa	0	416	0	3,525	0	0	659
Kansas	0	0	0	0	0	0	455
Minnesota	0	381	0	2	0	0	113
Missouri	106	0	0	8	0	0	0
South Dakota	0	601	0	0	0	0	0
South Atlantic	2	12	0	1	0	0	27
Delaware	0	14	0	9	0	0	0
Florida	0	95	0	5	0	0	0
Georgia	0	168	0	1	0	0	485
Maryland	0	17	0	8	0	0	10
North Carolina	26	203	0	0	0	0	245
South Carolina	0	226	0	7	0	0	199
Virginia	41	19	0	1	0	0	222
West Virginia	1	0	0	2	0	0	53
East South Central	0	411	0	0	0	0	650
Alabama	0	411	0	0	0	0	0
Kentucky	0	0	0	0	0	0	650
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	0	0	0	0	0	0	10
Arkansas	0	0	0	0	0	0	314
Louisiana	0	0	0	1	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	340
Mountain	5	18	0	1	0	0	33
Arizona	0	0	0	0	0	0	0
Colorado	92	0	0	14	0	0	121
Idaho	0	0	0	3	0	0	32
Montana	4	11	0	166	0	0	140
Nevada	0	0	0	10	0	0	222
New Mexico	0	0	0	2	0	0	0
Utah	50	360	0	42	0	0	519
Wyoming	92	0	0	239	0	0	522
Pacific Contiguous	1	68	324	1	0	0	33
California	105	85	324	2	0	0	32
Oregon	0	0	0	1	0	0	98
Washington	0	101	0	0	0	0	106
Pacific Noncontiguous	5	2	0	0	0	0	0
Alaska	41	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	0	3	2	0	3	0	12

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, August 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	12	4	0	6	1
Connecticut	0	0	0	67	6	0	10	2
Maine	0	0	0	0	2	0	15	8
Massachusetts	0	0	0	13	7	0	8	2
New Hampshire	0	0	0	0	12	0	51	2
Rhode Island	0	0	0	75	9	0	0	1
Vermont	0	0	0	38	26	0	0	47
Middle Atlantic	0	0	0	13	3	0	5	1
New Jersey	0	0	0	15	8	0	13	1
New York	0	0	0	23	4	0	7	2
Pennsylvania	0	0	0	42	4	0	8	1
East North Central	0	0	0	18	2	0	24	0
Illinois	0	0	0	41	2	0	0	0
Indiana	0	0	0	22	3	0	0	5
Michigan	0	0	0	0	5	0	24	1
Ohio	0	0	0	43	9	0	0	1
Wisconsin	0	0	0	211	12	0	0	2
West North Central	0	0	0	58	1	0	45	1
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	211	1	0	0	1
Minnesota	0	0	0	162	3	0	45	3
Missouri	0	0	0	65	5	0	0	7
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	7	4	0	6	1
Delaware	0	0	0	43	31	0	0	8
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	41	6	0	8	3
Georgia	0	0	0	23	10	0	0	1
Maryland	0	0	0	22	6	0	0	1
North Carolina	0	0	0	8	7	0	30	5
South Carolina	0	0	0	134	54	0	163	11
Virginia	0	0	0	0	7	0	0	3
West Virginia	0	0	0	0	1	0	0	1
East South Central	0	0	0	34	11	0	0	0
Alabama	0	0	0	0	5	0	0	0
Kentucky	0	0	0	0	0	0	0	5
Mississippi	0	0	0	0	100	0	0	0
Tennessee	0	0	0	34	24	0	0	24
West South Central	0	0	0	9	0	0	180	0
Arkansas	0	0	0	0	34	0	0	1
Louisiana	0	0	0	0	40	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	9	0	0	180	0
Mountain	0	6	0	2	1	0	4	2
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	13	1	0	231	5
Idaho	0	68	0	0	7	0	0	7
Montana	0	0	0	0	4	0	0	4
Nevada	0	6	0	3	4	0	0	4
New Mexico	0	159	0	10	4	0	0	2
Utah	0	22	0	53	7	0	204	19
Wyoming	0	0	0	0	4	0	0	32
Pacific Contiguous	0	4	0	1	1	0	19	1
California	0	4	0	1	1	0	21	1
Oregon	0	0	0	56	2	0	69	1
Washington	0	0	0	0	1	0	49	1
Pacific Noncontiguous	0	0	0	58	7	0	0	3
Alaska	0	0	0	0	83	0	0	37
Hawaii	0	0	0	58	7	0	0	2
U.S. Total	0	4	0	2	1	0	4	0

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	11	0	1	0	0	22
Connecticut	0	14	0	3	0	0	100
Maine	0	2	0	1	0	0	27
Massachusetts	0	22	0	2	0	0	67
New Hampshire	0	2,630	0	0	0	0	53
Rhode Island	0	0	0	1	0	0	881
Vermont	0	0	0	0	0	0	69
Middle Atlantic	1	9	0	2	0	0	23
New Jersey	0	13	0	3	0	0	328
New York	0	6	0	4	0	0	29
Pennsylvania	2	15	0	2	0	0	33
East North Central	0	1	0	2	6	0	75
Illinois	0	0	0	4	0	0	94
Indiana	0	0	0	25	0	0	0
Michigan	39	17,784	0	2	0	0	163
Ohio	0	2	0	2	16	0	136
Wisconsin	0	4	0	0	0	0	166
West North Central	106	255	0	5	0	0	108
Iowa	0	416	0	3,525	0	0	659
Kansas	0	0	0	0	0	0	455
Minnesota	0	381	0	2	0	0	113
Missouri	106	0	0	8	0	0	0
South Dakota	0	601	0	0	0	0	0
South Atlantic	2	12	0	1	0	0	27
Delaware	0	14	0	9	0	0	0
Florida	0	95	0	5	0	0	0
Georgia	0	168	0	1	0	0	485
Maryland	0	17	0	8	0	0	10
North Carolina	26	203	0	0	0	0	245
South Carolina	0	226	0	7	0	0	199
Virginia	41	19	0	1	0	0	222
West Virginia	1	0	0	2	0	0	53
East South Central	0	411	0	0	0	0	650
Alabama	0	411	0	0	0	0	0
Kentucky	0	0	0	0	0	0	650
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	0	0	0	0	0	0	10
Arkansas	0	0	0	0	0	0	314
Louisiana	0	0	0	1	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	340
Mountain	5	18	0	1	0	0	33
Arizona	0	0	0	0	0	0	0
Colorado	92	0	0	14	0	0	121
Idaho	0	0	0	3	0	0	32
Montana	4	11	0	166	0	0	140
Nevada	0	0	0	10	0	0	222
New Mexico	0	0	0	2	0	0	0
Utah	50	360	0	42	0	0	519
Wyoming	92	0	0	239	0	0	522
Pacific Contiguous	1	68	324	1	0	0	33
California	105	85	324	2	0	0	32
Oregon	0	0	0	1	0	0	98
Washington	0	101	0	0	0	0	106
Pacific Noncontiguous	5	2	0	0	0	0	0
Alaska	41	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	0	3	2	0	3	0	12

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 August 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	12	4	0	6	1
Connecticut	0	0	0	67	6	0	10	2
Maine	0	0	0	0	2	0	15	8
Massachusetts	0	0	0	13	7	0	8	2
New Hampshire	0	0	0	0	12	0	51	2
Rhode Island	0	0	0	75	9	0	0	1
Vermont	0	0	0	38	26	0	0	47
Middle Atlantic	0	0	0	13	3	0	5	1
New Jersey	0	0	0	15	8	0	13	1
New York	0	0	0	23	4	0	7	2
Pennsylvania	0	0	0	42	4	0	8	1
East North Central	0	0	0	18	2	0	24	0
Illinois	0	0	0	41	2	0	0	0
Indiana	0	0	0	22	3	0	0	5
Michigan	0	0	0	0	5	0	24	1
Ohio	0	0	0	43	9	0	0	1
Wisconsin	0	0	0	211	12	0	0	2
West North Central	0	0	0	58	1	0	45	1
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	211	1	0	0	1
Minnesota	0	0	0	162	3	0	45	3
Missouri	0	0	0	65	5	0	0	7
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	7	4	0	6	1
Delaware	0	0	0	43	31	0	0	8
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	41	6	0	8	3
Georgia	0	0	0	23	10	0	0	1
Maryland	0	0	0	22	6	0	0	1
North Carolina	0	0	0	8	7	0	30	5
South Carolina	0	0	0	134	54	0	163	11
Virginia	0	0	0	0	7	0	0	3
West Virginia	0	0	0	0	1	0	0	1
East South Central	0	0	0	34	11	0	0	0
Alabama	0	0	0	0	5	0	0	0
Kentucky	0	0	0	0	0	0	0	5
Mississippi	0	0	0	0	100	0	0	0
Tennessee	0	0	0	34	24	0	0	24
West South Central	0	0	0	9	0	0	180	0
Arkansas	0	0	0	0	34	0	0	1
Louisiana	0	0	0	0	40	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	9	0	0	180	0
Mountain	0	6	0	2	1	0	4	2
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	13	1	0	231	5
Idaho	0	68	0	0	7	0	0	7
Montana	0	0	0	0	4	0	0	4
Nevada	0	6	0	3	4	0	0	4
New Mexico	0	159	0	10	4	0	0	2
Utah	0	22	0	53	7	0	204	19
Wyoming	0	0	0	0	4	0	0	32
Pacific Contiguous	0	4	0	1	1	0	19	1
California	0	4	0	1	1	0	21	1
Oregon	0	0	0	56	2	0	69	1
Washington	0	0	0	0	1	0	49	1
Pacific Noncontiguous	0	0	0	58	7	0	0	3
Alaska	0	0	0	0	83	0	0	37
Hawaii	0	0	0	58	7	0	0	2
U.S. Total	0	4	0	2	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.4.A. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, August 2015**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	124	0	77	0	0	775
Connecticut	0	338	0	159	0	0	0
Maine	0	701	0	525	0	0	0
Massachusetts	0	164	0	69	0	0	775
New Hampshire	0	284	0	622	0	0	0
Rhode Island	0	296	0	406	0	0	0
Vermont	0	1,120	0	0	0	0	0
Middle Atlantic	205	37	0	72	0	0	790
New Jersey	0	516	0	199	0	0	0
New York	0	38	0	77	0	0	790
Pennsylvania	205	125	0	233	0	0	0
East North Central	17	201	0	42	0	0	1,171
Illinois	62	939	0	81	0	0	1,171
Indiana	30	2,164	0	116	0	0	0
Michigan	0	36	0	17	0	0	0
Ohio	335	756	0	193	0	0	0
Wisconsin	368	371	0	52	0	0	0
West North Central	49	229	0	19	0	0	0
Iowa	49	928	0	74	0	0	0
Minnesota	0	243	0	51	0	0	0
Missouri	0	1,894	0	0	0	0	0
Nebraska	0	0	0	1,033	0	0	0
North Dakota	0	1,519	0	0	0	0	0
South Dakota	0	2,273	0	0	0	0	0
South Atlantic	56	185	0	104	0	0	412
District of Columbia	0	0	0	341	0	0	0
Florida	0	0	0	100	0	0	0
Georgia	0	293	0	0	0	0	0
Maryland	309	216	0	127	0	0	0
North Carolina	0	1,099	0	0	0	0	430
South Carolina	0	951	0	178	0	0	994
Virginia	288	438	0	376	0	0	0
East South Central	0	1,349	0	189	0	0	0
Mississippi	0	0	0	160	0	0	0
Tennessee	0	1,349	0	212	0	0	0
West South Central	0	386	0	19	0	0	0
Arkansas	0	0	0	809	0	0	0
Louisiana	0	0	0	56	0	0	0
Oklahoma	0	34,569	0	114	0	0	0
Texas	0	382	0	20	0	0	0
Mountain	0	1,914	0	33	0	0	613
Arizona	0	1,914	0	53	0	0	0
Colorado	0	0	0	0	0	0	613
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	72	0	0	0
New Mexico	0	0	0	72	0	0	0
Utah	0	0	0	66	0	0	0
Pacific Contiguous	0	269	0	17	0	0	475
California	0	428	0	17	0	0	475
Oregon	0	505	0	65	0	0	0
Washington	0	449	0	124	0	0	0
Pacific Noncontiguous	33	53	0	221	0	0	0
Alaska	33	96	0	221	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	18	56	0	22	0	0	254

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, August 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	116	28	0	44	56
Connecticut	0	0	0	0	0	0	0	159
Maine	0	0	0	0	35	0	44	65
Massachusetts	0	0	0	116	86	0	0	63
New Hampshire	0	0	0	0	50	0	0	178
Rhode Island	0	0	0	0	183	0	0	312
Vermont	0	0	0	0	346	0	0	351
Middle Atlantic	0	0	0	24	10	0	14	36
New Jersey	0	0	0	24	14	0	0	58
New York	0	0	0	193	22	0	30	49
Pennsylvania	0	0	0	172	11	0	0	95
East North Central	0	0	0	174	14	0	19	31
Illinois	0	0	0	0	298	0	0	76
Indiana	0	0	0	0	74	0	99	85
Michigan	0	0	0	0	12	0	18	10
Ohio	0	0	0	174	174	0	0	188
Wisconsin	0	0	0	0	114	0	0	49
West North Central	0	0	0	0	41	0	86	16
Iowa	0	0	0	0	66	0	0	35
Minnesota	0	0	0	0	63	0	86	38
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	84	0	0	87
North Dakota	0	0	0	0	0	0	0	1,519
South Dakota	0	0	0	0	0	0	0	2,273
South Atlantic	0	0	0	31	13	0	17	49
Delaware	0	0	0	185	158	0	0	158
District of Columbia	0	0	0	0	0	0	0	341
Florida	0	0	0	218	75	0	0	80
Georgia	0	0	0	180	65	0	0	64
Maryland	0	0	0	127	87	0	816	117
North Carolina	0	0	0	33	26	0	0	24
South Carolina	0	0	0	0	0	0	0	198
Virginia	0	0	0	0	12	0	17	12
East South Central	0	0	0	240	240	0	0	186
Mississippi	0	0	0	0	0	0	0	160
Tennessee	0	0	0	240	240	0	0	208
West South Central	0	0	0	192	56	0	0	19
Arkansas	0	0	0	0	148	0	0	205
Louisiana	0	0	0	0	0	0	0	56
Oklahoma	0	0	0	0	0	0	0	114
Texas	0	0	0	192	59	0	0	19
Mountain	0	0	0	27	27	0	0	24
Arizona	0	0	0	61	61	0	0	45
Colorado	0	0	0	85	75	0	0	109
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	32	32	0	0	33
New Mexico	0	0	0	0	294	0	0	70
Utah	0	0	0	0	0	0	0	66
Pacific Contiguous	0	0	0	27	9	0	0	10
California	0	0	0	27	9	0	0	10
Oregon	0	0	0	0	69	0	0	53
Washington	0	0	0	0	0	0	0	121
Pacific Noncontiguous	0	0	0	0	7	0	0	7
Alaska	0	0	0	0	53	0	0	28
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	14	6	0	9	14

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 August 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	124	0	77	0	0	775
Connecticut	0	338	0	159	0	0	0
Maine	0	701	0	525	0	0	0
Massachusetts	0	164	0	69	0	0	775
New Hampshire	0	284	0	622	0	0	0
Rhode Island	0	296	0	406	0	0	0
Vermont	0	1,120	0	0	0	0	0
Middle Atlantic	205	37	0	72	0	0	790
New Jersey	0	516	0	199	0	0	0
New York	0	38	0	77	0	0	790
Pennsylvania	205	125	0	233	0	0	0
East North Central	17	201	0	42	0	0	1,171
Illinois	62	939	0	81	0	0	1,171
Indiana	30	2,164	0	116	0	0	0
Michigan	0	36	0	17	0	0	0
Ohio	335	756	0	193	0	0	0
Wisconsin	368	371	0	52	0	0	0
West North Central	49	229	0	19	0	0	0
Iowa	49	928	0	74	0	0	0
Minnesota	0	243	0	51	0	0	0
Missouri	0	1,894	0	0	0	0	0
Nebraska	0	0	0	1,033	0	0	0
North Dakota	0	1,519	0	0	0	0	0
South Dakota	0	2,273	0	0	0	0	0
South Atlantic	56	185	0	104	0	0	412
District of Columbia	0	0	0	341	0	0	0
Florida	0	0	0	100	0	0	0
Georgia	0	293	0	0	0	0	0
Maryland	309	216	0	127	0	0	0
North Carolina	0	1,099	0	0	0	0	430
South Carolina	0	951	0	178	0	0	994
Virginia	288	438	0	376	0	0	0
East South Central	0	1,349	0	189	0	0	0
Mississippi	0	0	0	160	0	0	0
Tennessee	0	1,349	0	212	0	0	0
West South Central	0	386	0	19	0	0	0
Arkansas	0	0	0	809	0	0	0
Louisiana	0	0	0	56	0	0	0
Oklahoma	0	34,569	0	114	0	0	0
Texas	0	382	0	20	0	0	0
Mountain	0	1,914	0	33	0	0	613
Arizona	0	1,914	0	53	0	0	0
Colorado	0	0	0	0	0	0	613
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	72	0	0	0
New Mexico	0	0	0	72	0	0	0
Utah	0	0	0	66	0	0	0
Pacific Contiguous	0	269	0	17	0	0	475
California	0	428	0	17	0	0	475
Oregon	0	505	0	65	0	0	0
Washington	0	449	0	124	0	0	0
Pacific Noncontiguous	33	53	0	221	0	0	0
Alaska	33	96	0	221	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	18	56	0	22	0	0	254

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 August 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	116	28	0	44	56
Connecticut	0	0	0	0	0	0	0	159
Maine	0	0	0	0	35	0	44	65
Massachusetts	0	0	0	116	86	0	0	63
New Hampshire	0	0	0	0	50	0	0	178
Rhode Island	0	0	0	0	183	0	0	312
Vermont	0	0	0	0	346	0	0	351
Middle Atlantic	0	0	0	24	10	0	14	36
New Jersey	0	0	0	24	14	0	0	58
New York	0	0	0	193	22	0	30	49
Pennsylvania	0	0	0	172	11	0	0	95
East North Central	0	0	0	174	14	0	19	31
Illinois	0	0	0	0	298	0	0	76
Indiana	0	0	0	0	74	0	99	85
Michigan	0	0	0	0	12	0	18	10
Ohio	0	0	0	174	174	0	0	188
Wisconsin	0	0	0	0	114	0	0	49
West North Central	0	0	0	0	41	0	86	16
Iowa	0	0	0	0	66	0	0	35
Minnesota	0	0	0	0	63	0	86	38
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	84	0	0	87
North Dakota	0	0	0	0	0	0	0	1,519
South Dakota	0	0	0	0	0	0	0	2,273
South Atlantic	0	0	0	31	13	0	17	49
Delaware	0	0	0	185	158	0	0	158
District of Columbia	0	0	0	0	0	0	0	341
Florida	0	0	0	218	75	0	0	80
Georgia	0	0	0	180	65	0	0	64
Maryland	0	0	0	127	87	0	816	117
North Carolina	0	0	0	33	26	0	0	24
South Carolina	0	0	0	0	0	0	0	198
Virginia	0	0	0	0	12	0	17	12
East South Central	0	0	0	240	240	0	0	186
Mississippi	0	0	0	0	0	0	0	160
Tennessee	0	0	0	240	240	0	0	208
West South Central	0	0	0	192	56	0	0	19
Arkansas	0	0	0	0	148	0	0	205
Louisiana	0	0	0	0	0	0	0	56
Oklahoma	0	0	0	0	0	0	0	114
Texas	0	0	0	192	59	0	0	19
Mountain	0	0	0	27	27	0	0	24
Arizona	0	0	0	61	61	0	0	45
Colorado	0	0	0	85	75	0	0	109
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	32	32	0	0	33
New Mexico	0	0	0	0	294	0	0	70
Utah	0	0	0	0	0	0	0	66
Pacific Contiguous	0	0	0	27	9	0	0	10
California	0	0	0	27	9	0	0	10
Oregon	0	0	0	0	69	0	0	53
Washington	0	0	0	0	0	0	0	121
Pacific Noncontiguous	0	0	0	0	7	0	0	7
Alaska	0	0	0	0	53	0	0	28
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	14	6	0	9	14

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, August 2015**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	72	129	0	76	0	0	63
Connecticut	0	909	0	118	0	0	0
Maine	0	137	0	108	0	0	63
Massachusetts	105	325	0	205	0	0	858
New Hampshire	0	706	0	511	0	0	0
Middle Atlantic	13	51	70	68	12	0	253
New Jersey	0	268	143	137	29	0	0
New York	0	6	0	162	0	0	253
Pennsylvania	23	189	80	84	9	0	0
East North Central	6	33	41	51	6	0	120
Illinois	7	0	0	131	23	0	0
Indiana	141	19	0	73	5	0	0
Michigan	46	93	93	26	0	0	301
Ohio	26	145	244	234	26	0	0
Wisconsin	12	410	0	51	0	0	130
West North Central	8	256	130	41	62	0	190
Iowa	8	916	130	60	0	0	0
Kansas	0	0	0	56	0	0	0
Minnesota	21	381	0	63	0	0	190
Missouri	87	0	0	837	0	0	0
Nebraska	29	0	0	0	0	0	0
North Dakota	57	264	0	129	62	0	0
South Atlantic	12	45	0	11	0	0	40
Delaware	0	0	0	0	0	0	0
Florida	72	123	0	15	0	0	0
Georgia	31	70	0	21	0	0	424
Maryland	0	600	0	325	0	0	0
North Carolina	59	153	0	57	0	0	994
South Carolina	33	0	0	124	0	0	0
Virginia	28	183	0	24	0	0	567
West Virginia	3	0	0	727	0	0	26
East South Central	5	90	0	28	55	0	0
Alabama	52	96	0	18	64	0	0
Kentucky	0	0	0	167	0	0	0
Mississippi	0	0	0	31	0	0	0
Tennessee	1	1,507	0	77	0	0	0
West South Central	40	123	42	2	5	0	0
Arkansas	0	0	0	22	0	0	0
Louisiana	0	0	52	2	6	0	0
Oklahoma	45	517	0	91	0	0	0
Texas	0	325	46	2	11	0	0
Mountain	9	595	0	17	5	0	0
Colorado	319	2,041	0	227	0	0	0
Idaho	61	0	0	47	0	0	0
Montana	194	0	0	0	0	0	0
Nevada	0	0	0	91	0	0	0
New Mexico	0	1,869	0	0	0	0	0
Utah	0	615	0	30	229	0	0
Wyoming	27	1,156	0	10	4	0	0
Pacific Contiguous	0	50	0	6	6	0	0
California	0	85	0	6	6	0	0
Oregon	0	0	0	35	0	0	0
Washington	0	60	0	0	0	0	0
Pacific Noncontiguous	139	18	0	74	156	0	244
Alaska	0	53	0	74	0	0	0
Hawaii	139	16	0	0	156	0	244
U.S. Total	4	16	26	3	3	0	39

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, August 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	0	6	0	37	36
Connecticut	0	0	0	0	0	0	0	117
Maine	0	0	0	0	6	0	37	32
Massachusetts	0	0	0	0	275	0	0	175
New Hampshire	0	0	0	0	0	0	0	505
Middle Atlantic	0	0	0	101	12	0	0	29
New Jersey	0	0	0	287	287	0	0	89
New York	0	0	0	0	4	0	0	45
Pennsylvania	0	0	0	107	17	0	0	35
East North Central	0	0	0	172	10	0	10	9
Illinois	0	0	0	0	0	0	27	21
Indiana	0	0	0	0	53	0	0	13
Michigan	0	0	0	0	17	0	0	15
Ohio	0	0	0	172	17	0	0	33
Wisconsin	0	0	0	0	16	0	79	13
West North Central	0	0	0	0	14	0	59	8
Iowa	0	0	0	0	0	0	0	9
Kansas	0	0	0	0	0	0	0	56
Minnesota	0	0	0	0	14	0	59	16
Missouri	0	0	0	0	330	0	0	196
Nebraska	0	0	0	0	0	0	0	29
North Dakota	0	0	0	0	0	0	0	42
South Atlantic	0	0	0	0	3	0	5	3
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	10	0	6	6
Georgia	0	0	0	0	5	0	0	5
Maryland	0	0	0	0	0	0	0	103
North Carolina	0	0	0	0	10	0	0	13
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	6	0	0	8
West Virginia	0	0	0	0	0	0	0	8
East South Central	0	0	0	0	6	0	35	7
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0	0	0	8	0	0	78
Mississippi	0	0	0	0	5	0	229	7
Tennessee	0	0	0	0	16	0	0	11
West South Central	0	0	0	0	6	0	10	1
Arkansas	0	0	0	0	6	0	0	6
Louisiana	0	0	0	0	9	0	10	2
Oklahoma	0	0	0	0	30	0	130	27
Texas	0	0	0	0	14	0	13	2
Mountain	0	0	0	149	6	0	15	7
Colorado	0	0	0	0	286	0	72	75
Idaho	0	0	0	0	4	0	0	15
Montana	0	0	0	0	0	0	0	194
Nevada	0	0	0	149	149	0	0	88
New Mexico	0	0	0	0	0	0	0	1,869
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	10
Pacific Contiguous	0	0	0	127	9	0	14	4
California	0	0	0	127	21	0	14	5
Oregon	0	0	0	0	16	0	0	15
Washington	0	0	0	0	10	0	0	10
Pacific Noncontiguous	0	0	0	0	33	0	0	26
Alaska	0	0	0	0	0	0	0	45
Hawaii	0	0	0	0	32	0	0	31
U.S. Total	0	0	0	66	3	0	5	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 August 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	72	129	0	76	0	0	63
Connecticut	0	909	0	118	0	0	0
Maine	0	137	0	108	0	0	63
Massachusetts	105	325	0	205	0	0	858
New Hampshire	0	706	0	511	0	0	0
Middle Atlantic	13	51	70	68	12	0	253
New Jersey	0	268	143	137	29	0	0
New York	0	6	0	162	0	0	253
Pennsylvania	23	189	80	84	9	0	0
East North Central	6	33	41	51	6	0	120
Illinois	7	0	0	131	23	0	0
Indiana	141	19	0	73	5	0	0
Michigan	46	93	93	26	0	0	301
Ohio	26	145	244	234	26	0	0
Wisconsin	12	410	0	51	0	0	130
West North Central	8	256	130	41	62	0	190
Iowa	8	916	130	60	0	0	0
Kansas	0	0	0	56	0	0	0
Minnesota	21	381	0	63	0	0	190
Missouri	87	0	0	837	0	0	0
Nebraska	29	0	0	0	0	0	0
North Dakota	57	264	0	129	62	0	0
South Atlantic	12	45	0	11	0	0	40
Delaware	0	0	0	0	0	0	0
Florida	72	123	0	15	0	0	0
Georgia	31	70	0	21	0	0	424
Maryland	0	600	0	325	0	0	0
North Carolina	59	153	0	57	0	0	994
South Carolina	33	0	0	124	0	0	0
Virginia	28	183	0	24	0	0	567
West Virginia	3	0	0	727	0	0	26
East South Central	5	90	0	28	55	0	0
Alabama	52	96	0	18	64	0	0
Kentucky	0	0	0	167	0	0	0
Mississippi	0	0	0	31	0	0	0
Tennessee	1	1,507	0	77	0	0	0
West South Central	40	123	42	2	5	0	0
Arkansas	0	0	0	22	0	0	0
Louisiana	0	0	52	2	6	0	0
Oklahoma	45	517	0	91	0	0	0
Texas	0	325	46	2	11	0	0
Mountain	9	595	0	17	5	0	0
Colorado	319	2,041	0	227	0	0	0
Idaho	61	0	0	47	0	0	0
Montana	194	0	0	0	0	0	0
Nevada	0	0	0	91	0	0	0
New Mexico	0	1,869	0	0	0	0	0
Utah	0	615	0	30	229	0	0
Wyoming	27	1,156	0	10	4	0	0
Pacific Contiguous	0	50	0	6	6	0	0
California	0	85	0	6	6	0	0
Oregon	0	0	0	35	0	0	0
Washington	0	60	0	0	0	0	0
Pacific Noncontiguous	139	18	0	74	156	0	244
Alaska	0	53	0	74	0	0	0
Hawaii	139	16	0	0	156	0	244
U.S. Total	4	16	26	3	3	0	39

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 August 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	0	6	0	37	36
Connecticut	0	0	0	0	0	0	0	117
Maine	0	0	0	0	6	0	37	32
Massachusetts	0	0	0	0	275	0	0	175
New Hampshire	0	0	0	0	0	0	0	505
Middle Atlantic	0	0	0	101	12	0	0	29
New Jersey	0	0	0	287	287	0	0	89
New York	0	0	0	0	4	0	0	45
Pennsylvania	0	0	0	107	17	0	0	35
East North Central	0	0	0	172	10	0	10	9
Illinois	0	0	0	0	0	0	27	21
Indiana	0	0	0	0	53	0	0	13
Michigan	0	0	0	0	17	0	0	15
Ohio	0	0	0	172	17	0	0	33
Wisconsin	0	0	0	0	16	0	79	13
West North Central	0	0	0	0	14	0	59	8
Iowa	0	0	0	0	0	0	0	9
Kansas	0	0	0	0	0	0	0	56
Minnesota	0	0	0	0	14	0	59	16
Missouri	0	0	0	0	330	0	0	196
Nebraska	0	0	0	0	0	0	0	29
North Dakota	0	0	0	0	0	0	0	42
South Atlantic	0	0	0	0	3	0	5	3
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	10	0	6	6
Georgia	0	0	0	0	5	0	0	5
Maryland	0	0	0	0	0	0	0	103
North Carolina	0	0	0	0	10	0	0	13
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	6	0	0	8
West Virginia	0	0	0	0	0	0	0	8
East South Central	0	0	0	0	6	0	35	7
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0	0	0	8	0	0	78
Mississippi	0	0	0	0	5	0	229	7
Tennessee	0	0	0	0	16	0	0	11
West South Central	0	0	0	0	6	0	10	1
Arkansas	0	0	0	0	6	0	0	6
Louisiana	0	0	0	0	9	0	10	2
Oklahoma	0	0	0	0	30	0	130	27
Texas	0	0	0	0	14	0	13	2
Mountain	0	0	0	149	6	0	15	7
Colorado	0	0	0	0	286	0	72	75
Idaho	0	0	0	0	4	0	0	15
Montana	0	0	0	0	0	0	0	194
Nevada	0	0	0	149	149	0	0	88
New Mexico	0	0	0	0	0	0	0	1,869
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	10
Pacific Contiguous	0	0	0	127	9	0	14	4
California	0	0	0	127	21	0	14	5
Oregon	0	0	0	0	16	0	0	15
Washington	0	0	0	0	10	0	0	10
Pacific Noncontiguous	0	0	0	0	33	0	0	26
Alaska	0	0	0	0	0	0	0	45
Hawaii	0	0	0	0	32	0	0	31
U.S. Total	0	0	0	66	3	0	5	2

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

**Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers
by End-Use Sector, Census Division, and State, August 2015**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	4	0	1
Connecticut	1	1	5	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	9	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	4	3	9	0	3
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	3	0	0
Pennsylvania	1	0	1	0	0
East North Central	1	1	1	0	0
Illinois	1	1	2	0	1
Indiana	2	1	2	0	1
Michigan	1	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	2	7	4	0	3
Kansas	2	1	4	0	1
Minnesota	2	4	5	0	2
Missouri	2	1	6	0	1
Nebraska	2	7	6	0	3
North Dakota	2	5	8	0	4
South Dakota	3	9	9	0	4
South Atlantic	1	0	1	0	0
Delaware	2	2	9	0	2
District of Columbia	0	0	0	0	0
Florida	1	0	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	5	0	1
North Carolina	1	1	2	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	1	1	2	0	1
Alabama	1	1	1	0	1
Kentucky	2	2	4	0	2
Mississippi	2	1	3	0	1
Tennessee	1	1	5	0	1
West South Central	1	0	1	0	0
Arkansas	2	1	2	0	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	3	0	1
Texas	1	0	1	0	0
Mountain	1	2	1	0	1
Arizona	0	2	2	0	1
Colorado	2	5	5	0	2
Idaho	2	4	2	0	2
Montana	3	7	6	0	3
Nevada	1	3	1	0	1
New Mexico	3	7	6	0	4
Utah	2	5	2	0	2
Wyoming	3	7	3	0	2
Pacific Contiguous	0	1	2	0	1
California	0	1	1	0	1
Oregon	2	4	9	0	3
Washington	1	4	5	0	2
Pacific Noncontiguous	1	4	3	0	2
Alaska	4	10	11	0	5
Hawaii	0	0	0	0	0
U.S. Total	0	0	1	0	0

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	3	0	1
Connecticut	0	1	4	0	1
Maine	11	3	5	0	5
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	1	1	2	0	1
Michigan	0	1	2	0	1
Ohio	0	1	2	0	1
Wisconsin	0	2	2	0	1
West North Central	0	1	1	0	1
Iowa	1	5	2	0	2
Kansas	1	1	2	0	1
Minnesota	1	3	3	0	1
Missouri	1	1	4	0	1
Nebraska	1	5	4	0	2
North Dakota	1	3	5	0	2
South Dakota	1	7	5	0	3
South Atlantic	0	0	1	0	0
Delaware	2	2	6	0	2
District of Columbia	3	1	4	0	1
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	1	1	4	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	4	0	1
West South Central	0	0	1	0	0
Arkansas	1	1	2	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	1
Arizona	0	2	2	0	1
Colorado	1	4	3	0	2
Idaho	0	3	1	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	6	0	3
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	0	0

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	3	0	0
Connecticut	0	1	5	0	1
Maine	1	1	3	0	1
Massachusetts	1	1	5	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	3	3	7	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	0	1	1	0	0
Illinois	1	1	3	0	1
Indiana	1	2	2	0	1
Michigan	1	1	3	0	1
Ohio	1	1	3	0	1
Wisconsin	1	2	4	0	1
West North Central	1	1	2	0	1
Iowa	2	5	4	0	2
Kansas	2	2	4	0	1
Minnesota	2	3	6	0	2
Missouri	1	1	5	0	1
Nebraska	2	6	6	0	3
North Dakota	3	4	7	0	3
South Dakota	3	7	10	0	4
South Atlantic	1	0	1	0	0
Delaware	1	2	10	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	2	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	2	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	1	1	0	0	0
East South Central	1	1	2	0	1
Alabama	2	1	2	0	1
Kentucky	2	2	4	0	1
Mississippi	3	2	3	0	2
Tennessee	1	2	4	0	1
West South Central	1	1	1	0	1
Arkansas	2	2	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	1	1	0	1
Mountain	1	2	2	0	1
Arizona	1	2	4	0	1
Colorado	2	6	7	0	3
Idaho	2	4	2	0	1
Montana	4	6	10	0	3
Nevada	0	14	1	0	3
New Mexico	3	8	10	0	4
Utah	2	6	3	0	2
Wyoming	4	6	4	0	3
Pacific Contiguous	0	1	2	0	0
California	0	1	1	0	1
Oregon	2	3	7	0	2
Washington	2	3	7	0	2
Pacific Noncontiguous	1	3	2	0	1
Alaska	4	7	11	0	4
Hawaii	0	0	0	0	0
U.S. Total	0	0	1	0	0

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	1	2	0	0
Connecticut	0	1	4	0	0
Maine	6	2	2	0	3
Massachusetts	0	1	3	0	0
New Hampshire	0	1	3	0	0
Rhode Island	0	7	0	0	3
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	1	2	0	1
East North Central	0	0	1	0	0
Illinois	0	1	2	0	0
Indiana	1	1	1	0	1
Michigan	0	1	2	0	1
Ohio	0	1	2	0	0
Wisconsin	0	2	3	0	1
West North Central	0	1	2	0	1
Iowa	1	4	4	0	2
Kansas	1	1	3	0	1
Minnesota	1	2	4	0	1
Missouri	1	1	4	0	1
Nebraska	1	4	5	0	2
North Dakota	1	3	5	0	2
South Dakota	1	5	7	0	2
South Atlantic	0	0	1	3	0
Delaware	3	2	6	0	2
District of Columbia	5	1	3	5	1
Florida	0	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	2	0	1
North Carolina	1	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	0	1	1	0	0
Alabama	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	1	1	3	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	13	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

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

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	1	3	0	1
Connecticut	0	1	5	0	1
Maine	10	3	5	0	4
Massachusetts	0	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	7	0	0	3
Vermont	1	3	7	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	1	2	0	1
East North Central	0	1	1	0	0
Illinois	0	1	2	0	0
Indiana	0	1	2	0	1
Michigan	0	2	2	0	1
Ohio	0	1	2	0	1
Wisconsin	0	3	3	0	1
West North Central	0	1	2	0	1
Iowa	0	6	4	0	2
Kansas	1	1	3	0	1
Minnesota	0	3	4	0	2
Missouri	0	1	5	0	1
Nebraska	0	6	6	0	3
North Dakota	0	4	6	0	3
South Dakota	1	7	8	0	3
South Atlantic	0	0	1	3	0
Delaware	1	2	8	0	2
District of Columbia	4	1	5	5	1
Florida	0	1	2	0	0
Georgia	0	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	2	2	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	1	1	0	0
Mountain	0	2	2	0	1
Arizona	0	2	3	0	1
Colorado	0	5	6	0	2
Idaho	0	4	2	0	1
Montana	1	6	7	0	3
Nevada	0	13	1	0	3
New Mexico	0	7	8	0	3
Utah	0	5	2	0	2
Wyoming	1	6	3	0	2
Pacific Contiguous	0	1	2	0	1
California	0	1	2	0	1
Oregon	0	3	6	0	2
Washington	0	3	5	0	1
Pacific Noncontiguous	1	3	2	0	1
Alaska	2	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	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	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	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

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	01/18/2014 5:39 PM	0 Hours, 0 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	01/24/2014 12:00 AM	0 Hours, 0 Minutes	We Energies	RFC	Wisconsin	Fuel Supply Emergency - Coal	Unknown	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	Unknown
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	04/03/2014 12:00 AM	0 Hours, 0 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	04/27/2014 9:15 AM	0 Hours, 0 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 Separation (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 Separation (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, Vermont, New Hampshire, Maine, Rhode Island, Massachusetts, Connecticut	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	Central and Northeastern Pennsylvania	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 approximately 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 approximately 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 sample^{21,24}. 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:

$$\text{Percent Difference} = \left(\frac{x(t_2) - x(t_1)}{|x(t_1)|} \right) \times 100,$$

where $x(t_1)$ and $x(t_2)$ denote the quantity at year t_1 and subsequent year t_2 .

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

- * The value reported is less than half of the smallest unit of measure, but is greater than zero.
- P Indicates a preliminary value.
- NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).
- (*) Usage of this symbol indicates a number rounded to zero.

Form EIA-826

The Form EIA 826, “Monthly Electric Utility Sales and Revenues with State Distributions Report,” is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with retail sales in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and design history: The collection of 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 retail price of electricity at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those retail energy providers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the October 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA’s efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects retail data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents’ customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. <http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html>

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation: Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

Formulas and methodologies: The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both retail sales of electricity to ultimate customers and revenue from retail sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for December 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate retail price of electricity at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates¹.

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average retail price of electricity by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

Adjusting monthly data to annual data: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

Sensitive data: Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls. The Form EIA-860 is made available in January to collect data related to the previous year.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator's prime mover by using the 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
Natural Gas and Other Gases	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)
	BFG	Blast Furnace Gas
	NG	Natural Gas
Nuclear	OG	Other Gas
	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT	Water at a Conventional
	(Prime Mover = HY)	Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT	Pumping Energy for Reversible (Pumped Storage) Hydroelectric
	(Prime Mover = PS)	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 performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA 861 and similar data reported on the Form EIA 826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA 861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA 861 data in this report are for the United States only.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and other taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales, and does not equal the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

Sensitive data: Data collected on the Form EIA-861 are not considered to be sensitive.

Form EIA-923

Form EIA-923, "Power Plant Operations Report," is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,900 plants, which includes a census of nuclear and pumped-storage hydroelectric plants. In addition approximately 4,050 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without

generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

Instrument and design history:

Receipts and cost and quality of fossil fuels

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate- capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

Generation, consumption, and stocks

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities¹⁴. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data¹⁵. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey Form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

Data processing and data system editing: Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks are performed as the data are provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data are manually entered into the computerized database. The data are subjected to the same edits as those that are electronically submitted.

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

Imputation: For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

Net Generation = (Factor) x Gross Generation
Prime Movers:
Combined Cycle Steam - 0.97
Combined Cycle Single Shaft - 0.97
Combined Cycle Combustion Turbine - 0.97
Compressed Air - 0.97
Fuel Cell - 0.99
Gas Turbine - 0.98
Hydroelectric Turbine - 0.99
Hydroelectric Pumped Storage - 0.99
Internal Combustion Engine - 0.98
Other - 0.97
Photovoltaic - 0.99
Steam Turbine - 0.97
Wind Turbine - 0.99
Environmental Equipment:
Flue Gas Desulfurization - 0.97
Flue Gas Particulate 0.99
All Others - 0.97

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are used.

Receipts of fossil fuels: Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton. For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

Power production, fuel stocks, and fuel consumption data: The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906.

In January 2008, Form EIA-923 superseded both the Forms EIA-906 and EIA-920 for the collection of these data.

Methodology to estimate biogenic and non-biogenic municipal solid waste²: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures*. The Btu contents of the components of MSW were obtained from various sources.

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic components and how much to non-biogenic components (see Tables 1 and 2, below).³

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

Table 1. Btu consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	57	56	55	55	56	57	55	54	51	50
Non-biogenic	43	44	45	45	44	43	46	46	49	50

Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	77	77	76	76	75	67	65	65	64	64
Non-biogenic	23	23	24	24	25	34	35	35	36	36

Useful thermal output: With the implementation of the Form EIA-923, “Power Plant Operations Report,” in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, “Power Plant Report”) efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

Conversion of petroleum coke to liquid petroleum: The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds).

Conversion of propane gas to liquid petroleum: The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

Conversion of synthesis gas from coal to coal: The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Conversion of synthesis gas from petroleum coke to petroleum coke: The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Issues within historical data series:

Receipts and cost and quality of fossil fuels

Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to the FERC Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (i.e., 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

Generation and consumption

Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

Sensitive data: Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Average Capacity Factors

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

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

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

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

NERC classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the following reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the ReliabilityFirst Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC)

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- ReliabilityFirst Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

- 111 Agriculture production-crops
- 112 Agriculture production, livestock and animal specialties
- 113 Forestry
- 114 Fishing, hunting, and trapping
- 115 Agricultural services

Mining

- 211 Oil and gas extraction
- 2121 Coal mining
- 2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

22 Electric, gas, and sanitary services
2212 Natural gas transmission
2213 Water supply
22131 Irrigation systems
22132 Sewerage systems
481 Transportation by air
482 Railroad transportation
483 Water transportation
484 Motor freight transportation and warehousing
485 Local and suburban transit and interurban highway passenger transport
486 Pipelines, except natural gas
487 Transportation services
491 United States Postal Service
513 Communications
562212 Refuse systems

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

512 Motion pictures
514 Business services
 514199 Miscellaneous services
541 Legal services
561 Engineering, accounting, research, management, and related services
611 Education services
622 Health services
624 Social services
712 Museums, art galleries, and botanical and zoological gardens
713 Amusement and recreation services
721 Hotels
811 Miscellaneous repair services
8111 Automotive repair, services, and parking
812 Personal services
813 Membership organizations
814 Private households

Public Administration

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

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

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

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

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	23.31	6.29	--	1.03
Connecticut	--	5.80	--	1.03
Maine	25.19	6.24	--	1.02
Massachusetts	21.32	6.30	--	1.02
New Hampshire	26.16	5.77	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.49	5.80	--	1.04
New Jersey	25.51	5.81	--	1.04
New York	21.34	5.95	--	1.03
Pennsylvania	23.51	5.78	--	1.04
East North Central	20.04	5.78	28.36	1.05
Illinois	17.67	5.75	--	1.02
Indiana	22.29	5.77	29.60	1.06
Michigan	18.80	5.83	26.60	1.03
Ohio	24.45	5.76	28.35	1.06
Wisconsin	17.92	5.83	27.74	1.05
West North Central	16.75	5.81	--	1.05
Iowa	17.65	5.81	--	1.06
Kansas	17.21	5.75	--	1.05
Minnesota	17.60	5.75	--	1.05
Missouri	17.61	5.79	--	1.03
Nebraska	16.88	5.80	--	1.07
North Dakota	13.30	5.76	--	1.00
South Dakota	16.40	6.00	--	1.06
South Atlantic	23.70	5.97	29.26	1.03
Delaware	--	5.67	--	1.04
District of Columbia	--	--	--	--
Florida	23.64	5.75	29.26	1.02
Georgia	20.51	5.86	--	1.03
Maryland	25.39	5.81	--	1.05
North Carolina	24.86	5.76	--	1.04
South Carolina	24.90	6.03	--	1.03
Virginia	22.41	6.15	--	1.06
West Virginia	24.63	5.79	--	1.07
East South Central	21.18	5.77	28.51	1.03
Alabama	20.35	5.61	--	1.03
Kentucky	22.08	5.81	28.51	1.03
Mississippi	15.36	5.85	--	1.03
Tennessee	22.66	5.76	--	1.00
West South Central	15.97	5.82	28.51	1.03
Arkansas	17.55	--	--	1.03
Louisiana	16.28	5.83	28.51	1.03
Oklahoma	17.32	--	--	1.05
Texas	15.41	5.82	--	1.03
Mountain	18.86	5.75	--	1.04
Arizona	19.24	5.75	--	1.04
Colorado	19.03	--	--	1.08
Idaho	--	--	--	1.01
Montana	17.24	5.92	--	--
Nevada	18.69	5.82	--	1.04
New Mexico	18.29	5.66	--	1.04
Utah	21.94	5.88	--	1.04
Wyoming	17.49	5.81	--	1.05
Pacific Contiguous	17.65	6.00	--	1.04
California	23.51	--	--	1.04
Oregon	17.48	--	--	1.04
Washington	16.81	6.00	--	1.07
Pacific Noncontiguous	20.39	6.10	--	1.00
Alaska	--	--	--	1.00
Hawaii	20.39	6.10	--	--
U.S. Total	19.37	6.04	28.59	1.03

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

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

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

Natural Gas includes a small amount of supplemental gaseous fuels.

Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.

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

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2011 through 2013

Item	Mean Absolute Value of Percent Change Total (All Sectors)		
	2011	2012	2013
Net Generation			
Coal	0.15%	0.20%	0.31%
Petroleum Liquids	2.67%	4.25%	4.04%
Petroleum Coke	14.41%	2.45%	0.95%
Natural Gas	0.41%	0.46%	0.98%
Other Gases	2.95%	6.36%	5.81%
Hydroelectric	2.03%	0.70%	0.65%
Nuclear	0.00%	0.00%	0.00%
Other	1.03%	1.08%	0.56%
Total	0.16%	0.20%	0.19%
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.23%	0.16%	0.07%
Petroleum Liquids	2.90%	4.47%	3.49%
Petroleum Coke	9.93%	3.99%	1.03%
Natural Gas	0.28%	0.37%	0.99%
Fuel Stocks for Electric Power Sector			
Coal	0.46%	0.57%	0.25%
Petroleum Liquids	0.55%	0.64%	2.54%
Petroleum Coke	2.64%	8.22%	0.08%
Retail Sales			
Residential	0.15%	0.16%	0.26%
Commercial	0.66%	0.39%	0.22%
Industrial	1.61%	0.50%	3.20%
Transportation	0.88%	2.44%	1.45%
Total	0.64%	0.27%	0.90%
Revenue			
Residential	0.73%	0.13%	0.34%
Commercial	0.24%	0.20%	0.47%
Industrial	0.58%	0.20%	4.28%
Transportation	0.29%	1.09%	3.84%
Total	0.31%	0.13%	0.76%
Average Retail Price			
Residential	0.66%	0.10%	0.12%
Commercial	0.79%	0.27%	0.30%
Industrial	1.02%	0.39%	1.05%
Transportation	1.08%	1.57%	2.49%
Total	0.90%	0.21%	0.17%
Receipt of Fossil Fuels			
Coal	1.15%	0.99%	2.50%
Petroleum Liquids	5.25%	23.68%	0.79%
Petroleum Coke	16.19%	13.72%	2.30%
Natural Gas	0.52%	10.47%	0.47%
Cost of Fossil Fuels			
Coal	0.31%	0.90%	0.18%
Petroleum Liquids	1.55%	0.53%	0.14%
Petroleum Coke	8.98%	11.66%	1.22%
Natural Gas	0.50%	0.77%	0.02%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

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

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Fuel Stocks are end-of-month values.

See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

Cost of Fossil Fuels represent weighted values.

Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.

Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report'; Form EIA-920 'Combined Heat and Power Plant Report'; and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2011 through 2013

Item	2011			2012			2013		
	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,734,265	1,733,430	-0.05%	1,517,203	1,514,043	-0.21%	1,585,998	1,581,115	-0.31%
Petroleum Liquids	15,840	16,086	1.56%	13,209	13,403	1.47%	13,410	13,820	3.06%
Petroleum Coke	12,322	14,096	14.39%	9,691	9,787	0.99%	13,453	13,344	-0.81%
Natural Gas	1,016,595	1,013,689	-0.29%	1,230,708	1,225,894	-0.39%	1,113,665	1,124,836	1.00%
Other Gases	11,269	11,566	2.64%	11,212	11,898	6.11%	12,271	12,853	4.75%
Hydroelectric	319,162	312,934	-1.95%	271,878	271,290	-0.22%	264,713	263,884	-0.31%
Nuclear	790,225	790,204	0.00%	769,331	769,331	0.00%	789,017	789,016	0.00%
Other	206,057	208,135	1.01%	231,253	232,120	0.37%	265,683	267,096	0.53%
Total	4,105,734	4,100,141	-0.14%	4,054,485	4,047,765	-0.17%	4,058,209	4,065,964	0.19%
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	932,911	934,938	0.22%	826,700	825,734	-0.12%	860,790	860,729	-0.01%
Petroleum Liquids (1,000 barrels)	26,728	27,326	2.24%	22,523	22,604	0.36%	22,751	23,231	2.11%
Petroleum Coke (1,000 tons)	4,561	5,012	9.89%	3,552	3,675	3.44%	4,893	4,852	-0.83%
Natural Gas (1,000 Mcf)	7,880,481	7,883,865	0.04%	9,465,207	9,484,710	0.21%	8,512,483	8,596,299	0.98%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	175,100	172,387	-1.55%	184,923	185,116	0.10%	147,973	147,884	-0.06%
Petroleum Liquids (1,000 barrels)	35,260	34,847	-1.17%	31,897	32,224	1.03%	31,045	31,673	2.03%
Petroleum Coke (1,000 tons)	470	508	8.17%	495	495	-0.01%	390	390	-0.01%
Retail Sales (Million kWh)									
Residential	1,423,700	1,422,801	-0.06%	1,374,594	1,374,515	-0.01%	1,391,102	1,394,812	0.27%
Commercial	1,319,288	1,328,057	0.66%	1,323,844	1,327,101	0.25%	1,338,464	1,337,079	-0.10%
Industrial	975,569	991,316	1.61%	980,837	985,714	0.50%	954,731	985,352	3.21%
Transportation	7,606	7,672	0.87%	7,504	7,320	-2.45%	7,525	7,625	1.32%
Total	3,726,163	3,749,846	0.64%	3,686,780	3,694,650	0.21%	3,691,822	3,724,868	0.90%
Revenue (Million Dollars)									
Residential	167,930	166,714	-0.72%	163,352	163,280	-0.04%	168,547	169,131	0.35%
Commercial	136,138	135,927	-0.16%	133,908	133,898	-0.01%	137,779	137,188	-0.43%
Industrial	67,212	67,606	0.59%	65,691	65,761	0.11%	65,111	67,934	4.33%
Transportation	805	803	-0.25%	754	747	-0.90%	775	805	3.84%
Total	372,084	371,049	-0.28%	363,705	363,687	0.00%	372,213	375,058	0.76%
Average Retail Price (Cents/kWh)									
Residential	11.80	11.72	-0.66%	11.88	11.88	-0.04%	12.12	12.13	0.08%
Commercial	10.32	10.24	-0.81%	10.12	10.09	-0.25%	10.29	10.26	-0.33%
Industrial	6.89	6.82	-1.01%	6.70	6.67	-0.39%	6.82	6.89	1.09%
Transportation	10.58	10.46	-1.11%	10.05	10.21	1.59%	10.30	10.55	2.49%
Total	9.99	9.90	-0.91%	9.87	9.84	-0.22%	10.08	10.07	-0.13%
Receipt of Fossil Fuels									
Coal (1,000 tons)	945,581	956,538	1.16%	849,667	841,183	-1.00%	803,206	823,222	2.49%
Petroleum Liquids (1,000 barrels)	34,342	36,158	5.29%	25,485	19,464	-23.63%	20,348	20,413	0.32%
Petroleum Coke (1,000 tons)	5,163	5,980	15.82%	4,858	4,180	-13.95%	4,555	4,660	2.31%
Natural Gas (1,000 Mcf)	9,025,066	9,056,164	0.34%	10,631,822	9,531,389	-10.35%	8,463,303	8,503,424	0.47%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.40	2.39	-0.25%	2.40	2.38	-0.89%	2.35	2.34	-0.12%
Petroleum Liquids (1,000 barrels)	20.10	19.94	-0.76%	21.82	21.85	0.12%	20.59	20.56	-0.12%
Petroleum Coke (1,000 tons)	2.80	3.03	8.27%	2.54	2.24	-11.90%	2.16	2.17	0.70%
Natural Gas (1,000 Mcf)	4.71	4.72	0.41%	3.40	3.42	0.64%	4.33	4.33	0.03%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

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

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Fuel Stocks are end-of-year values.

See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

Cost of Fossil Fuels represent weighted values.

Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.

Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2013 are Final.

Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';

Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report'; Form EIA-920 'Combined Heat and Power Plant Report';

and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

Unit	Equivalent
Kilowatt (kW)	1,000 (One Thousand) Watts
Megawatt (MW)	1,000,000 (One Million) Watts
Gigawatt (GW)	1,000,000,000 (One Billion) Watts
Terawatt (TW)	1,000,000,000,000 (One Trillion) Watts
Gigawatt	1,000,000 (One Million) Kilowatts
Thousand Gigawatts	1,000,000,000 (One Billion) Kilowatts
Kilowatthours (kWh)	1,000 (One Thousand) Watthours
Megawatthours (MWh)	1,000,000 (One Million) Watthours
Gigawatthours (GWh)	1,000,000,000 (One Billion) Watthours
Terawatthours (TWh)	1,000,000,000,000 (One Trillion) Watthours
Gigawatthours	1,000,000 (One Million) Kilowatthours
Thousand Gigawatthours	1,000,000,000(One Billion Kilowatthours

Source: U.S. Energy Information Administration

Glossary

Anthracite: The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). Note: Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

Ash: Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Ash content: The amount of ash contained in the fuel (except gas) in terms of percent by weight.

Average Retail Price of Electricity (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

Barrel: A unit of volume equal to 42 U.S. gallons.

Biomass: Organic non-fossil material of biological origin constituting a renewable energy resource.

Bituminous coal: A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

British thermal unit: The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu: The abbreviation for British thermal unit(s).

Capacity: See Generator Capacity and Generator Name Plate Capacity (Installed).

Census Divisions: Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

- 1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
- 2) *Middle Atlantic:* New Jersey, New York, and Pennsylvania;
- 3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
- 4) *West North Central:* Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
- 5) *South Atlantic:* Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
- 6) *East South Central:* Alabama, Kentucky, Mississippi, and Tennessee;
- 7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
- 8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
- 9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

Note: Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

Coal: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Coal synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

Coke (petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Combined cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

Combined heat and power (CHP): Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Commercial sector: An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

Consumption (fuel): The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Demand (electric): The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Diesel: A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

Distillate fuel oil: *A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.*

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

- *No. 1 Diesel fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.
- *No. 1 Fuel oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

- *No. 2 Diesel fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel*: A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel fuel and No. 4 Fuel oil*: See No. 4 Fuel above.

Electric industry restructuring: The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual retail customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

Electric plant (physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric power sector: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

Electric utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electricity generators: The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy conservation features: This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

Energy efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

Energy service provider: An energy entity that provides service to a retail or end-use customer.

Energy source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

Energy-only service: Retail sales services for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil fuel: An energy source formed in the earth's crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

Franchised service area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

Fuel: Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas turbine plant: An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

Generating unit: Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

Generator: A machine that converts mechanical energy into electrical energy.

Generator capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

Generator nameplate capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Geothermal: Pertaining to heat within the Earth.

Geothermal energy: Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

Gross generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

Heat content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

Hydroelectric power: The production of electricity from the kinetic energy of falling water.

Hydroelectric power generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Hydroelectric pumped storage: Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Hydrogen: A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Independent power producer: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

Industrial sector: An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

Interdepartmental service (electric): Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Internal combustion plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Investor-owned utility (IOU): A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

Jet fuel: A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

Kerosene: A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Light oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Manufactured gas: A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

Municipal utility: A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of retail electric power.

Natural gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

- 1) *Wet natural gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. Note: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.
 - Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
 - Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.
- 2) *Dry natural gas:* Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

Net generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net summer capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

Net winter capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 through 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 gases, 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.