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Preface

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

Background

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

Data sources

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

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		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	92,900	127,152	-26.9%	70,713	92,630	21,293	33,509	46	59	848	955	0	0
Petroleum Liquids	Utility Scale Facilities	1,235	5,222	-76.3%	792	2,067	392	2,995	13	80	NM	80	0	0
Petroleum Coke	Utility Scale Facilities	911	1,120	-18.7%	734	879	99	132	1	1	77	107	0	0
Natural Gas	Utility Scale Facilities	98,368	91,357	7.7%	47,455	43,203	43,306	41,036	577	533	7,031	6,586	0	0
Other Gas	Utility Scale Facilities	1,139	1,080	5.5%	NM	25	326	308	0	0	805	747	0	0
Nuclear	Utility Scale Facilities	65,638	63,462	3.4%	34,281	33,478	31,357	29,984	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	24,257	22,770	6.5%	21,915	21,402	2,214	1,252	NM	NM	124	113	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	29,047	22,959	26.5%	3,771	2,984	22,750	17,466	251	247	2,276	2,262	0	0
... Wind	Utility Scale Facilities	20,214	14,959	35.1%	3,111	2,443	17,084	12,502	12	10	NM	NM	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	2,423	1,633	48.4%	160	101	2,214	1,499	47	32	NM	NM	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,392	3,418	-0.8%	273	251	953	1,009	7	6	2,159	2,152	0	0
... Other Biomass	Utility Scale Facilities	1,677	1,603	4.6%	138	105	1,248	1,194	185	199	107	104	0	0
... Geothermal	Utility Scale Facilities	1,342	1,346	-0.3%	90	83	1,252	1,262	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-399	-456	-12.6%	-332	-387	-66	-69	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	982	910	7.8%	47	30	516	492	76	83	342	306	0	0
All Energy Sources	Utility Scale Facilities	314,079	335,576	-6.4%	179,383	196,310	122,187	127,106	968	1,005	11,540	11,155	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	986	704	39.9%	0	0	0	0	385	312	88	70	512	322
Estimated Total Solar Photovoltaic	All Facilities	3,168	2,175	45.6%	154	101	1,978	1,337	432	344	NM	NM	512	322
Estimated Total Solar	All Facilities	3,409	2,337	45.8%	160	101	2,214	1,499	432	344	NM	NM	512	322
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	50,649	67,056	-24.5%	38,053	48,594	12,285	18,098	14	19	297	345	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,129	8,725	-75.6%	1,435	3,668	629	4,774	14	164	NM	119	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	331	419	-21.1%	272	332	39	57	0	0	19	31	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	722,190	677,621	6.6%	352,524	326,498	314,536	299,026	5,583	5,199	49,547	46,898	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,396	1,454	-4.0%	81	85	106	150	67	72	1,141	1,146	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	219	551	-60.3%	7	46	72	205	16	61	NM	238	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	100	135	-26.2%	0	1	9	9	2	2	88	124	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	75,776	73,002	3.8%	955	721	23,992	24,341	4,773	4,545	46,056	43,395	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	52,045	68,510	-24.0%	38,134	48,679	12,391	18,248	81	91	1,438	1,491	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,348	9,276	-74.7%	1,443	3,715	701	4,979	30	225	NM	357	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	431	555	-22.4%	272	332	49	65	2	2	108	155	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	797,966	750,623	6.3%	353,479	327,219	338,528	323,367	10,357	9,744	95,602	90,293	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	190,665	151,333	26.0%	148,654	117,007	40,321	32,758	136	227	1,554	1,341	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	33,005	29,960	10.2%	20,510	20,000	10,788	8,241	350	310	1,357	1,410	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,445	1,125	28.5%	W	W	W	W	W	W	W	W	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for February									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	February 2016	February 2015	Percentage Change	February 2016	February 2015	Percentage Change	February 2016	February 2015	Percentage Change
Residential	115,913	123,777	-6.4%	14,084	15,209	-7.4%	12.15	12.29	-1.1%
Commercial	103,340	105,514	-2.1%	10,488	11,181	-6.2%	10.15	10.60	-4.2%
Industrial	74,291	74,512	-0.3%	4,742	5,146	-7.8%	6.38	6.91	-7.7%
Transportation	650	702	-7.4%	62	76	-18.3%	9.49	10.76	-11.8%
All Sectors	294,194	304,505	-3.4%	29,376	31,611	-7.1%	9.99	10.38	-3.8%

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

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2016 and 2015

Net Generation and Consumption of Fuels for January through February														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	206,651	259,650	-20.4%	155,845	189,238	48,964	68,354	87	111	1,755	1,946	0	0
Petroleum Liquids	Utility Scale Facilities	2,594	7,151	-63.7%	1,732	3,227	756	3,679	24	106	82	139	0	0
Petroleum Coke	Utility Scale Facilities	1,891	2,161	-12.5%	1,566	1,692	141	261	2	2	183	206	0	0
Natural Gas	Utility Scale Facilities	208,348	193,168	7.9%	99,595	89,037	92,938	88,709	1,233	1,152	14,582	14,271	0	0
Other Gas	Utility Scale Facilities	2,393	2,373	0.8%	NM	52	691	681	0	0	1,690	1,641	0	0
Nuclear	Utility Scale Facilities	138,174	137,732	0.3%	72,266	72,854	65,908	64,878	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	49,792	47,401	5.0%	45,127	44,210	4,404	2,941	NM	NM	251	243	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	55,998	46,608	20.1%	7,070	6,195	43,701	35,064	511	514	4,716	4,835	0	0
... Wind	Utility Scale Facilities	38,725	30,221	28.1%	5,762	5,071	32,925	25,122	23	19	15	9	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	3,969	2,851	39.2%	264	178	3,625	2,615	77	55	NM	NM	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	6,964	7,212	-3.4%	571	536	1,906	2,066	14	13	4,474	4,597	0	0
... Other Biomass	Utility Scale Facilities	3,561	3,502	1.7%	287	232	2,654	2,618	397	427	224	225	0	0
... Geothermal	Utility Scale Facilities	2,778	2,821	-1.5%	187	178	2,590	2,643	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-710	-1,007	-29.5%	-562	-846	-148	-161	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	2,101	1,974	6.5%	97	58	1,092	1,076	167	175	745	665	0	0
All Energy Sources	Utility Scale Facilities	667,231	697,210	-4.3%	382,747	405,717	258,447	265,480	2,034	2,067	24,004	23,946	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	1,831	1,347	35.9%	0	0	0	0	727	598	169	136	935	613
Estimated Total Solar Photovoltaic	All Facilities	5,473	3,972	37.8%	256	172	3,306	2,394	803	654	173	138	935	613
Estimated Total Solar	All Facilities	5,800	4,198	38.2%	264	178	3,625	2,615	803	654	173	138	935	613
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	112,800	138,359	-18.5%	84,143	100,125	28,014	37,502	27	36	616	696	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	4,509	12,082	-62.7%	3,148	5,765	1,221	5,894	25	219	115	204	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	677	819	-17.3%	573	644	56	113	1	1	47	61	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,530,608	1,425,559	7.4%	741,397	668,959	674,611	643,352	11,874	11,232	102,725	102,016	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	2,912	3,123	-6.8%	172	176	246	325	133	151	2,361	2,471	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	461	879	-47.6%	12	55	159	314	34	87	256	424	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	183	276	-33.7%	1	1	19	19	4	4	159	252	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	159,078	152,364	4.4%	2,055	1,473	50,468	51,037	9,936	9,456	96,619	90,398	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	115,712	141,482	-18.2%	84,315	100,301	28,260	37,827	160	187	2,977	3,167	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	4,970	12,961	-61.7%	3,160	5,820	1,381	6,208	59	306	371	628	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	860	1,094	-21.5%	574	645	75	132	5	5	205	313	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,689,686	1,577,923	7.1%	743,452	670,431	725,079	694,389	21,810	20,688	199,344	192,414	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through February									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	Percentage Change
Residential	246,708	261,309	-5.6%	29,787	31,846	-6.5%	12.07	12.19	-1.0%
Commercial	213,674	216,455	-1.3%	21,498	22,568	-4.7%	10.06	10.43	-3.5%
Industrial	150,578	151,754	-0.8%	9,637	10,273	-6.2%	6.40	6.77	-5.5%
Transportation	1,309	1,372	-4.6%	124	147	-15.5%	9.47	10.69	-11.4%
All Sectors	612,269	630,890	-3.0%	61,046	64,834	-5.8%	9.97	10.28	-3.0%

YTD = Year-to-Date

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

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

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

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

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

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

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

Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2016 and 2015

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal (1000 tons)	49,873	60,083	40.88	43.55	269	316	103,229	132,487	40.71	43.89
Petroleum Liquids (1000 barrels)	1,307	3,312	42.32	76.71	165	211	2,807	5,494	44.94	76.87
Petroleum Coke (1000 tons)	408	338	35.80	51.07	10	10	749	822	37.23	54.85
Natural Gas (1000 Mcf)	707,751	669,546	2.79	4.83	711	724	1,501,120	1,404,585	2.96	4.51

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal (1000 tons)	37,332	44,588	42.06	43.75	190	219	76,632	98,027	41.92	44.28
Petroleum Liquids (1000 barrels)	957	1,406	42.18	71.64	106	127	2,015	2,858	45.01	71.68
Petroleum Coke (1000 tons)	356	301	31.18	49.17	8	7	634	704	31.96	52.72
Natural Gas (1000 Mcf)	340,293	310,056	3.07	4.73	384	383	717,255	639,882	3.24	4.55

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal (1000 tons)	11,969	14,887	36.22	42.12	58	72	25,382	33,064	36.04	41.87
Petroleum Liquids (1000 barrels)	305	1,839	41.34	79.88	49	71	724	2,542	43.57	82.54
Petroleum Coke (1000 tons)	47	20	W	W	1	1	96	71	67.88	68.33
Natural Gas (1000 Mcf)	313,533	303,386	2.51	5.34	280	293	668,702	649,430	2.70	4.73

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal (1000 tons)	5	23	W	44.32	1	3	12	37	W	50.18
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	477	372	W	W	3	3	1,680	917	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	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal (1000 tons)	566	585	W	65.23	20	22	1,204	1,358	W	64.67
Petroleum Liquids (1000 barrels)	45	67	51.85	99.49	10	13	68	94	57.01	92.94
Petroleum Coke (1000 tons)	4	17	W	W	1	2	19	46	W	W
Natural Gas (1000 Mcf)	53,448	55,731	W	W	44	45	113,483	114,356	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, 2016 and 2015

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal	965,792	1,157,768	2.11	2.26	269	316	1,985,755	2,555,831	2.12	2.27
Petroleum Liquids	7,927	20,151	6.98	12.59	165	211	16,859	33,352	7.48	12.65
Petroleum Coke	11,272	9,660	1.30	1.79	10	10	20,912	23,385	1.33	1.93
Natural Gas	732,394	691,341	2.70	4.68	711	724	1,553,515	1,450,073	2.86	4.37
Fossil Fuels	1,717,385	1,878,920	2.37	3.20	892	927	3,577,041	4,062,641	2.44	3.05

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal	727,561	864,004	2.16	2.26	190	219	1,484,733	1,900,962	2.16	2.28
Petroleum Liquids	5,828	8,601	6.93	11.71	106	127	12,225	17,427	7.42	11.75
Petroleum Coke	9,837	8,617	1.13	1.72	8	7	17,773	20,126	1.14	1.84
Natural Gas	352,362	319,671	2.96	4.59	384	383	742,150	659,612	3.13	4.41
Fossil Fuels	1,095,588	1,200,893	2.43	2.94	510	519	2,256,880	2,598,127	2.50	2.88

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal	225,570	279,974	1.92	2.24	58	72	473,926	622,994	1.93	2.22
Petroleum Liquids	1,824	11,144	6.90	13.15	49	71	4,218	15,361	7.46	13.64
Petroleum Coke	1,313	562	W	W	1	1	2,617	1,989	2.50	2.45
Natural Gas	324,321	313,724	2.43	5.17	280	293	692,375	671,328	2.61	4.58
Fossil Fuels	553,028	605,404	W	W	330	356	1,173,136	1,311,673	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal	124	479	W	2.14	1	3	262	788	W	2.36
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	488	378	W	W	3	3	1,729	931	W	W
Fossil Fuels	612	857	W	W	3	3	1,991	1,719	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
Coal	12,538	13,311	W	2.87	20	22	26,834	31,087	W	2.83
Petroleum Liquids	274	405	8.45	16.55	10	13	416	564	9.28	15.42
Petroleum Coke	122	481	W	W	1	2	522	1,269	W	W
Natural Gas	55,223	57,569	W	W	44	45	117,262	118,202	W	W
Fossil Fuels	68,157	71,766	W	W	49	49	145,033	151,123	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), 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	508	96,018	-6,558	12,974	4,064,702	N/A	N/A	N/A
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	612	104,626	-6,896	12,231	4,156,745	N/A	N/A	N/A
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	864	125,237	-6,288	11,804	4,119,388	N/A	N/A	N/A
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	891	143,388	-4,627	11,928	3,950,331	N/A	N/A	N/A
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	1,212	165,961	-5,501	12,855	4,125,060	N/A	N/A	N/A
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	1,818	192,163	-6,421	14,154	4,100,141	N/A	N/A	N/A
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	4,327	214,006	-4,950	13,787	4,047,765	N/A	N/A	N/A
2013	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	9,036	244,472	-4,681	13,588	4,065,964	N/A	N/A	N/A
2014	1,581,710	18,276	11,955	1,126,609	12,022	797,166	259,367	17,691	261,522	-6,174	13,461	4,093,606	9,536	24,785	27,227
2015	1,356,057	17,456	10,987	1,335,068	12,963	797,178	251,168	26,473	271,885	-5,094	13,239	4,087,381	12,141	35,373	38,614
Year 2014															
January	157,097	5,913	1,158	91,061	933	73,163	21,634	751	24,742	-290	1,092	377,255	530	1,227	1,281
February	143,294	1,847	916	75,942	817	62,639	17,396	835	20,166	-445	941	324,348	564	1,316	1,398
March	136,443	2,002	1,186	78,151	866	62,397	24,257	1,317	24,534	-421	1,093	331,823	769	1,904	2,086
April	109,281	911	842	76,782	854	56,385	25,440	1,487	24,989	-378	1,039	297,631	839	2,100	2,326
May	118,786	960	1,084	89,120	944	62,947	26,544	1,750	22,073	-601	1,118	324,724	927	2,384	2,676
June	137,577	889	1,131	98,468	969	68,138	25,744	1,923	22,541	-653	1,117	357,844	934	2,512	2,858
July	149,627	992	1,050	115,081	1,069	71,940	24,357	1,788	19,256	-545	1,163	385,780	975	2,501	2,763
August	148,452	1,014	1,036	122,348	1,135	71,129	19,807	1,879	17,141	-840	1,239	384,341	967	2,585	2,846
Sept	126,110	929	1,019	106,582	1,126	67,535	16,074	1,832	18,061	-542	1,159	339,887	888	2,463	2,721
October	111,296	908	609	97,683	1,082	62,391	17,159	1,717	21,002	-448	1,122	314,522	819	2,303	2,536
November	119,127	963	775	84,354	1,073	65,140	18,625	1,380	25,428	-531	1,161	317,495	673	1,904	2,052
December	124,620	947	1,149	91,038	1,153	73,363	22,329	1,032	21,590	-480	1,218	337,957	651	1,587	1,682
Year 2015															
January	132,498	1,929	1,041	101,811	1,293	74,270	24,631	1,218	22,431	-551	1,063	361,634	643	1,797	1,861
February	127,152	5,222	1,120	91,357	1,080	63,462	22,770	1,633	21,326	-456	910	335,576	704	2,175	2,337
March	108,537	1,079	728	99,130	1,058	64,547	24,884	2,240	21,966	-411	985	324,743	979	2,933	3,220
April	88,653	912	805	92,979	931	59,757	22,558	2,567	24,203	-214	1,067	294,218	1,094	3,287	3,661
May	104,795	1,019	922	101,919	1,016	65,833	20,210	2,602	23,868	-370	1,136	322,949	1,202	3,456	3,803
June	126,122	1,036	812	121,546	1,106	68,546	20,089	2,717	20,203	-398	1,137	362,917	1,218	3,552	3,935
July	139,598	1,205	1,142	141,365	1,274	71,412	21,114	2,754	20,967	-513	1,217	401,536	1,276	3,648	4,031
August	135,285	1,109	1,071	139,493	1,216	72,415	19,434	2,834	20,237	-626	1,234	393,704	1,260	3,699	4,094
Sept	118,485	1,023	1,037	123,230	1,212	66,466	16,242	2,358	20,412	-544	1,119	351,040	1,136	3,185	3,494
October	97,431	935	857	110,025	847	60,571	16,702	2,030	22,889	-443	1,128	312,972	1,018	2,839	3,048
November	87,852	1,015	697	102,566	848	60,264	19,381	1,896	26,312	-285	1,102	301,647	836	2,528	2,732
December	89,649	972	754	109,646	1,081	69,634	23,154	1,623	27,071	-281	1,140	324,445	774	2,274	2,398
Year 2016															
January	113,751	1,359	980	109,980	1,254	72,536	25,535	1,546	25,404	-312	1,120	353,153	845	2,306	2,392
February	92,900	1,235	911	98,368	1,139	65,638	24,257	2,423	26,624	-399	982	314,079	986	3,168	3,409
Year to Date															
2014	300,392	7,760	2,074	167,003	1,750	135,802	39,030	1,586	44,908	-735	2,033	701,603	1,093	2,542	2,680
2015	259,650	7,151	2,161	193,168	2,373	137,732	47,401	2,851	43,757	-1,007	1,974	697,210	1,347	3,972	4,198
2016	206,651	2,594	1,891	208,348	2,393	138,174	49,792	3,969	52,029	-710	2,101	667,231	1,831	5,473	5,800
Rolling 12 Months Ending in February															
2015	1,540,968	17,667	12,043	1,152,774	12,645	799,096	267,738	18,956	260,371	-6,446	13,402	4,089,213	9,790	26,215	28,745
2016	1,303,058	12,900	10,717	1,350,248	12,983	797,619	253,560	27,591	280,157	-4,797	13,367	4,057,403	12,624	36,874	40,216

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities										Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals													
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772	N/A	N/A	N/A
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747	N/A	N/A	N/A
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932	N/A	N/A	N/A
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724	N/A	N/A	N/A
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376	N/A	N/A	N/A
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336	N/A	N/A	N/A
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573	N/A	N/A	N/A
2013	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073	N/A	N/A	N/A
2014	181,655	15,250	2,441	42,340	11,220	7,228	3,202	15,877	259,367	538,579	9,536	24,785	27,227
2015	190,927	23,232	3,241	42,358	11,233	7,415	3,184	16,767	251,168	549,527	12,141	35,373	38,614
Year 2014													
January	17,911	697	54	3,626	967	584	299	1,355	21,634	47,127	530	1,227	1,281
February	14,009	752	83	3,265	930	490	267	1,206	17,396	38,397	564	1,316	1,398
March	17,736	1,135	182	3,609	961	599	291	1,338	24,257	50,108	769	1,904	2,086
April	18,636	1,261	226	3,230	957	586	267	1,314	25,440	51,916	839	2,100	2,326
May	15,601	1,457	292	3,290	944	635	270	1,332	26,544	50,366	927	2,384	2,676
June	15,799	1,578	345	3,622	943	613	271	1,293	25,744	50,208	934	2,512	2,858
July	12,187	1,525	262	3,807	1,035	646	261	1,320	24,357	45,402	975	2,501	2,763
August	10,171	1,618	261	3,761	988	647	245	1,329	19,807	38,828	967	2,585	2,846
Sept	11,520	1,574	258	3,462	932	606	234	1,308	16,074	35,968	888	2,463	2,721
October	14,508	1,484	233	3,422	854	603	269	1,345	17,159	39,878	819	2,303	2,536
November	18,867	1,232	148	3,508	820	612	258	1,362	18,625	45,432	673	1,904	2,052
December	14,711	936	95	3,737	890	609	268	1,375	22,329	44,950	651	1,587	1,682
Year 2015													
January	15,262	1,154	64	3,794	983	617	299	1,475	24,631	48,280	643	1,797	1,861
February	14,959	1,471	162	3,418	822	519	261	1,346	22,770	45,729	704	2,175	2,337
March	15,331	1,954	287	3,447	895	558	278	1,456	24,884	49,090	979	2,933	3,220
April	17,881	2,194	374	3,244	913	593	233	1,338	22,558	49,328	1,094	3,287	3,661
May	17,221	2,255	347	3,366	940	626	249	1,466	20,210	46,680	1,202	3,456	3,803
June	13,477	2,334	383	3,539	940	625	240	1,381	20,089	43,009	1,218	3,552	3,935
July	13,686	2,371	383	3,913	987	679	266	1,436	21,114	44,835	1,276	3,648	4,031
August	13,073	2,439	395	3,834	976	667	260	1,427	19,434	42,505	1,260	3,699	4,094
Sept	13,916	2,049	309	3,469	891	615	240	1,281	16,242	39,012	1,136	3,185	3,494
October	16,390	1,822	208	3,300	933	624	279	1,363	16,702	41,620	1,018	2,839	3,048
November	19,663	1,691	204	3,404	947	631	288	1,380	19,381	47,589	836	2,528	2,732
December	20,067	1,499	124	3,629	1,006	660	290	1,418	23,154	51,849	774	2,274	2,398
Year 2016													
January	18,511	1,460	86	3,573	964	627	293	1,436	25,535	52,485	845	2,306	2,392
February	20,214	2,182	241	3,392	858	547	272	1,342	24,257	53,304	986	3,168	3,409
Year to Date													
2014	31,920	1,449	137	6,891	1,897	1,074	566	2,561	39,030	85,524	1,093	2,542	2,680
2015	30,221	2,625	226	7,212	1,805	1,136	560	2,821	47,401	94,009	1,347	3,972	4,198
2016	38,725	3,642	327	6,964	1,822	1,174	565	2,778	49,792	105,790	1,831	5,473	5,800
Rolling 12 Months Ending in February													
2015	179,957	16,425	2,531	42,661	11,128	7,291	3,196	16,137	267,738	547,064	9,790	26,215	28,745
2016	199,431	24,250	3,342	42,110	11,250	7,453	3,188	16,724	253,560	561,307	12,624	36,874	40,216

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.
Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.A. Net Generation by Energy Source: Electric Utilities, 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	15	6,573	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	11	8,943	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	17	11,291	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	28	14,589	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	101	17,826	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	216	21,717	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	639	27,378	-4,202	603	2,339,172
2013	1,188,452	9,446	9,522	501,427	798	406,114	243,040	943	31,474	-3,773	615	2,388,058
2014	1,173,073	10,696	9,147	501,414	112	419,871	238,185	1,218	33,278	-5,144	622	2,382,473
2015	1,016,989	10,590	8,283	614,474	205	416,680	230,130	1,658	35,641	-4,105	496	2,331,041
Year 2014												
January	115,862	2,445	949	41,208	13	38,847	19,673	53	3,286	-218	47	222,165
February	104,638	1,051	706	33,600	7	32,937	15,973	61	2,698	-361	34	191,345
March	97,957	1,037	953	35,116	9	32,612	22,423	91	3,296	-355	57	193,194
April	77,724	711	572	34,890	20	30,312	22,977	98	3,274	-301	52	170,329
May	89,103	709	833	41,226	12	33,760	23,933	114	2,632	-506	49	191,866
June	104,523	650	894	44,315	5	35,898	23,790	127	2,613	-557	53	212,311
July	112,875	711	792	50,296	7	38,031	22,624	131	2,261	-445	62	227,343
August	112,568	711	778	54,553	6	37,182	18,251	130	1,894	-740	60	225,392
Sept	94,482	711	750	46,260	5	35,296	14,895	126	2,277	-461	50	194,390
October	82,991	652	457	42,360	4	32,017	15,863	124	2,826	-351	48	176,990
November	87,064	643	577	37,477	9	34,552	17,369	91	3,473	-441	55	180,869
December	93,287	666	887	40,114	15	38,428	20,415	72	2,749	-409	56	196,279
Year 2015												
January	96,609	1,160	813	45,834	27	39,377	22,809	77	3,135	-460	28	209,407
February	92,630	2,067	879	43,203	25	33,478	21,402	101	2,883	-387	30	196,310
March	80,517	701	502	45,669	22	33,328	22,856	144	3,121	-319	20	186,561
April	67,605	697	565	42,880	20	31,053	20,179	163	3,160	-153	35	166,204
May	80,817	710	691	46,370	19	35,089	18,595	169	3,035	-292	39	185,242
June	95,310	777	604	57,061	17	35,150	18,216	172	2,302	-300	35	209,345
July	105,860	863	898	64,894	17	37,055	18,979	172	2,526	-413	56	230,908
August	101,770	817	827	63,431	21	38,482	17,924	175	2,558	-513	56	225,550
Sept	87,814	702	797	56,355	23	35,034	15,098	141	2,715	-477	50	198,251
October	72,989	685	618	49,676	12	31,886	15,300	124	3,159	-364	50	174,134
November	65,572	735	485	47,367	0	30,751	17,733	117	3,566	-218	45	166,154
December	69,497	675	606	51,733	NM	35,997	21,039	103	3,481	-210	54	182,976
Year 2016												
January	85,132	940	832	52,140	NM	37,985	23,212	104	3,195	-230	50	203,364
February	70,713	792	734	47,455	NM	34,281	21,915	160	3,611	-332	47	179,383
Year to Date												
2014	220,500	3,496	1,655	74,808	21	71,784	35,646	114	5,984	-579	81	413,511
2015	189,238	3,227	1,692	89,037	52	72,854	44,210	178	6,018	-846	58	405,717
2016	155,845	1,732	1,566	99,595	NM	72,266	45,127	264	6,806	-562	97	382,747
Rolling 12 Months Ending in February												
2015	1,141,811	10,427	9,184	515,643	143	420,942	246,750	1,281	33,311	-5,411	599	2,374,680
2016	983,596	9,095	8,157	625,032	NM	416,091	231,046	1,744	36,430	-3,821	536	2,308,070

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 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 1.2.B Net Generation by Energy Source: Independent Power Producers, 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	493	58,853	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	601	65,150	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	847	84,928	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	863	100,997	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	1,105	119,851	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	1,511	140,442	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	3,525	156,539	-748	7,030	1,551,186
2013	379,270	3,761	1,780	527,522	3,524	382,902	22,018	7,782	181,263	-908	6,742	1,515,657
2014	395,701	6,789	1,410	531,758	3,246	377,295	19,861	16,086	196,723	-1,030	6,690	1,554,530
2015	326,949	6,104	1,607	626,464	3,450	380,498	19,676	24,232	204,777	-989	6,771	1,599,539
Year 2014												
January	40,054	3,281	109	41,761	253	34,316	1,837	681	18,727	-72	533	141,480
February	37,580	698	123	35,129	204	29,702	1,316	753	15,039	-84	472	120,930
March	37,333	880	129	35,402	206	29,785	1,715	1,196	18,569	-66	571	125,720
April	30,554	160	141	34,693	211	26,072	2,332	1,355	19,166	-77	516	115,124
May	28,635	203	125	40,419	271	29,187	2,477	1,596	16,817	-95	569	120,205
June	31,947	193	108	46,588	252	32,240	1,850	1,755	17,275	-96	565	132,678
July	35,597	236	128	56,400	276	33,909	1,641	1,618	14,183	-100	584	144,474
August	34,761	261	123	59,357	309	33,946	1,458	1,709	12,495	-101	594	144,913
Sept	30,580	171	145	52,430	293	32,238	1,091	1,670	13,267	-81	562	132,366
October	27,332	209	51	47,693	331	30,374	1,200	1,556	15,642	-97	566	124,857
November	31,053	268	88	39,234	292	30,589	1,155	1,260	19,441	-90	578	123,869
December	30,274	228	139	42,652	349	34,935	1,787	939	16,102	-71	580	127,913
Year 2015												
January	34,845	684	129	47,672	372	34,893	1,689	1,117	16,481	-92	584	138,374
February	33,509	2,995	132	41,036	308	29,984	1,252	1,499	15,967	-69	492	127,106
March	26,963	307	141	46,180	294	31,218	1,882	2,048	16,267	-92	521	125,727
April	20,218	171	140	43,198	243	28,705	2,240	2,347	18,514	-62	541	116,255
May	23,031	253	145	48,031	296	30,743	1,498	2,376	18,297	-78	572	125,163
June	29,751	205	139	56,626	285	33,396	1,770	2,482	15,312	-98	578	140,446
July	32,611	293	140	68,036	309	34,357	2,017	2,522	15,635	-101	604	156,424
August	32,373	243	143	67,602	327	33,933	1,426	2,596	14,987	-113	610	154,128
Sept	29,624	276	140	58,915	319	31,432	1,080	2,164	15,112	-67	550	139,546
October	23,452	209	150	52,755	194	28,685	1,301	1,862	17,155	-79	564	126,248
November	21,354	225	140	47,146	211	29,513	1,535	1,736	20,153	-67	565	122,511
December	19,220	244	68	49,268	292	33,637	1,984	1,484	20,896	-71	591	127,611
Year 2016												
January	27,671	364	42	49,632	365	34,551	2,190	1,411	19,539	-82	577	136,260
February	21,293	392	99	43,306	326	31,357	2,214	2,214	20,536	-66	516	122,187
Year to Date												
2014	77,634	3,979	232	76,891	456	64,018	3,153	1,434	33,766	-156	1,005	262,410
2015	68,354	3,679	261	88,709	681	64,878	2,941	2,615	32,449	-161	1,076	265,480
2016	48,964	756	141	92,938	691	65,908	4,404	3,625	40,075	-148	1,092	258,447
Rolling 12 Months Ending in February												
2015	386,421	6,489	1,440	543,576	3,471	378,155	19,649	17,268	195,406	-1,035	6,760	1,557,599
2016	307,559	3,181	1,487	630,693	3,461	381,528	21,139	25,241	212,404	-976	6,787	1,592,505

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2.C. Net Generation by Energy Source: Commercial Sector, 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2006	1,310	228	7	4,355	0	0	93	0	1,619	0	758	8,371	N/A	N/A	N/A
2007	1,371	180	9	4,257	0	0	77	0	1,614	0	764	8,273	N/A	N/A	N/A
2008	1,261	136	6	4,188	0	0	60	0	1,555	0	720	7,926	N/A	N/A	N/A
2009	1,096	157	5	4,225	0	0	71	0	1,769	0	842	8,165	N/A	N/A	N/A
2010	1,111	117	7	4,725	3	0	80	5	1,709	0	834	8,592	N/A	N/A	N/A
2011	1,049	86	3	5,487	3	0	26	84	2,392	0	950	10,080	N/A	N/A	N/A
2012	883	191	6	6,603	0	0	28	148	2,397	0	1,046	11,301	N/A	N/A	N/A
2013	839	118	5	7,154	0	0	44	294	2,662	0	1,118	12,234	N/A	N/A	N/A
2014	595	247	9	7,227	0	0	38	371	2,862	0	1,171	12,520	4,349	4,720	4,720
2015	488	202	8	7,690	0	0	NM	554	2,835	0	1,211	13,029	5,024	5,578	5,578
Year 2014															
January	76	102	1	651	0	0	4	16	264	0	104	1,218	253	269	269
February	79	37	1	533	0	0	3	20	216	0	71	961	271	292	292
March	66	30	1	529	0	0	4	29	230	0	84	972	364	394	394
April	47	9	1	509	0	0	4	33	229	0	96	927	394	427	427
May	39	8	0	557	0	0	4	38	238	0	102	986	433	471	471
June	42	8	0	605	0	0	3	39	245	0	99	1,041	431	470	470
July	50	9	0	701	0	0	3	38	263	0	109	1,173	447	485	485
August	42	7	1	722	0	0	3	39	256	0	110	1,181	440	479	479
Sept	36	8	1	657	0	0	3	35	243	0	104	1,086	396	432	432
October	31	9	1	601	0	0	2	36	230	0	97	1,008	355	390	390
November	44	9	1	560	0	0	2	28	218	0	98	960	287	314	314
December	45	10	1	602	0	0	2	20	230	0	97	1,007	278	298	298
Year 2015															
January	53	26	1	619	0	0	NM	23	244	0	92	1,062	286	310	310
February	59	80	1	533	0	0	NM	32	215	0	83	1,005	312	344	344
March	51	12	1	616	0	0	NM	46	243	0	95	1,067	420	466	466
April	33	8	1	539	0	0	NM	54	227	0	102	968	462	516	516
May	35	11	0	655	0	0	NM	55	238	0	105	1,102	505	560	560
June	42	NM	0	652	0	0	NM	60	229	0	103	1,101	505	564	564
July	44	13	0	720	0	0	NM	58	248	0	110	1,196	528	586	586
August	35	12	1	732	0	0	NM	60	231	0	110	1,184	509	569	569
Sept	32	NM	1	674	0	0	NM	50	233	0	111	1,113	456	506	506
October	34	NM	1	638	0	0	NM	42	236	0	95	1,057	402	444	444
November	33	NM	1	650	0	0	NM	41	245	0	100	1,079	326	366	366
December	37	8	1	661	0	0	NM	34	246	0	104	1,095	313	347	347
Year 2016															
January	41	11	1	656	0	0	NM	29	231	0	91	1,065	342	371	371
February	46	13	1	577	0	0	NM	47	203	0	76	968	385	432	432
Year to Date															
2014	155	139	2	1,184	0	0	8	37	480	0	175	2,179	525	561	561
2015	111	106	2	1,152	0	0	NM	55	459	0	175	2,067	598	654	654
2016	87	24	2	1,233	0	0	NM	77	434	0	167	2,034	727	803	803
Rolling 12 Months Ending in February															
2015	552	214	9	7,195	0	0	NM	389	2,841	0	1,171	12,408	4,423	4,812	4,812
2016	463	NM	8	7,771	0	0	NM	575	2,810	0	1,203	12,995	5,153	5,728	5,728

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2006-February 2016
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	0	28,972	0	5,103	148,254	N/A	N/A	N/A
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	0	28,919	0	4,690	143,128	N/A	N/A	N/A
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	0	27,462	0	4,125	137,113	N/A	N/A	N/A
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	0	26,033	0	4,457	132,329	N/A	N/A	N/A
2010	18,441	844	1,414	81,583	8,343	0	1,668	2	26,574	0	5,214	144,082	N/A	N/A	N/A
2011	14,490	657	1,234	81,911	8,624	0	1,799	7	27,612	0	5,541	141,875	N/A	N/A	N/A
2012	12,603	563	2,359	86,500	8,913	0	2,353	14	27,693	0	5,108	146,107	N/A	N/A	N/A
2013	12,554	495	2,036	88,733	8,531	0	3,463	17	29,074	0	5,113	150,015	N/A	N/A	N/A
2014	12,341	544	1,389	86,209	8,664	0	1,282	16	28,659	0	4,978	144,083	943	960	960
2015	11,632	560	1,088	86,440	9,308	0	1,323	29	28,631	0	4,762	143,773	1,190	1,219	1,219
Year 2014															
January	1,105	85	100	7,441	667	0	120	1	2,466	0	408	12,391	51	52	52
February	998	61	86	6,680	606	0	104	1	2,212	0	363	11,112	54	55	55
March	1,087	56	103	7,105	651	0	114	1	2,439	0	382	11,937	77	78	78
April	955	32	128	6,690	624	0	127	2	2,319	0	375	11,251	84	85	85
May	1,009	40	126	6,918	662	0	130	2	2,385	0	397	11,667	92	94	94
June	1,065	37	130	6,960	711	0	100	2	2,409	0	400	11,814	93	95	95
July	1,105	37	129	7,685	786	0	89	2	2,549	0	408	12,790	97	99	99
August	1,081	35	134	7,716	820	0	96	2	2,496	0	476	12,856	96	98	98
Sept	1,013	39	123	7,234	828	0	86	2	2,275	0	444	12,044	88	89	89
October	942	39	101	7,028	748	0	93	1	2,303	0	411	11,667	83	84	84
November	966	42	108	7,083	772	0	99	1	2,297	0	429	11,797	67	68	68
December	1,015	42	121	7,670	790	0	125	1	2,510	0	484	12,757	61	62	62
Year 2015															
January	992	59	98	7,685	894	0	130	NM	2,572	0	359	12,791	66	NM	NM
February	955	80	107	6,586	747	0	113	NM	2,260	0	306	11,155	70	NM	NM
March	1,007	59	84	6,666	743	0	142	3	2,335	0	349	11,387	99	102	102
April	798	36	99	6,363	668	0	136	3	2,302	0	389	10,793	107	110	110
May	912	45	86	6,863	701	0	113	NM	2,298	0	421	11,442	119	NM	NM
June	1,018	43	70	7,207	804	0	100	3	2,359	0	420	12,025	118	122	122
July	1,083	36	104	7,716	948	0	113	NM	2,558	0	447	13,008	123	NM	NM
August	1,108	37	100	7,727	867	0	81	3	2,460	0	458	12,842	120	123	123
Sept	1,015	37	99	7,286	870	0	61	3	2,352	0	409	12,130	110	113	113
October	956	34	89	6,956	641	0	97	2	2,338	0	419	11,533	101	104	104
November	893	49	NM	7,402	637	0	109	NM	2,348	0	392	11,904	81	NM	NM
December	895	45	81	7,984	788	0	127	NM	2,449	0	392	12,763	75	NM	NM
Year 2016															
January	907	45	106	7,551	885	0	127	NM	2,439	0	402	12,464	80	NM	NM
February	848	NM	77	7,031	805	0	124	NM	2,273	0	342	11,540	88	NM	NM
Year to Date															
2014	2,103	146	186	14,120	1,273	0	223	2	4,678	0	772	23,503	105	107	107
2015	1,946	139	206	14,271	1,641	0	243	NM	4,832	0	665	23,946	136	138	138
2016	1,755	82	183	14,582	1,690	0	251	NM	4,713	0	745	24,004	169	173	173
Rolling 12 Months Ending in February															
2015	12,184	537	1,409	86,360	9,031	0	1,302	NM	28,813	0	4,872	144,526	974	NM	NM
2016	11,440	NM	NM	86,751	9,358	0	1,331	NM	28,512	0	4,841	143,832	1,223	NM	NM

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2014-February 2016
(Thousand Megawatthours)

	Distributed Generation
Period	**Estimated Distributed Solar Photovoltaic Generation**
Annual Totals	
2014	4,243
2015	5,927
Year 2014	
January	226
February	238
March	328
April	361
May	402
June	410
July	431
August	431
Sept	404
October	382
November	319
December	311
Year 2015	
January	291
February	322
March	461
April	524
May	578
June	595
July	625
August	631
Sept	570
October	514
November	429
December	386
Year 2016	
January	423
February	512
Year to Date	
2014	464
2015	613
2016	935
Rolling 12 Months Ending in February	
2015	4,393
2016	6,249

See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources:
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.3.A. Utility Scale Facility Net Generation
by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	8,654	9,503	-8.9%	277	634	8,021	8,427	104	141	253	301
Connecticut	3,065	3,246	-5.6%	NM	NM	2,994	3,174	NM	NM	NM	NM
Maine	1,195	1,314	-9.1%	NM	NM	980	1,046	15	16	200	252
Massachusetts	2,383	2,552	-6.6%	41	77	2,281	2,395	47	67	NM	NM
New Hampshire	1,428	1,882	-24.1%	130	473	1,291	1,397	NM	NM	NM	NM
Rhode Island	361	344	5.2%	1	1	355	331	NM	NM	0	0
Vermont	221	166	33.2%	100	80	121	85	NM	NM	0	0
Middle Atlantic	34,051	35,626	-4.4%	2,793	2,787	30,685	32,285	184	189	389	365
New Jersey	5,984	5,916	1.1%	3	-4	5,872	5,822	56	51	53	47
New York	10,766	11,197	-3.9%	2,780	2,785	7,799	8,228	100	106	86	78
Pennsylvania	17,302	18,513	-6.5%	NM	NM	17,014	18,234	28	31	250	241
East North Central	47,100	54,172	-13.1%	21,171	24,864	24,909	28,318	179	161	841	829
Illinois	14,347	16,137	-11.1%	561	802	13,528	15,065	40	46	218	224
Indiana	8,468	9,849	-14.0%	6,866	8,440	1,319	1,154	20	19	263	236
Michigan	9,489	9,897	-4.1%	6,690	7,344	2,582	2,355	87	72	130	126
Ohio	9,505	12,652	-24.9%	2,943	3,824	6,470	8,740	NM	NM	82	80
Wisconsin	5,291	5,637	-6.1%	4,111	4,454	1,010	1,004	NM	NM	149	162
West North Central	26,542	28,509	-6.9%	21,875	24,598	4,278	3,493	59	55	330	363
Iowa	4,624	5,408	-14.5%	3,293	4,113	1,139	1,088	20	24	171	183
Kansas	3,840	3,631	5.8%	2,614	2,863	1,221	763	0	0	NM	NM
Minnesota	4,767	4,960	-3.9%	3,725	3,993	915	830	NM	NM	104	119
Missouri	6,521	7,481	-12.8%	6,275	7,345	230	119	14	11	NM	NM
Nebraska	2,989	3,068	-2.6%	2,675	2,770	282	262	NM	NM	30	35
North Dakota	2,991	3,117	-4.0%	2,657	2,808	317	293	NM	NM	NM	16
South Dakota	809	844	-4.1%	636	706	173	138	NM	NM	0	0
South Atlantic	63,139	66,886	-5.6%	52,930	56,216	8,731	9,221	104	108	1,373	1,340
Delaware	495	553	-10.4%	NM	NM	423	470	NM	NM	67	77
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	16,658	16,833	-1.0%	15,300	15,639	962	818	NM	NM	391	371
Georgia	9,734	10,373	-6.2%	8,179	8,744	1,178	1,294	NM	NM	376	331
Maryland	2,774	3,376	-17.8%	NM	NM	2,717	3,303	38	NM	17	28
North Carolina	10,763	11,716	-8.1%	9,919	10,992	714	576	25	23	104	125
South Carolina	7,952	8,317	-4.4%	7,646	8,015	160	159	NM	NM	146	143
Virginia	8,058	7,922	1.7%	6,587	6,472	1,241	1,254	28	29	202	166
West Virginia	6,699	7,791	-14.0%	5,292	6,346	1,336	1,347	0	0	70	98
East South Central	29,463	33,159	-11.1%	25,028	28,378	3,686	4,060	NM	NM	737	710
Alabama	11,443	12,240	-6.5%	8,306	8,833	2,780	3,068	0	0	356	338
Kentucky	6,690	8,396	-20.3%	6,638	8,325	NM	21	0	0	49	50
Mississippi	5,469	5,742	-4.8%	4,423	4,635	884	954	NM	NM	161	151
Tennessee	5,862	6,782	-13.6%	5,661	6,585	19	17	NM	NM	171	170
West South Central	49,347	52,888	-6.7%	15,800	17,899	27,325	29,114	74	69	6,149	5,806
Arkansas	4,153	4,859	-14.5%	3,288	2,998	709	1,699	NM	NM	156	161
Louisiana	8,169	8,399	-2.7%	4,671	4,990	834	1,006	NM	NM	2,647	2,388
Oklahoma	5,448	6,133	-11.2%	3,028	4,149	2,356	1,924	NM	NM	64	NM
Texas	31,577	33,497	-5.7%	4,813	5,762	23,425	24,485	57	54	3,281	3,197
Mountain	26,932	26,158	3.0%	20,743	21,262	5,902	4,658	NM	NM	257	209
Arizona	7,323	6,708	9.2%	6,454	5,976	860	723	NM	NM	0	0
Colorado	4,206	4,104	2.5%	3,012	3,230	1,187	867	NM	NM	NM	NM
Idaho	1,253	1,220	2.7%	763	846	450	333	0	0	40	41
Montana	2,252	2,187	3.0%	698	938	1,553	1,247	0	0	NM	NM
Nevada	2,745	2,613	5.1%	2,061	1,994	640	598	NM	NM	NM	14
New Mexico	2,349	2,302	2.0%	1,611	1,795	720	499	NM	NM	NM	2
Utah	2,834	3,228	-12.2%	2,660	3,081	136	117	NM	NM	NM	NM
Wyoming	3,968	3,797	4.5%	3,484	3,402	355	275	0	0	129	119
Pacific Contiguous	27,624	27,322	1.1%	17,887	18,759	8,387	7,180	189	195	1,161	1,188
California	13,530	12,372	9.4%	5,674	5,073	6,683	6,081	176	185	998	1,033
Oregon	5,174	5,028	2.9%	3,872	4,215	1,249	755	NM	NM	43	51
Washington	8,920	9,922	-10.1%	8,340	9,471	456	344	NM	NM	120	104
Pacific Noncontiguous	1,226	1,352	-9.3%	878	912	264	351	34	46	NM	43
Alaska	497	528	-5.9%	451	484	21	21	14	14	NM	NM
Hawaii	729	824	-11.6%	427	428	244	330	20	32	NM	34
U.S. Total	314,079	335,576	-6.4%	179,383	196,310	122,187	127,106	968	1,005	11,540	11,155

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 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	17,859	19,263	-7.3%	594	1,146	16,537	17,245	209	263	519	609
Connecticut	6,264	6,758	-7.3%	NM	NM	6,110	6,609	67	71	77	71
Maine	2,466	2,595	-5.0%	NM	NM	2,027	2,055	32	34	407	506
Massachusetts	4,927	4,911	0.3%	89	105	4,718	4,658	89	122	NM	NM
New Hampshire	3,032	3,967	-23.6%	282	867	2,735	3,079	NM	NM	NM	NM
Rhode Island	710	676	5.1%	2	2	697	655	NM	NM	0	0
Vermont	460	355	29.5%	211	165	249	189	NM	NM	0	0
Middle Atlantic	71,887	74,325	-3.3%	5,714	5,811	64,995	67,371	385	381	793	762
New Jersey	12,658	12,156	4.1%	-2	-10	12,435	11,968	110	101	115	96
New York	22,365	23,071	-3.1%	5,695	5,805	16,288	16,886	210	214	172	165
Pennsylvania	36,864	39,098	-5.7%	NM	NM	36,272	38,517	64	65	506	501
East North Central	101,226	111,519	-9.2%	44,857	50,789	54,291	58,665	356	336	1,722	1,729
Illinois	31,418	34,111	-7.9%	1,277	1,681	29,605	31,874	80	96	456	459
Indiana	17,995	20,007	-10.1%	14,696	17,231	2,729	2,224	41	37	529	515
Michigan	20,092	20,117	-0.1%	14,290	14,922	5,361	4,782	172	152	269	260
Ohio	20,506	25,416	-19.3%	5,794	7,512	14,527	17,720	NM	NM	164	168
Wisconsin	11,215	11,868	-5.5%	8,800	9,443	2,069	2,064	NM	34	304	327
West North Central	56,949	59,257	-3.9%	47,846	51,008	8,312	7,418	118	110	673	721
Iowa	9,761	10,839	-9.9%	7,108	8,184	2,270	2,245	NM	45	343	364
Kansas	7,958	7,642	4.1%	5,724	6,018	2,221	1,614	0	0	NM	NM
Minnesota	10,033	10,280	-2.4%	7,932	8,287	1,841	1,717	NM	38	215	238
Missouri	14,443	15,636	-7.6%	13,986	15,344	424	259	29	23	NM	NM
Nebraska	6,554	6,453	1.6%	5,945	5,817	543	565	NM	NM	63	68
North Dakota	6,409	6,616	-3.1%	5,687	5,876	687	709	NM	NM	NM	31
South Dakota	1,791	1,790	0.0%	1,465	1,482	327	309	NM	NM	0	0
South Atlantic	132,530	135,928	-2.5%	111,475	114,728	17,901	18,046	214	218	2,939	2,937
Delaware	1,023	1,216	-15.9%	NM	NM	854	1,033	NM	NM	159	173
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	34,657	34,877	-0.6%	31,958	32,451	1,854	1,597	NM	NM	834	819
Georgia	21,030	21,297	-1.3%	17,810	17,889	2,425	2,660	NM	5	792	743
Maryland	5,681	6,645	-14.5%	4	NM	5,562	6,494	78	83	37	64
North Carolina	23,162	23,607	-1.9%	21,499	22,186	1,389	1,100	48	44	226	276
South Carolina	16,749	17,036	-1.7%	16,131	16,463	291	275	NM	NM	326	297
Virginia	16,338	15,562	5.0%	13,269	13,044	2,589	2,094	60	64	420	360
West Virginia	13,879	15,676	-11.5%	10,797	12,681	2,937	2,792	0	0	145	203
East South Central	62,828	68,122	-7.8%	53,286	58,143	7,992	8,460	NM	NM	1,525	1,495
Alabama	24,458	25,723	-4.9%	17,711	18,375	6,017	6,629	0	0	730	719
Kentucky	14,301	16,626	-14.0%	14,158	16,481	35	39	0	0	108	107
Mississippi	11,453	11,319	1.2%	9,217	9,245	1,902	1,758	NM	NM	329	313
Tennessee	12,616	14,453	-12.7%	12,201	14,043	36	35	NM	NM	358	356
West South Central	105,778	111,402	-5.0%	35,267	37,546	57,771	61,109	150	146	12,591	12,602
Arkansas	9,280	9,423	-1.5%	7,357	6,253	1,611	2,839	NM	NM	311	331
Louisiana	17,185	17,824	-3.6%	9,859	10,429	1,840	2,178	NM	33	5,454	5,184
Oklahoma	11,888	12,531	-5.1%	6,894	8,479	4,860	3,932	NM	NM	134	120
Texas	67,426	71,623	-5.9%	11,157	12,385	49,461	52,160	116	112	6,692	6,966
Mountain	58,191	56,800	2.4%	45,649	45,972	11,962	10,323	67	63	512	443
Arizona	15,924	15,137	5.2%	14,055	13,449	1,848	1,668	NM	NM	0	0
Colorado	8,932	8,744	2.1%	6,738	6,873	2,181	1,859	NM	NM	NM	NM
Idaho	2,594	2,525	2.7%	1,581	1,745	925	695	0	0	87	86
Montana	4,720	5,008	-5.7%	1,446	1,899	3,272	3,105	0	0	NM	NM
Nevada	5,950	5,309	12.1%	4,568	4,043	1,313	1,218	NM	NM	NM	35
New Mexico	5,279	4,845	9.0%	3,811	3,869	1,439	955	NM	NM	NM	NM
Utah	6,318	7,019	-10.0%	5,935	6,704	294	244	NM	NM	79	59
Wyoming	8,473	8,213	3.2%	7,515	7,391	691	578	0	0	267	244
Pacific Contiguous	57,426	57,857	-0.7%	36,245	38,647	18,119	16,221	428	435	2,635	2,554
California	28,411	26,574	6.9%	11,418	10,581	14,297	13,349	401	413	2,296	2,231
Oregon	10,592	10,574	0.2%	7,940	8,762	2,540	1,688	NM	NM	92	108
Washington	18,422	20,709	-11.0%	16,886	19,304	1,282	1,184	NM	NM	247	215
Pacific Noncontiguous	2,557	2,737	-6.6%	1,813	1,928	567	623	81	92	96	94
Alaska	1,038	1,133	-8.4%	941	1,042	42	42	29	29	NM	21
Hawaii	1,520	1,604	-5.3%	872	886	524	581	52	63	NM	74
U.S. Total	667,231	697,210	-4.3%	382,747	405,717	258,447	265,480	2,034	2,067	24,004	23,946

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

Table 1.4.A. Utility Scale Facility Net Generation from Coal by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	369	1,126	-67.3%	64	334	301	780	0	0	3	12
Connecticut	14	224	-93.9%	0	0	14	224	0	0	0	0
Maine	7	20	-68.1%	0	0	5	11	0	0	1	10
Massachusetts	285	547	-48.0%	0	0	283	545	0	0	NM	NM
New Hampshire	64	334	-80.9%	64	334	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	5,020	8,313	-39.6%	0	0	4,956	8,240	NM	NM	64	71
New Jersey	117	446	-73.7%	0	0	117	446	0	0	0	0
New York	220	563	-61.0%	0	0	194	538	0	0	26	25
Pennsylvania	4,683	7,303	-35.9%	0	0	4,645	7,255	NM	NM	38	46
East North Central	21,172	30,411	-30.4%	14,039	18,122	6,911	12,029	15	15	207	245
Illinois	4,116	7,266	-43.4%	498	768	3,490	6,351	4	NM	124	143
Indiana	5,879	7,346	-20.0%	5,426	6,868	449	472	4	5	NM	NM
Michigan	3,415	4,400	-22.4%	3,365	4,348	35	32	7	6	8	13
Ohio	5,227	8,311	-37.1%	2,271	3,117	2,938	5,175	NM	NM	19	20
Wisconsin	2,534	3,088	-17.9%	2,479	3,021	0	0	NM	NM	55	67
West North Central	14,645	18,059	-18.9%	14,380	17,757	NM	NM	13	21	250	279
Iowa	1,973	3,087	-36.1%	1,812	2,913	0	0	8	NM	152	161
Kansas	1,637	1,932	-15.3%	1,637	1,932	0	0	0	0	0	0
Minnesota	1,920	2,393	-19.8%	1,861	2,323	0	0	NM	NM	59	70
Missouri	5,035	6,197	-18.8%	5,026	6,183	NM	NM	5	7	NM	NM
Nebraska	1,680	1,778	-5.5%	1,650	1,743	0	0	0	0	30	35
North Dakota	2,219	2,411	-7.9%	2,213	2,403	0	0	0	0	NM	NM
South Dakota	180	261	-30.9%	180	261	0	0	0	0	0	0
South Atlantic	18,863	26,345	-28.4%	16,271	22,538	2,456	3,648	9	NM	127	148
Delaware	80	192	-58.3%	0	0	80	192	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,316	3,351	-30.9%	2,296	3,339	0	1	0	0	NM	NM
Georgia	2,760	3,681	-25.0%	2,738	3,660	0	0	0	0	21	NM
Maryland	1,170	2,043	-42.7%	0	0	1,165	2,030	0	NM	5	13
North Carolina	2,752	4,925	-44.1%	2,693	4,832	NM	NM	8	11	NM	NM
South Carolina	1,792	2,573	-30.3%	1,781	2,557	0	0	0	0	11	16
Virginia	1,638	2,081	-21.3%	1,541	1,857	60	194	NM	NM	35	NM
West Virginia	6,356	7,498	-15.2%	5,222	6,294	1,117	1,155	0	0	16	49
East South Central	10,659	14,488	-26.4%	10,274	14,110	294	282	0	0	91	96
Alabama	2,319	3,249	-28.6%	2,305	3,231	0	0	0	0	NM	NM
Kentucky	5,652	7,426	-23.9%	5,652	7,426	0	0	0	0	0	0
Mississippi	557	786	-29.2%	263	504	294	282	0	0	0	0
Tennessee	2,132	3,028	-29.6%	2,054	2,950	0	0	0	0	77	78
West South Central	9,946	14,858	-33.1%	5,060	7,584	4,856	7,248	0	0	NM	NM
Arkansas	1,594	2,132	-25.2%	1,232	1,705	357	422	0	0	5	5
Louisiana	892	1,496	-40.4%	685	732	208	764	0	0	0	0
Oklahoma	1,257	2,084	-39.7%	1,075	1,948	157	114	0	0	NM	NM
Texas	6,203	9,146	-32.2%	2,068	3,199	4,135	5,948	0	0	0	0
Mountain	11,998	13,359	-10.2%	10,577	12,157	1,380	1,155	0	0	41	46
Arizona	1,908	2,219	-14.0%	1,908	2,219	0	0	0	0	0	0
Colorado	2,168	2,679	-19.1%	2,162	2,676	NM	NM	0	0	NM	NM
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,258	1,040	21.0%	NM	NM	1,237	1,017	0	0	NM	NM
Nevada	154	159	-3.1%	93	101	61	58	0	0	0	0
New Mexico	1,160	1,392	-16.7%	1,160	1,392	0	0	0	0	0	0
Utah	2,063	2,580	-20.0%	2,042	2,555	NM	NM	0	0	0	0
Wyoming	3,282	3,282	0.0%	3,192	3,192	NM	NM	0	0	35	37
Pacific Contiguous	33	36	-7.5%	0	0	0	NM	0	0	33	29
California	29	33	-12.5%	0	0	0	NM	0	0	29	27
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	4	2	59.6%	0	0	0	0	0	0	4	2
Pacific Noncontiguous	196	157	24.8%	48	27	136	117	9	9	NM	NM
Alaska	73	53	36.7%	48	27	16	17	9	9	0	0
Hawaii	123	104	18.7%	0	0	121	101	0	0	NM	NM
U.S. Total	92,900	127,152	-26.9%	70,713	92,630	21,293	33,509	46	59	848	955

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	890	2,246	-60.4%	144	656	739	1,570	0	0	7	21
Connecticut	57	430	-86.6%	0	0	57	430	0	0	0	0
Maine	16	35	-55.2%	0	0	13	19	0	0	2	16
Massachusetts	673	1,126	-40.3%	0	0	668	1,121	0	0	NM	NM
New Hampshire	144	656	-78.0%	144	656	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	11,301	16,551	-31.7%	0	0	11,171	16,405	NM	NM	130	143
New Jersey	238	749	-68.3%	0	0	238	749	0	0	0	0
New York	378	882	-57.1%	0	0	328	831	0	0	50	51
Pennsylvania	10,686	14,919	-28.4%	0	0	10,606	14,825	NM	NM	79	92
East North Central	47,486	61,693	-23.0%	30,334	37,193	16,696	23,978	23	27	433	495
Illinois	9,847	14,640	-32.7%	1,182	1,628	8,394	12,716	8	8	263	288
Indiana	12,543	15,231	-17.6%	11,603	14,317	932	902	6	8	NM	NM
Michigan	7,768	8,696	-10.7%	7,667	8,593	70	67	9	10	22	27
Ohio	11,630	16,338	-28.8%	4,292	6,003	7,300	10,293	NM	NM	38	41
Wisconsin	5,697	6,789	-16.1%	5,590	6,654	0	0	NM	NM	108	135
West North Central	33,022	37,214	-11.3%	32,492	36,623	NM	NM	25	40	501	546
Iowa	4,567	5,975	-23.6%	4,251	5,632	0	0	15	24	301	319
Kansas	3,719	4,057	-8.3%	3,719	4,057	0	0	0	0	0	0
Minnesota	4,394	4,982	-11.8%	4,273	4,845	0	0	NM	NM	121	136
Missouri	11,182	12,924	-13.5%	11,164	12,895	NM	NM	10	16	NM	NM
Nebraska	3,883	3,727	4.2%	3,822	3,659	0	0	0	0	61	68
North Dakota	4,860	5,027	-3.3%	4,847	5,012	0	0	0	0	14	15
South Dakota	416	523	-20.4%	416	523	0	0	0	0	0	0
South Atlantic	39,578	50,023	-20.9%	34,139	43,040	5,151	6,623	19	22	269	338
Delaware	210	310	-32.2%	0	0	210	310	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,873	6,453	-24.5%	4,831	6,419	0	1	0	0	NM	NM
Georgia	5,730	6,692	-14.4%	5,687	6,637	0	0	0	0	42	55
Maryland	2,230	3,582	-37.7%	0	0	2,219	3,550	0	NM	12	31
North Carolina	6,580	8,919	-26.2%	6,453	8,779	NM	NM	16	20	NM	NM
South Carolina	3,622	4,984	-27.3%	3,596	4,955	0	0	0	0	27	29
Virginia	3,135	4,014	-21.9%	2,919	3,676	142	273	NM	NM	72	63
West Virginia	13,198	15,070	-12.4%	10,653	12,574	2,511	2,397	0	0	33	98
East South Central	22,959	29,151	-21.2%	22,255	28,380	513	574	0	0	192	197
Alabama	4,798	6,317	-24.0%	4,769	6,283	0	0	0	0	NM	NM
Kentucky	12,092	14,920	-19.0%	12,092	14,920	0	0	0	0	0	0
Mississippi	1,039	1,449	-28.3%	526	875	513	574	0	0	0	0
Tennessee	5,030	6,465	-22.2%	4,868	6,301	0	0	0	0	162	163
West South Central	23,035	32,102	-28.2%	11,941	16,544	11,029	15,507	0	0	65	NM
Arkansas	3,505	3,759	-6.7%	2,735	3,280	759	468	0	0	12	11
Louisiana	1,966	3,374	-41.7%	1,409	1,696	557	1,679	0	0	0	0
Oklahoma	2,837	4,459	-36.4%	2,415	4,156	368	261	0	0	NM	NM
Texas	14,727	20,511	-28.2%	5,382	7,412	9,345	13,099	0	0	0	0
Mountain	27,239	29,705	-8.3%	24,146	26,731	3,008	2,884	0	0	86	90
Arizona	4,572	5,422	-15.7%	4,572	5,422	0	0	0	0	0	0
Colorado	4,918	5,563	-11.6%	4,906	5,554	NM	NM	0	0	NM	NM
Idaho	12	13	-13.3%	0	0	0	0	0	0	12	13
Montana	2,737	2,614	4.7%	NM	NM	2,689	2,564	0	0	NM	NM
Nevada	307	370	-17.0%	175	234	132	136	0	0	0	0
New Mexico	2,875	2,963	-3.0%	2,875	2,963	0	0	0	0	0	0
Utah	4,671	5,628	-17.0%	4,621	5,571	NM	NM	0	0	0	0
Wyoming	7,146	7,132	0.2%	6,949	6,939	NM	119	0	0	73	74
Pacific Contiguous	749	647	15.6%	308	26	372	561	0	0	68	60
California	61	63	-2.8%	0	0	0	NM	0	0	61	56
Oregon	308	26	NM	308	26	0	0	0	0	0	0
Washington	379	559	-32.2%	0	0	372	554	0	0	7	4
Pacific Noncontiguous	392	317	23.8%	87	45	280	247	19	19	NM	NM
Alaska	139	97	42.5%	87	45	32	33	19	19	0	0
Hawaii	253	219	15.5%	0	0	248	214	0	0	NM	NM
U.S. Total	206,651	259,650	-20.4%	155,845	189,238	48,964	68,354	87	111	1,755	1,946

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	109	1,532	-92.9%	3	139	98	1,319	NM	NM	NM	25
Connecticut	3	358	-99.2%	NM	NM	2	353	NM	NM	NM	NM
Maine	57	347	-83.6%	NM	NM	56	323	NM	NM	NM	23
Massachusetts	44	607	-92.8%	1	48	39	530	NM	NM	NM	NM
New Hampshire	NM	137	NM	NM	89	NM	41	NM	NM	NM	NM
Rhode Island	NM	81	NM	1	1	1	72	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	248	1,689	-85.3%	88	495	155	1,161	NM	NM	NM	13
New Jersey	33	207	-84.0%	NM	NM	33	206	NM	NM	NM	NM
New York	194	1,182	-83.6%	88	495	102	657	NM	NM	NM	11
Pennsylvania	21	301	-93.1%	NM	NM	20	299	NM	NM	NM	NM
East North Central	47	57	-17.1%	33	40	13	14	NM	NM	2	NM
Illinois	8	NM	NM	2	NM	6	NM	NM	NM	NM	NM
Indiana	10	24	-59.7%	9	22	NM	NM	NM	NM	1	2
Michigan	9	8	5.8%	8	8	0	NM	0	NM	NM	NM
Ohio	16	17	-2.9%	11	5	5	11	NM	NM	NM	NM
Wisconsin	NM	3	NM	NM	2	2	NM	NM	NM	NM	NM
West North Central	25	22	14.6%	24	19	NM	NM	NM	NM	NM	NM
Iowa	7	1	358.7%	7	1	NM	NM	NM	NM	NM	NM
Kansas	2	4	-53.1%	2	4	0	0	0	0	0	0
Minnesota	NM	5	NM	NM	3	NM	NM	NM	NM	NM	NM
Missouri	8	7	12.4%	8	7	0	0	NM	NM	0	0
Nebraska	NM	2	NM	NM	2	0	0	0	0	0	0
North Dakota	NM	2	NM	NM	2	0	0	NM	NM	NM	NM
South Dakota	NM	0	NM	NM	0	NM	NM	NM	NM	0	0
South Atlantic	196	1,157	-83.0%	129	820	57	308	NM	NM	10	18
Delaware	25	94	-73.1%	NM	NM	25	92	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	13	63	-78.6%	11	57	NM	NM	0	0	NM	NM
Georgia	7	47	-86.1%	3	14	NM	27	NM	NM	3	7
Maryland	27	82	-67.6%	NM	NM	26	70	NM	NM	NM	NM
North Carolina	39	193	-79.6%	39	178	NM	12	NM	NM	NM	NM
South Carolina	21	84	-74.6%	18	77	NM	6	NM	NM	3	1
Virginia	56	576	-90.2%	50	485	6	90	NM	NM	NM	NM
West Virginia	7	16	-55.6%	7	6	0	10	0	0	0	0
East South Central	17	61	-72.4%	15	46	NM	8	NM	NM	NM	NM
Alabama	4	19	-79.3%	2	6	NM	8	0	0	NM	NM
Kentucky	8	NM	NM	8	NM	0	0	0	0	0	0
Mississippi	1	2	-38.5%	1	2	0	0	0	0	0	0
Tennessee	3	22	-86.0%	3	21	NM	NM	NM	NM	NM	NM
West South Central	9	19	-55.1%	5	8	3	10	NM	NM	NM	NM
Arkansas	1	5	-79.9%	1	4	0	0	0	0	0	0
Louisiana	2	4	-44.5%	1	1	1	3	0	0	0	0
Oklahoma	NM	NM	NM	0	NM	0	0	NM	NM	NM	NM
Texas	5	11	-49.5%	3	3	2	NM	NM	NM	NM	NM
Mountain	NM	20	NM	NM	18	1	1	NM	NM	NM	NM
Arizona	NM	5	NM	NM	5	0	0	NM	NM	0	0
Colorado	NM	1	NM	NM	1	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	1	NM	NM	NM	1	1	0	0	0	0
Nevada	0	2	-75.2%	0	1	0	0	0	0	0	0
New Mexico	NM	6	NM	NM	6	0	0	0	0	NM	NM
Utah	NM	1	NM	2	1	NM	NM	0	0	NM	NM
Wyoming	4	4	-4.5%	3	3	0	0	0	0	NM	NM
Pacific Contiguous	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
California	NM	NM	NM	NM	2	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	0	0	0	0	NM	NM	0	0
Washington	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Pacific Noncontiguous	564	661	-14.7%	478	477	66	170	NM	NM	NM	14
Alaska	64	60	6.8%	61	57	0	0	NM	NM	3	3
Hawaii	500	601	-16.9%	416	420	66	170	0	0	NM	10
U.S. Total	1,235	5,222	-76.3%	792	2,067	392	2,995	13	80	NM	80

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	162	1,783	-90.9%	12	146	136	1,547	12	63	NM	28
Connecticut	10	371	-97.4%	1	NM	7	365	NM	NM	NM	NM
Maine	77	463	-83.4%	NM	NM	74	435	NM	NM	NM	26
Massachusetts	64	702	-90.9%	7	49	50	615	NM	NM	NM	NM
New Hampshire	NM	154	NM	1	92	NM	52	NM	NM	NM	NM
Rhode Island	8	93	-91.2%	2	2	4	80	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	393	2,140	-81.6%	140	702	233	1,384	8	NM	13	28
New Jersey	43	259	-83.4%	NM	NM	43	258	NM	NM	NM	NM
New York	301	1,522	-80.2%	139	701	143	770	7	NM	11	26
Pennsylvania	49	359	-86.4%	NM	NM	47	357	NM	NM	NM	NM
East North Central	96	111	-13.7%	66	77	26	28	NM	NM	4	NM
Illinois	16	10	71.4%	4	NM	12	6	1	NM	NM	NM
Indiana	22	38	-42.4%	20	35	NM	NM	NM	NM	2	3
Michigan	19	16	18.7%	18	15	0	NM	0	NM	NM	NM
Ohio	32	38	-17.0%	19	14	12	22	NM	NM	NM	NM
Wisconsin	NM	9	NM	NM	9	2	NM	NM	NM	NM	NM
West North Central	41	49	-15.9%	39	45	1	NM	NM	NM	NM	NM
Iowa	10	5	101.5%	10	5	NM	NM	NM	NM	NM	NM
Kansas	5	11	-54.8%	5	11	0	0	0	0	0	0
Minnesota	NM	7	NM	NM	4	1	NM	NM	NM	NM	NM
Missouri	13	18	-26.8%	13	18	0	0	NM	NM	0	0
Nebraska	NM	3	NM	NM	3	0	0	0	0	0	0
North Dakota	NM	4	NM	NM	4	0	0	NM	NM	NM	NM
South Dakota	NM	1	NM	NM	1	NM	NM	NM	NM	0	0
South Atlantic	587	1,574	-62.7%	393	1,112	173	418	NM	NM	20	30
Delaware	45	128	-64.5%	NM	NM	45	126	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	50	160	-69.0%	44	151	NM	NM	0	0	5	NM
Georgia	40	89	-54.6%	12	29	19	46	0	0	8	13
Maryland	64	113	-43.5%	2	NM	61	96	NM	NM	NM	NM
North Carolina	99	269	-63.3%	71	246	26	19	NM	NM	NM	NM
South Carolina	48	120	-59.5%	43	106	NM	11	NM	NM	4	2
Virginia	224	669	-66.6%	203	558	20	108	NM	NM	NM	NM
West Virginia	17	27	-37.2%	17	17	0	10	0	0	0	0
East South Central	56	99	-43.3%	47	78	5	12	NM	NM	NM	NM
Alabama	16	35	-55.1%	7	16	5	11	0	0	NM	NM
Kentucky	17	NM	NM	17	NM	0	0	0	0	0	0
Mississippi	5	4	48.2%	5	3	0	0	0	0	0	1
Tennessee	18	33	-45.4%	18	32	NM	NM	NM	NM	NM	NM
West South Central	25	51	-51.5%	18	28	6	21	NM	NM	NM	NM
Arkansas	8	11	-30.1%	7	7	1	3	0	0	1	0
Louisiana	4	21	-80.5%	2	14	2	7	0	0	0	0
Oklahoma	2	NM	NM	2	NM	0	0	NM	NM	NM	NM
Texas	11	19	-42.7%	7	6	3	11	NM	NM	NM	NM
Mountain	34	40	-15.8%	30	38	3	2	NM	NM	NM	NM
Arizona	5	11	-59.1%	5	11	0	0	NM	NM	0	0
Colorado	NM	2	NM	NM	2	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	2	NM	NM	NM	2	1	0	0	0	0
Nevada	2	4	-57.1%	1	3	0	0	0	0	0	0
New Mexico	NM	12	NM	NM	12	0	0	0	0	NM	NM
Utah	NM	2	NM	3	2	NM	NM	0	0	NM	NM
Wyoming	7	8	-7.1%	6	7	0	0	0	0	NM	NM
Pacific Contiguous	9	10	-10.2%	6	5	NM	3	NM	NM	NM	2
California	6	8	-16.4%	5	5	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	0	0	0	0	NM	NM	0	0
Washington	NM	NM	NM	NM	NM	0	0	NM	NM	NM	2
Pacific Noncontiguous	1,191	1,291	-7.8%	982	995	174	261	1	1	NM	34
Alaska	137	134	2.7%	129	126	0	0	NM	NM	7	8
Hawaii	1,054	1,158	-9.0%	852	869	174	261	1	0	NM	27
U.S. Total	2,594	7,151	-63.7%	1,732	3,227	756	3,679	24	106	82	139

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

Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
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	20	NM	0	0	0	0	0	0	NM	20
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	18	NM	0	0	0	0	0	0	NM	18
East North Central	301	324	-7.2%	223	202	61	94	0	0	17	28
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	164	143	15.3%	164	143	0	0	0	0	0	0
Michigan	67	73	-7.7%	56	55	0	3	0	0	NM	NM
Ohio	61	91	-33.1%	0	0	61	91	0	0	NM	0
Wisconsin	8	17	-53.8%	3	4	0	0	0	0	5	14
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	128	174	-26.6%	117	157	0	0	0	0	11	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	117	157	-25.7%	117	157	0	0	0	0	0	0
Georgia	11	17	-34.8%	0	0	0	0	0	0	11	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	86	109	-21.3%	86	109	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	86	109	-21.3%	86	109	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	337	447	-24.5%	308	412	0	0	0	0	29	35
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	327	435	-24.9%	308	412	0	0	0	0	NM	24
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	10	12	-10.0%	0	0	0	0	0	0	10	12
Mountain	38	38	0.8%	0	0	38	38	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	38	38	0.8%	0	0	38	38	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	NM	NM	0	0	0	NM	0	0	0	0
California	0	NM	NM	0	0	0	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	911	1,120	-18.7%	734	879	99	132	1	1	77	107

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	NM	37	NM	0	0	0	0	0	0	NM	37
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	34	NM	0	0	0	0	0	0	NM	34
East North Central	514	616	-16.6%	410	384	62	181	0	0	NM	51
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	350	263	33.0%	350	263	0	0	0	0	0	0
Michigan	85	149	-42.8%	56	114	3	6	0	0	NM	28
Ohio	62	175	-64.5%	0	0	60	175	0	0	NM	0
Wisconsin	17	29	-43.3%	4	7	0	0	0	0	13	23
West North Central	NM	15	NM	0	0	0	0	2	2	NM	NM
Iowa	NM	15	NM	0	0	0	0	2	2	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	329	316	4.2%	306	281	0	0	0	0	23	35
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	306	281	9.0%	306	281	0	0	0	0	0	0
Georgia	23	35	-34.0%	0	0	0	0	0	0	23	35
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	138	217	-36.5%	138	217	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	138	217	-36.5%	138	217	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	783	880	-11.0%	712	810	0	0	0	0	71	70
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	760	855	-11.2%	712	810	0	0	0	0	NM	45
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	24	25	-5.4%	0	0	0	0	0	0	24	25
Mountain	78	79	-0.9%	0	0	78	79	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	78	79	-0.9%	0	0	78	79	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	NM	NM	0	0	0	NM	0	0	0	0
California	0	NM	NM	0	0	0	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,891	2,161	-12.5%	1,566	1,692	141	261	2	2	183	206

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. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	3,589	2,807	27.9%	6	10	3,407	2,643	77	70	99	83
Connecticut	1,428	1,114	28.1%	0	0	1,361	1,053	NM	NM	NM	NM
Maine	320	225	42.4%	0	0	269	185	NM	NM	49	38
Massachusetts	1,338	908	47.3%	6	10	1,281	853	39	35	NM	NM
New Hampshire	164	317	-48.1%	0	0	161	313	NM	NM	NM	NM
Rhode Island	339	242	39.8%	0	0	335	239	NM	NM	0	0
Vermont	0	0	-100.0%	0	0	0	0	0	0	0	0
Middle Atlantic	11,087	9,509	16.6%	846	770	9,994	8,520	91	81	156	139
New Jersey	2,855	2,300	24.1%	NM	NM	2,803	2,251	NM	NM	NM	NM
New York	3,575	3,536	1.1%	839	763	2,650	2,701	65	56	22	NM
Pennsylvania	4,657	3,673	26.8%	NM	NM	4,541	3,567	NM	NM	104	94
East North Central	8,939	7,822	14.3%	3,882	3,515	4,769	4,060	133	117	154	131
Illinois	1,133	726	56.0%	53	27	1,011	627	35	42	NM	NM
Indiana	1,546	1,666	-7.2%	1,212	1,355	279	255	14	NM	42	45
Michigan	2,174	1,712	27.0%	645	363	1,418	1,270	58	44	52	NM
Ohio	2,673	2,523	5.9%	646	679	2,013	1,831	NM	NM	NM	NM
Wisconsin	1,413	1,195	18.3%	1,326	1,092	47	77	NM	NM	22	NM
West North Central	1,483	1,219	21.6%	1,229	1,112	203	66	28	NM	NM	NM
Iowa	233	204	14.6%	216	188	0	NM	NM	NM	NM	NM
Kansas	44	76	-41.9%	40	72	0	0	0	0	NM	NM
Minnesota	750	486	54.3%	632	428	97	38	NM	NM	NM	NM
Missouri	322	355	-9.2%	211	327	106	27	5	0	NM	NM
Nebraska	NM	NM	NM	NM	NM	0	0	NM	NM	1	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	85	68	25.1%	85	68	0	0	0	0	0	0
South Atlantic	23,204	20,815	11.5%	19,059	17,241	3,848	3,287	43	NM	254	249
Delaware	369	245	50.2%	NM	NM	309	178	0	0	56	65
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	10,990	10,309	6.6%	10,203	9,706	675	486	NM	NM	111	115
Georgia	3,786	3,815	-0.8%	2,667	2,579	1,084	1,210	0	0	36	27
Maryland	290	171	70.0%	0	0	250	137	NM	NM	NM	NM
North Carolina	3,434	2,838	21.0%	3,101	2,546	323	279	1	0	NM	13
South Carolina	1,002	909	10.2%	874	788	123	119	NM	NM	4	NM
Virginia	3,303	2,482	33.1%	2,210	1,602	1,063	856	NM	NM	30	24
West Virginia	25	40	-38.1%	1	17	22	23	0	0	2	0
East South Central	9,646	10,044	-4.0%	6,124	6,157	3,349	3,728	NM	NM	161	148
Alabama	4,170	4,451	-6.3%	1,319	1,331	2,759	3,037	0	0	92	83
Kentucky	492	519	-5.2%	472	482	1	20	0	0	NM	NM
Mississippi	4,172	4,250	-1.8%	3,548	3,544	589	671	NM	NM	34	33
Tennessee	811	824	-1.6%	785	801	NM	NM	NM	NM	15	14
West South Central	24,445	26,412	-7.4%	7,248	7,517	11,837	13,919	67	63	5,293	4,913
Arkansas	796	1,736	-54.1%	433	438	336	1,266	NM	NM	28	32
Louisiana	5,300	4,669	13.5%	2,572	2,570	505	176	NM	NM	2,206	1,908
Oklahoma	2,243	2,864	-21.7%	1,648	2,004	582	847	0	0	NM	NM
Texas	16,106	17,143	-6.1%	2,595	2,504	10,414	11,630	51	48	3,046	2,960
Mountain	6,437	4,985	29.1%	4,926	3,653	1,354	1,215	NM	NM	137	94
Arizona	1,712	1,148	49.2%	1,125	651	579	489	NM	NM	0	0
Colorado	850	646	31.5%	716	445	132	200	0	0	NM	NM
Idaho	345	60	470.7%	184	NM	152	55	0	0	9	NM
Montana	70	NM	NM	64	NM	NM	NM	0	0	0	0
Nevada	2,014	1,834	9.8%	1,876	1,692	101	124	NM	NM	NM	14
New Mexico	791	704	12.4%	415	377	357	319	NM	NM	NM	2
Utah	597	502	18.9%	542	447	NM	NM	NM	NM	NM	NM
Wyoming	58	50	14.6%	NM	NM	NM	NM	0	0	55	47
Pacific Contiguous	9,320	7,493	24.4%	3,925	2,981	4,544	3,599	NM	113	746	801
California	6,999	6,753	3.6%	2,572	2,616	3,602	3,240	NM	105	731	791
Oregon	1,347	484	178.1%	503	157	828	316	NM	NM	NM	NM
Washington	973	256	280.1%	850	207	114	43	NM	NM	8	4
Pacific Noncontiguous	218	252	-13.4%	210	247	0	0	NM	NM	NM	NM
Alaska	218	252	-13.4%	210	247	0	0	NM	NM	NM	NM
Hawaii	0	0	–	0	0	0	0	0	0	0	0
U.S. Total	98,368	91,357	7.7%	47,455	43,203	43,306	41,036	577	533	7,031	6,586

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

Table 1.7.B. Utility Scale Facility Net Generation from Natural Gas

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	7,499	6,468	15.9%	8	14	7,130	6,128	155	151	206	175
Connecticut	2,988	2,676	11.7%	0	0	2,845	2,547	66	60	77	69
Maine	723	536	34.8%	0	0	618	451	NM	NM	100	81
Massachusetts	2,650	1,880	41.0%	8	13	2,544	1,768	75	78	NM	NM
New Hampshire	477	834	-42.9%	0	0	469	827	NM	NM	NM	NM
Rhode Island	662	541	22.3%	0	0	654	534	NM	NM	0	0
Vermont	0	0	-96.6%	0	0	0	0	0	0	0	0
Middle Atlantic	23,274	20,860	11.6%	1,750	1,840	21,000	18,557	193	173	330	290
New Jersey	6,068	4,864	24.7%	NM	NM	5,956	4,762	NM	NM	66	60
New York	7,743	7,756	-0.2%	1,735	1,825	5,828	5,774	137	122	43	34
Pennsylvania	9,463	8,240	14.8%	NM	NM	9,216	8,020	NM	NM	221	196
East North Central	18,082	15,497	16.7%	7,839	6,880	9,651	8,106	271	245	322	266
Illinois	2,233	1,543	44.8%	76	40	2,014	1,350	70	86	73	66
Indiana	3,253	3,090	5.3%	2,594	2,502	539	474	28	22	91	91
Michigan	4,306	3,405	26.5%	1,135	789	2,950	2,451	120	96	101	69
Ohio	5,518	5,202	6.1%	1,430	1,455	4,060	3,719	NM	NM	NM	NM
Wisconsin	2,773	2,258	22.8%	2,603	2,094	88	111	NM	NM	NM	28
West North Central	2,962	2,211	34.0%	2,484	2,025	370	104	NM	NM	NM	45
Iowa	485	389	24.6%	451	359	0	NM	NM	NM	NM	NM
Kansas	95	116	-18.6%	84	108	0	0	0	0	NM	NM
Minnesota	1,514	819	84.9%	1,294	728	174	53	NM	NM	NM	NM
Missouri	618	680	-9.0%	413	628	196	51	9	0	NM	NM
Nebraska	20	28	-27.7%	18	27	0	0	NM	NM	2	NM
North Dakota	74	NM	NM	68	NM	0	0	0	0	NM	NM
South Dakota	155	135	14.6%	155	135	0	0	0	0	0	0
South Atlantic	47,605	43,655	9.0%	39,405	36,553	7,561	6,507	91	79	548	517
Delaware	717	735	-2.4%	NM	NM	582	582	0	0	129	147
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	22,767	21,587	5.5%	21,271	20,448	1,256	900	NM	NM	235	234
Georgia	7,977	8,119	-1.7%	5,676	5,570	2,225	2,499	0	0	76	49
Maryland	477	309	54.3%	0	0	393	238	72	63	NM	NM
North Carolina	6,764	6,001	12.7%	6,085	5,394	657	582	2	0	NM	24
South Carolina	2,222	1,853	19.9%	1,998	1,657	214	192	NM	NM	10	4
Virginia	6,620	4,976	33.0%	4,362	3,452	2,196	1,474	NM	NM	62	50
West Virginia	47	65	-27.5%	7	25	37	41	0	0	3	NM
East South Central	20,358	19,718	3.2%	12,607	11,595	7,393	7,791	NM	NM	333	310
Alabama	8,997	9,514	-5.4%	2,837	2,767	5,971	6,572	0	0	189	175
Kentucky	1,189	740	60.5%	1,114	666	32	37	0	0	43	38
Mississippi	8,522	8,006	6.5%	7,061	6,751	1,388	1,182	NM	NM	70	69
Tennessee	1,650	1,458	13.1%	1,596	1,411	NM	NM	NM	NM	32	27
West South Central	52,953	54,968	-3.7%	15,751	14,509	26,311	29,564	136	133	10,755	10,762
Arkansas	1,990	3,082	-35.4%	1,111	671	817	2,344	NM	NM	61	66
Louisiana	11,121	9,685	14.8%	5,572	5,110	1,034	339	NM	33	4,483	4,204
Oklahoma	5,232	5,710	-8.4%	3,652	3,920	1,553	1,766	0	0	NM	25
Texas	34,610	36,490	-5.2%	5,417	4,808	22,906	25,114	103	100	6,184	6,468
Mountain	14,096	10,975	28.4%	10,745	7,927	3,044	2,788	51	52	257	208
Arizona	3,751	2,663	40.9%	2,409	1,379	1,324	1,266	NM	NM	0	0
Colorado	1,864	1,476	26.3%	1,563	1,083	298	391	0	0	NM	NM
Idaho	761	385	97.5%	398	207	345	171	0	0	18	NM
Montana	147	92	59.8%	135	84	NM	NM	0	0	0	0
Nevada	4,513	3,657	23.4%	4,200	3,342	253	272	NM	NM	NM	35
New Mexico	1,646	1,501	9.7%	875	857	742	625	NM	NM	NM	NM
Utah	1,295	1,097	18.1%	1,160	971	NM	NM	NM	NM	56	59
Wyoming	119	104	14.5%	NM	NM	NM	NM	0	0	113	98
Pacific Contiguous	21,055	18,255	15.3%	8,559	7,145	10,479	9,164	254	258	1,763	1,687
California	15,918	15,712	1.3%	5,538	5,693	8,424	8,113	233	242	1,723	1,664
Oregon	2,854	1,646	73.4%	1,065	671	1,752	951	NM	NM	NM	NM
Washington	2,283	897	154.6%	1,956	781	303	100	NM	NM	20	12
Pacific Noncontiguous	465	562	-17.4%	447	550	0	0	NM	NM	NM	NM
Alaska	465	562	-17.4%	447	550	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	208,348	193,168	7.9%	99,595	89,037	92,938	88,709	1,233	1,152	14,582	14,271

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 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
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	65	49	31.5%	0	0	0	0	0	0	65	49
New Jersey	NM	15	NM	0	0	0	0	0	0	NM	15
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	45	34	31.6%	0	0	0	0	0	0	45	34
East North Central	483	403	19.8%	NM	25	217	165	0	0	258	214
Illinois	NM	31	NM	0	0	2	0	0	0	NM	31
Indiana	191	164	17.1%	NM	NM	0	0	0	0	187	161
Michigan	134	123	9.4%	3	22	132	101	0	0	0	0
Ohio	115	86	34.0%	0	0	84	64	0	0	NM	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	11	14	-20.7%	0	0	0	0	0	0	11	14
Delaware	10	11	-13.1%	0	0	0	0	0	0	10	11
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	124.6%	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	1	3	-57.8%	0	0	0	0	0	0	1	3
East South Central	NM	3	NM	0	0	0	0	0	0	NM	3
Alabama	NM	2	NM	0	0	0	0	0	0	NM	2
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	39.4%	0	0	0	0	0	0	1	1
West South Central	362	421	-14.0%	0	0	79	112	0	0	283	308
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	185	211	-12.6%	0	0	0	0	0	0	185	211
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	177	209	-15.4%	0	0	79	112	0	0	98	97
Mountain	41	36	13.1%	0	0	2	2	0	0	39	34
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	12.3%	0	0	1	1	0	0	0	0
Nevada	0	0	-0.7%	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	39	34	13.3%	0	0	0	0	0	0	39	34
Pacific Contiguous	163	143	13.7%	0	0	28	30	0	0	135	113
California	135	113	18.8%	0	0	0	0	0	0	135	113
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	28	30	-5.5%	0	0	28	30	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	1,139	1,080	5.5%	NM	25	326	308	0	0	805	747

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

Table 1.8.B. Utility Scale Facility Net Generation from Other Gases

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	116	111	5.1%	0	0	0	0	0	0	116	111
New Jersey	39	33	20.0%	0	0	0	0	0	0	39	33
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	77	78	-1.0%	0	0	0	0	0	0	77	78
East North Central	950	893	6.4%	NM	52	436	367	0	0	503	475
Illinois	83	66	25.6%	0	0	4	0	0	0	79	66
Indiana	374	367	2.0%	NM	NM	0	0	0	0	367	361
Michigan	274	276	-0.9%	5	46	269	231	0	0	0	0
Ohio	220	184	19.4%	0	0	163	136	0	0	57	48
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	32	30	7.7%	0	0	0	0	0	0	32	30
Delaware	29	24	20.7%	0	0	0	0	0	0	29	24
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	0	113.7%	0	0	0	0	0	0	1	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	3	6	-48.8%	0	0	0	0	0	0	3	6
East South Central	NM	7	NM	0	0	0	0	0	0	NM	7
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	2	2	23.5%	0	0	0	0	0	0	2	2
West South Central	821	880	-6.8%	0	0	187	248	0	0	633	632
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	420	424	-1.0%	0	0	0	0	0	0	420	424
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	400	456	-12.2%	0	0	187	248	0	0	213	208
Mountain	84	74	12.9%	0	0	3	3	0	0	80	71
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	3	2	23.5%	0	0	3	2	0	0	0	0
Nevada	1	1	0.4%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	80	71	12.6%	0	0	0	0	0	0	80	71
Pacific Contiguous	358	357	0.4%	0	0	65	63	0	0	294	294
California	294	294	-0.1%	0	0	0	0	0	0	294	294
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	65	63	2.8%	0	0	65	63	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	2,393	2,373	0.8%	NM	52	691	681	0	0	1,690	1,641

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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. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	2,727	2,507	8.8%	0	0	2,727	2,507	0	0	0	0
Connecticut	1,454	1,416	2.6%	0	0	1,454	1,416	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	403	253	59.5%	0	0	403	253	0	0	0	0
New Hampshire	870	838	3.8%	0	0	870	838	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	13,348	12,833	4.0%	0	0	13,348	12,833	0	0	0	0
New Jersey	2,775	2,803	-1.0%	0	0	2,775	2,803	0	0	0	0
New York	3,706	3,480	6.5%	0	0	3,706	3,480	0	0	0	0
Pennsylvania	6,866	6,549	4.8%	0	0	6,866	6,549	0	0	0	0
East North Central	12,720	12,134	4.8%	2,325	2,265	10,395	9,868	0	0	0	0
Illinois	7,822	7,107	10.1%	0	0	7,822	7,107	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,893	2,814	2.8%	2,325	2,265	568	549	0	0	0	0
Ohio	1,167	1,405	-17.0%	0	0	1,167	1,405	0	0	0	0
Wisconsin	839	808	3.8%	0	0	839	808	0	0	0	0
West North Central	3,940	3,827	3.0%	3,513	3,413	427	415	0	0	0	0
Iowa	427	415	3.0%	0	0	427	415	0	0	0	0
Kansas	846	787	7.5%	846	787	0	0	0	0	0	0
Minnesota	910	997	-8.8%	910	997	0	0	0	0	0	0
Missouri	863	753	14.6%	863	753	0	0	0	0	0	0
Nebraska	895	876	2.2%	895	876	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16,479	15,614	5.5%	15,574	14,695	906	919	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	2,586	2,352	9.9%	2,586	2,352	0	0	0	0	0	0
Georgia	2,394	2,343	2.1%	2,394	2,343	0	0	0	0	0	0
Maryland	906	919	-1.5%	0	0	906	919	0	0	0	0
North Carolina	3,341	3,119	7.1%	3,341	3,119	0	0	0	0	0	0
South Carolina	4,690	4,444	5.5%	4,690	4,444	0	0	0	0	0	0
Virginia	2,563	2,436	5.2%	2,563	2,436	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	5,488	6,197	-11.4%	5,488	6,197	0	0	0	0	0	0
Alabama	3,167	3,484	-9.1%	3,167	3,484	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	611	586	4.3%	611	586	0	0	0	0	0	0
Tennessee	1,710	2,127	-19.6%	1,710	2,127	0	0	0	0	0	0
West South Central	5,764	5,387	7.0%	2,209	1,945	3,555	3,442	0	0	0	0
Arkansas	1,105	669	65.0%	1,105	669	0	0	0	0	0	0
Louisiana	1,105	1,276	-13.4%	1,105	1,276	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,555	3,442	3.3%	0	0	3,555	3,442	0	0	0	0
Mountain	2,793	2,683	4.1%	2,793	2,683	0	0	0	0	0	0
Arizona	2,793	2,683	4.1%	2,793	2,683	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	2,378	2,281	4.3%	2,378	2,281	0	0	0	0	0	0
California	1,583	1,526	3.7%	1,583	1,526	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	795	755	5.4%	795	755	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	65,638	63,462	3.4%	34,281	33,478	31,357	29,984	0	0	0	0

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

Table 1.9.B. Utility Scale Facility Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	5,504	5,433	1.3%	0	0	5,504	5,433	0	0	0	0
Connecticut	2,850	2,986	-4.6%	0	0	2,850	2,986	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	911	682	33.6%	0	0	911	682	0	0	0	0
New Hampshire	1,744	1,765	-1.2%	0	0	1,744	1,765	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	28,032	27,465	2.1%	0	0	28,032	27,465	0	0	0	0
New Jersey	5,913	5,950	-0.6%	0	0	5,913	5,950	0	0	0	0
New York	7,582	7,516	0.9%	0	0	7,582	7,516	0	0	0	0
Pennsylvania	14,537	13,998	3.9%	0	0	14,537	13,998	0	0	0	0
East North Central	26,897	26,408	1.9%	4,829	4,768	22,068	21,641	0	0	0	0
Illinois	16,657	15,761	5.7%	0	0	16,657	15,761	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	6,001	5,925	1.3%	4,829	4,768	1,172	1,157	0	0	0	0
Ohio	2,504	3,020	-17.1%	0	0	2,504	3,020	0	0	0	0
Wisconsin	1,735	1,702	2.0%	0	0	1,735	1,702	0	0	0	0
West North Central	8,093	8,246	-1.9%	7,214	7,413	879	833	0	0	0	0
Iowa	879	833	5.5%	0	0	879	833	0	0	0	0
Kansas	1,756	1,697	3.5%	1,756	1,697	0	0	0	0	0	0
Minnesota	1,807	2,211	-18.3%	1,807	2,211	0	0	0	0	0	0
Missouri	1,786	1,664	7.3%	1,786	1,664	0	0	0	0	0	0
Nebraska	1,866	1,842	1.3%	1,866	1,842	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	35,130	34,235	2.6%	32,947	31,988	2,183	2,247	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	5,334	5,086	4.9%	5,334	5,086	0	0	0	0	0	0
Georgia	5,435	5,323	2.1%	5,435	5,323	0	0	0	0	0	0
Maryland	2,183	2,247	-2.9%	0	0	2,183	2,247	0	0	0	0
North Carolina	7,201	7,019	2.6%	7,201	7,019	0	0	0	0	0	0
South Carolina	9,653	9,416	2.5%	9,653	9,416	0	0	0	0	0	0
Virginia	5,324	5,145	3.5%	5,324	5,145	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	11,896	13,672	-13.0%	11,896	13,672	0	0	0	0	0	0
Alabama	6,856	7,344	-6.7%	6,856	7,344	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,625	1,616	0.6%	1,625	1,616	0	0	0	0	0	0
Tennessee	3,415	4,712	-27.5%	3,415	4,712	0	0	0	0	0	0
West South Central	11,897	11,935	-0.3%	4,655	4,677	7,242	7,259	0	0	0	0
Arkansas	2,491	1,878	32.6%	2,491	1,878	0	0	0	0	0	0
Louisiana	2,164	2,798	-22.7%	2,164	2,798	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	7,242	7,259	-0.2%	0	0	7,242	7,259	0	0	0	0
Mountain	5,796	5,656	2.5%	5,796	5,656	0	0	0	0	0	0
Arizona	5,796	5,656	2.5%	5,796	5,656	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	4,929	4,681	5.3%	4,929	4,681	0	0	0	0	0	0
California	3,273	3,090	5.9%	3,273	3,090	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,656	1,591	4.1%	1,656	1,591	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	138,174	137,732	0.3%	72,266	72,854	65,908	64,878	0	0	0	0

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

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	795	546	45.5%	116	67	637	445	NM	NM	41	34
Connecticut	51	31	63.1%	NM	NM	47	29	0	0	0	0
Maine	354	285	24.1%	0	0	314	252	0	0	40	33
Massachusetts	105	59	77.5%	NM	NM	78	46	NM	NM	NM	NM
New Hampshire	143	87	65.1%	37	25	106	61	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	141	84	68.7%	49	27	93	57	0	0	0	0
Middle Atlantic	2,778	1,981	40.2%	1,892	1,564	878	412	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,392	1,873	27.7%	1,883	1,558	501	310	NM	NM	NM	NM
Pennsylvania	383	106	260.4%	NM	NM	373	100	0	0	0	0
East North Central	393	484	-18.8%	327	422	51	42	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
Indiana	25	27	-10.7%	25	27	0	0	0	0	0	0
Michigan	126	160	-21.3%	114	147	NM	NM	0	0	NM	NM
Ohio	39	39	0.9%	13	21	NM	18	0	0	0	0
Wisconsin	190	250	-23.9%	170	223	NM	NM	0	0	NM	NM
West North Central	799	840	-4.9%	780	820	NM	NM	0	0	2	1
Iowa	67	93	-28.0%	66	92	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	52	NM	NM	NM	NM	NM	0	0	2	1
Missouri	131	60	118.2%	131	60	0	0	0	0	0	0
Nebraska	93	115	-19.1%	93	115	0	0	0	0	0	0
North Dakota	168	197	-14.6%	168	197	0	0	0	0	0	0
South Dakota	294	323	-8.8%	294	323	0	0	0	0	0	0
South Atlantic	2,042	930	119.6%	1,669	793	316	87	NM	NM	55	49
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	380	216	75.5%	376	214	NM	NM	0	0	NM	NM
Maryland	258	51	410.7%	0	0	258	51	0	0	0	0
North Carolina	739	322	129.5%	730	317	NM	NM	NM	NM	NM	NM
South Carolina	324	169	92.1%	315	163	NM	NM	NM	NM	0	0
Virginia	172	61	183.5%	162	55	NM	NM	0	0	NM	NM
West Virginia	145	97	50.0%	62	28	32	22	0	0	51	46
East South Central	3,081	1,768	74.2%	3,080	1,767	NM	NM	0	0	0	0
Alabama	1,512	781	93.7%	1,512	781	0	0	0	0	0	0
Kentucky	408	279	46.3%	407	278	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,161	709	63.8%	1,161	709	0	0	0	0	0	0
West South Central	918	345	166.2%	796	284	122	61	0	0	0	0
Arkansas	522	182	186.6%	517	181	NM	NM	0	0	0	0
Louisiana	113	57	98.7%	0	0	113	57	0	0	0	0
Oklahoma	156	83	87.6%	156	83	0	0	0	0	0	0
Texas	127	23	457.5%	123	20	NM	NM	0	0	0	0
Mountain	2,139	2,582	-17.2%	2,064	2,491	75	91	NM	NM	0	0
Arizona	588	387	51.7%	588	387	0	0	0	0	0	0
Colorado	165	141	17.3%	148	119	NM	NM	NM	NM	0	0
Idaho	603	881	-31.6%	561	832	NM	49	0	0	0	0
Montana	596	873	-31.7%	584	858	NM	NM	0	0	0	0
Nevada	91	201	-54.8%	88	197	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	53	58	-9.7%	52	58	NM	NM	0	0	0	0
Wyoming	33	31	5.1%	32	30	NM	NM	0	0	0	0
Pacific Contiguous	11,186	13,141	-14.9%	11,068	13,047	117	94	NM	NM	0	0
California	1,528	899	70.0%	1,465	864	62	NM	NM	NM	0	0
Oregon	3,336	4,005	-16.7%	3,311	3,976	NM	NM	0	0	0	0
Washington	6,322	8,238	-23.3%	6,292	8,207	NM	31	0	0	0	0
Pacific Noncontiguous	127	152	-16.5%	122	146	0	0	0	0	NM	NM
Alaska	121	144	-16.1%	121	144	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
U.S. Total	24,257	22,770	6.5%	21,915	21,402	2,214	1,252	NM	NM	124	113

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	1,632	1,243	31.2%	250	160	1,299	1,007	NM	NM	81	76
Connecticut	108	71	51.4%	NM	NM	99	66	0	0	0	0
Maine	724	634	14.1%	0	0	644	559	0	0	79	75
Massachusetts	227	145	56.9%	60	30	164	113	NM	NM	NM	NM
New Hampshire	273	201	36.1%	76	61	196	140	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	299	192	55.5%	105	63	194	129	0	0	0	0
Middle Atlantic	5,694	4,379	30.0%	3,912	3,335	1,766	1,032	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	4,962	4,073	21.8%	3,892	3,322	1,054	739	NM	NM	NM	NM
Pennsylvania	722	302	139.2%	NM	NM	703	289	0	0	0	0
East North Central	832	973	-14.6%	699	843	103	91	NM	NM	NM	NM
Illinois	29	18	60.5%	NM	NM	16	10	NM	NM	0	0
Indiana	68	60	13.0%	68	60	0	0	0	0	0	0
Michigan	252	321	-21.4%	229	295	NM	NM	0	0	NM	NM
Ohio	100	74	34.8%	48	34	53	41	0	0	0	0
Wisconsin	382	500	-23.5%	343	447	NM	NM	0	0	NM	NM
West North Central	1,951	1,712	14.0%	1,911	1,671	NM	39	0	0	5	2
Iowa	134	184	-27.2%	133	183	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	89	105	-15.5%	55	68	NM	NM	0	0	5	2
Missouri	464	111	319.5%	464	111	0	0	0	0	0	0
Nebraska	187	231	-19.3%	187	231	0	0	0	0	0	0
North Dakota	331	381	-13.1%	331	381	0	0	0	0	0	0
South Dakota	741	697	6.3%	741	697	0	0	0	0	0	0
South Atlantic	4,709	2,201	114.0%	4,008	1,850	584	243	NM	NM	114	106
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	52	35	48.6%	52	35	0	0	0	0	0	0
Georgia	954	484	97.1%	945	478	NM	NM	0	0	NM	NM
Maryland	471	161	192.5%	0	0	471	161	0	0	0	0
North Carolina	1,681	760	121.1%	1,661	748	NM	NM	NM	NM	NM	NM
South Carolina	886	406	118.4%	866	393	NM	NM	NM	NM	0	0
Virginia	383	143	167.8%	363	131	NM	NM	0	0	NM	NM
West Virginia	283	212	33.3%	120	65	58	48	0	0	105	99
East South Central	6,419	4,230	51.8%	6,417	4,228	NM	NM	0	0	0	0
Alabama	3,241	1,964	65.0%	3,241	1,964	0	0	0	0	0	0
Kentucky	775	627	23.6%	773	626	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2,402	1,639	46.6%	2,402	1,639	0	0	0	0	0	0
West South Central	2,130	833	155.7%	1,880	684	251	149	0	0	0	0
Arkansas	1,012	418	142.1%	1,002	415	NM	NM	0	0	0	0
Louisiana	232	141	65.1%	0	0	232	141	0	0	0	0
Oklahoma	575	180	218.8%	575	180	0	0	0	0	0	0
Texas	312	94	230.5%	303	89	NM	NM	0	0	0	0
Mountain	4,402	5,262	-16.3%	4,253	5,078	148	183	NM	NM	0	0
Arizona	1,205	924	30.3%	1,205	924	0	0	0	0	0	0
Colorado	334	303	10.3%	299	260	NM	NM	NM	NM	0	0
Idaho	1,232	1,614	-23.7%	1,151	1,515	81	99	0	0	0	0
Montana	1,239	1,746	-29.1%	1,215	1,715	NM	NM	0	0	0	0
Nevada	190	468	-59.3%	185	461	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	106	119	-11.1%	105	118	NM	NM	0	0	0	0
Wyoming	74	66	12.4%	72	64	NM	NM	0	0	0	0
Pacific Contiguous	21,756	26,250	-17.1%	21,539	26,055	215	194	NM	NM	0	0
California	2,620	1,764	48.5%	2,508	1,692	111	72	NM	NM	0	0
Oregon	6,506	8,003	-18.7%	6,457	7,945	50	58	0	0	0	0
Washington	12,629	16,483	-23.4%	12,574	16,419	55	65	0	0	0	0
Pacific Noncontiguous	267	317	-15.6%	258	306	1	0	0	0	NM	NM
Alaska	255	301	-15.4%	255	301	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	1	0	0	0	NM	NM
U.S. Total	49,792	47,401	5.0%	45,127	44,210	4,404	2,941	NM	NM	251	243

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

Table 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	951	882	7.9%	88	83	752	646	13	15	98	138
Connecticut	71	57	22.8%	0	0	71	55	0	NM	0	0
Maine	426	411	3.8%	0	0	322	266	6	7	98	138
Massachusetts	175	147	19.0%	7	6	163	137	NM	NM	NM	NM
New Hampshire	181	166	8.7%	29	25	150	139	NM	NM	0	0
Rhode Island	19	20	-3.6%	0	0	18	19	NM	NM	0	0
Vermont	80	81	-1.1%	52	52	28	29	NM	NM	0	0
Middle Atlantic	1,386	1,156	19.9%	10	6	1,240	1,028	55	54	81	68
New Jersey	149	123	21.6%	10	6	110	91	29	26	NM	NM
New York	643	529	21.5%	0	0	596	492	15	17	31	21
Pennsylvania	594	504	17.8%	0	0	534	445	11	12	49	48
East North Central	2,991	2,495	19.9%	359	303	2,479	2,032	18	17	136	144
Illinois	1,192	975	22.2%	NM	NM	1,190	974	NM	NM	0	0
Indiana	624	455	37.0%	26	22	592	427	NM	NM	5	5
Michigan	673	614	9.5%	200	166	407	378	11	11	55	59
Ohio	206	178	15.3%	NM	NM	175	144	NM	NM	27	32
Wisconsin	297	272	9.2%	128	110	114	109	4	4	50	48
West North Central	5,577	4,489	24.2%	1,905	1,453	3,617	2,978	14	12	41	45
Iowa	1,912	1,600	19.5%	1,192	919	712	673	NM	NM	5	6
Kansas	1,309	831	57.6%	89	68	1,219	761	0	0	NM	NM
Minnesota	1,113	1,001	11.2%	283	198	792	762	NM	4	32	36
Missouri	130	97	33.9%	4	4	121	89	5	4	NM	NM
Nebraska	308	288	6.8%	24	25	282	262	NM	NM	0	0
North Dakota	556	480	15.9%	236	185	317	293	0	0	NM	NM
South Dakota	249	192	29.8%	76	54	173	138	0	0	0	0
South Atlantic	2,017	1,728	16.7%	216	145	986	804	37	34	778	745
Delaware	11	10	14.8%	NM	NM	9	8	NM	NM	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	375	385	-2.7%	41	13	185	228	NM	NM	145	141
Georgia	389	318	22.3%	6	NM	93	57	NM	NM	290	258
Maryland	106	88	20.3%	NM	NM	96	75	NM	NM	7	10
North Carolina	432	295	46.5%	16	NM	326	180	15	11	75	103
South Carolina	188	185	1.8%	36	35	27	28	0	0	125	121
Virginia	352	311	13.0%	116	94	87	91	14	15	135	111
West Virginia	165	137	20.1%	0	0	165	137	0	0	0	0
East South Central	527	503	4.8%	8	7	41	40	NM	NM	477	455
Alabama	268	254	5.7%	NM	NM	21	23	0	0	246	230
Kentucky	37	39	-4.7%	7	6	NM	NM	0	0	30	32
Mississippi	127	118	7.7%	0	0	NM	NM	0	0	126	117
Tennessee	94	92	2.8%	0	0	19	16	NM	NM	76	75
West South Central	7,478	4,915	52.1%	172	153	6,870	4,320	NM	NM	429	435
Arkansas	135	134	1.0%	0	0	12	9	NM	NM	123	124
Louisiana	213	219	-2.4%	0	0	7	6	0	0	207	212
Oklahoma	1,789	1,105	61.8%	148	118	1,617	963	0	0	24	24
Texas	5,341	3,458	54.4%	24	36	5,235	3,342	NM	NM	75	75
Mountain	3,451	2,457	40.5%	392	288	3,023	2,132	9	6	27	32
Arizona	322	273	18.2%	40	37	281	235	NM	NM	0	0
Colorado	1,043	657	58.7%	9	13	1,032	643	NM	NM	NM	NM
Idaho	300	272	10.3%	17	13	257	229	0	0	26	30
Montana	258	168	53.2%	28	21	229	146	0	0	NM	NM
Nevada	484	415	16.5%	NM	0	475	412	6	NM	NM	NM
New Mexico	382	190	101.0%	19	10	362	180	NM	NM	0	0
Utah	109	87	25.0%	23	20	86	67	0	0	0	0
Wyoming	553	394	40.3%	254	174	299	220	0	0	0	0
Pacific Contiguous	4,563	4,227	8.0%	602	532	3,680	3,423	84	82	197	190
California	3,286	3,064	7.2%	140	151	3,010	2,782	81	79	55	53
Oregon	488	536	-9.0%	58	81	392	407	NM	NM	35	45
Washington	790	626	26.1%	403	299	278	234	NM	NM	107	92
Pacific Noncontiguous	105	107	-1.7%	20	14	61	62	14	20	10	10
Alaska	21	18	15.5%	11	9	NM	4	4	4	NM	NM
Hawaii	84	89	-5.2%	9	6	56	58	10	16	9	9
U.S. Total	29,047	22,959	26.5%	3,771	2,984	22,750	17,466	251	247	2,276	2,262

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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. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	1,932	1,859	3.9%	179	170	1,523	1,367	27	32	203	290
Connecticut	150	127	18.0%	0	0	150	123	0	4	0	0
Maine	865	872	-0.8%	0	0	649	568	13	15	203	289
Massachusetts	334	308	8.6%	14	13	313	289	NM	NM	NM	NM
New Hampshire	382	349	9.3%	60	57	317	287	5	6	0	0
Rhode Island	39	42	-5.1%	0	0	38	40	NM	NM	0	0
Vermont	161	161	0.0%	105	100	55	60	NM	NM	0	0
Middle Atlantic	2,842	2,589	9.8%	15	11	2,560	2,327	111	109	156	143
New Jersey	280	249	12.8%	15	11	211	189	53	49	NM	NM
New York	1,334	1,224	9.0%	0	0	1,248	1,145	33	36	53	43
Pennsylvania	1,228	1,117	9.9%	0	0	1,100	993	25	25	103	100
East North Central	6,266	5,245	19.5%	731	661	5,221	4,245	35	37	279	302
Illinois	2,512	2,035	23.4%	NM	NM	2,508	2,032	NM	NM	0	0
Indiana	1,327	910	45.7%	55	49	1,259	848	NM	3	10	10
Michigan	1,400	1,348	3.8%	414	374	853	824	22	24	111	126
Ohio	436	381	14.5%	NM	5	374	311	NM	NM	55	64
Wisconsin	592	571	3.7%	253	230	228	231	9	8	102	101
West North Central	10,649	9,720	9.6%	3,539	3,185	6,998	6,411	29	25	83	99
Iowa	3,671	3,437	6.8%	2,264	2,005	1,390	1,411	6	5	12	16
Kansas	2,377	1,758	35.2%	159	146	2,216	1,611	0	0	NM	NM
Minnesota	2,163	2,101	3.0%	476	411	1,613	1,604	9	9	64	77
Missouri	242	220	10.3%	8	8	223	203	11	8	NM	NM
Nebraska	595	622	-4.5%	49	54	543	565	3	NM	0	0
North Dakota	1,123	1,147	-2.1%	432	435	687	709	0	0	4	NM
South Dakota	479	434	10.2%	152	126	327	309	0	0	0	0
South Atlantic	4,068	3,689	10.3%	431	323	1,900	1,647	72	71	1,664	1,648
Delaware	21	20	7.7%	NM	NM	17	15	NM	NM	NM	NM
District of Columbia	0	0	–	0	0	0	0	0	0	0	0
Florida	773	830	-6.9%	75	32	381	474	6	5	310	318
Georgia	804	706	13.9%	10	NM	177	113	NM	5	616	587
Maryland	213	188	13.8%	NM	NM	193	157	6	6	13	23
North Carolina	783	588	33.1%	28	NM	566	347	27	22	161	219
South Carolina	407	389	4.7%	71	75	56	59	0	0	280	255
Virginia	735	673	9.2%	244	212	179	185	29	32	282	243
West Virginia	331	296	12.1%	0	0	331	296	0	0	0	0
East South Central	1,077	1,065	1.1%	16	15	80	82	NM	NM	981	968
Alabama	542	544	-0.3%	NM	NM	42	46	0	0	500	498
Kentucky	81	84	-2.9%	15	14	NM	NM	0	0	66	69
Mississippi	260	244	6.6%	0	0	NM	2	0	0	258	242
Tennessee	193	194	-0.1%	0	0	35	34	NM	NM	158	160
West South Central	13,935	9,574	45.6%	299	300	12,743	8,358	14	13	879	903
Arkansas	261	272	-4.0%	0	0	25	20	NM	NM	236	252
Louisiana	452	455	-0.5%	0	0	14	14	0	0	438	441
Oklahoma	3,240	2,187	48.2%	252	230	2,938	1,904	0	0	50	52
Texas	9,982	6,661	49.9%	47	70	9,766	6,420	13	12	156	159
Mountain	6,425	5,009	28.3%	730	601	5,619	4,331	16	10	60	68
Arizona	598	470	27.2%	71	65	523	402	NM	NM	0	0
Colorado	1,857	1,446	28.4%	18	27	1,836	1,417	NM	NM	NM	NM
Idaho	589	512	14.9%	33	23	499	425	0	0	58	65
Montana	455	421	8.0%	48	50	405	369	0	0	NM	NM
Nevada	935	807	15.8%	NM	0	920	802	10	NM	NM	NM
New Mexico	724	348	108.4%	27	16	697	331	NM	NM	0	0
Utah	220	173	27.5%	46	43	174	129	0	0	0	0
Wyoming	1,047	833	25.7%	483	377	564	457	0	0	0	0
Pacific Contiguous	8,600	7,652	12.4%	1,091	898	6,946	6,183	172	176	390	395
California	6,298	5,677	10.9%	281	274	5,740	5,122	166	169	111	112
Oregon	916	892	2.6%	110	120	731	671	NM	3	72	97
Washington	1,386	1,083	28.0%	700	504	475	389	3	3	207	186
Pacific Noncontiguous	204	206	-0.7%	38	31	111	113	35	41	21	21
Alaska	42	38	10.1%	22	19	10	9	8	9	NM	NM
Hawaii	162	167	-3.2%	16	12	101	104	26	32	19	19
U.S. Total	55,998	46,608	20.1%	7,070	6,195	43,701	35,064	511	514	4,716	4,835

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

Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	-34	-30	11.1%	0	0	-34	-30	0	0	0	0
Connecticut	1	0	NM	0	0	1	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-34	-30	13.9%	0	0	-34	-30	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	-75	-87	-13.7%	-42	-48	-33	-39	0	0	0	0
New Jersey	-14	-18	-21.5%	-14	-18	0	0	0	0	0	0
New York	-28	-30	-5.5%	-28	-30	0	0	0	0	0	0
Pennsylvania	-33	-39	-16.5%	0	0	-33	-39	0	0	0	0
East North Central	-27	-31	-13.1%	-27	-31	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	-27	-31	-13.1%	-27	-31	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	29	5	491.1%	29	5	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	29	5	491.1%	29	5	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	-126	-173	-27.3%	-126	-173	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	-4	-66	-94.6%	-4	-66	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	-100.0%	0	0	0	0	0	0	0	0
South Carolina	-67	-50	35.6%	-67	-50	0	0	0	0	0	0
Virginia	-55	-57	-4.2%	-55	-57	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-52	-22	140.3%	-52	-22	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	-52	-22	140.3%	-52	-22	0	0	0	0	0	0
West South Central	2	-4	-146.3%	2	-4	0	0	0	0	0	0
Arkansas	0	1	-79.6%	0	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	-5	-134.4%	2	-5	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-27	-30	-11.2%	-27	-30	0	0	0	0	0	0
Arizona	-2	-6	-73.5%	-2	-6	0	0	0	0	0	0
Colorado	-25	-24	3.6%	-25	-24	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	-89	-84	5.8%	-89	-84	0	0	0	0	0	0
California	-89	-87	2.2%	-89	-87	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	3	-119.3%	0	3	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	-399	-456	-12.6%	-332	-387	-66	-69	0	0	0	0

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	-73	-67	8.4%	0	0	-73	-67	0	0	0	0
Connecticut	4	2	114.6%	0	0	4	2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-77	-69	11.5%	0	0	-77	-69	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	-179	-171	4.5%	-103	-77	-75	-94	0	0	0	0
New Jersey	-32	-34	-7.1%	-32	-34	0	0	0	0	0	0
New York	-72	-43	66.5%	-72	-43	0	0	0	0	0	0
Pennsylvania	-75	-94	-19.8%	0	0	-75	-94	0	0	0	0
East North Central	-66	-74	-11.1%	-66	-74	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	-66	-74	-11.1%	-66	-74	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	133	9	NM	133	9	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	133	9	NM	133	9	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	-198	-419	-52.7%	-198	-419	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	43	-150	-129.1%	43	-150	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	-100.0%	0	0	0	0	0	0	0	0
South Carolina	-96	-139	-31.3%	-96	-139	0	0	0	0	0	0
Virginia	-146	-130	12.3%	-146	-130	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-97	-53	83.2%	-97	-53	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	-97	-53	83.2%	-97	-53	0	0	0	0	0	0
West South Central	11	-6	-275.2%	11	-6	0	0	0	0	0	0
Arkansas	13	1	935.2%	13	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-2	-7	-70.0%	-2	-7	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-53	-62	-14.4%	-53	-62	0	0	0	0	0	0
Arizona	-2	-9	-75.6%	-2	-9	0	0	0	0	0	0
Colorado	-51	-53	-4.0%	-51	-53	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	-188	-163	15.2%	-188	-163	0	0	0	0	0	0
California	-187	-172	8.8%	-187	-172	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	9	-113.1%	-1	9	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	-710	-1,007	-29.5%	-562	-846	-148	-161	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	149	134	10.9%	0	0	133	117	6	8	10	9
Connecticut	45	44	2.3%	0	0	45	43	0	NM	0	0
Maine	31	25	22.9%	0	0	15	10	6	6	10	9
Massachusetts	69	61	12.6%	0	0	69	61	0	0	0	0
New Hampshire	4	4	7.4%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	179	163	10.1%	0	0	147	130	33	33	0	0
New Jersey	42	35	19.4%	0	0	29	23	12	12	0	0
New York	65	65	0.5%	0	0	50	50	15	14	0	0
Pennsylvania	73	63	14.7%	0	0	67	57	6	7	0	0
East North Central	82	74	11.1%	3	3	14	14	12	11	53	46
Illinois	19	18	6.0%	0	0	0	0	0	0	19	18
Indiana	29	23	23.3%	0	0	0	0	NM	NM	27	22
Michigan	26	25	3.1%	NM	NM	12	12	11	10	2	2
Ohio	2	NM	NM	0	0	NM	NM	0	0	1	1
Wisconsin	6	5	16.7%	2	1	0	0	0	0	NM	NM
West North Central	33	36	-7.2%	15	19	11	10	NM	NM	NM	4
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	NM	NM	0	0	0	0	0	0	NM	NM
Minnesota	28	26	6.6%	10	10	11	10	NM	NM	NM	4
Missouri	3	7	-62.2%	3	7	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	323	282	14.7%	22	0	162	168	13	13	127	101
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	237	200	18.2%	22	0	102	103	0	0	113	98
Georgia	12	0	NM	0	0	0	0	0	0	12	0
Maryland	17	21	-19.8%	0	0	17	21	NM	NM	0	0
North Carolina	26	24	7.7%	0	0	26	24	0	0	0	0
South Carolina	2	3	-30.8%	0	0	NM	NM	0	0	2	3
Virginia	29	32	-9.4%	0	0	16	19	13	13	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8	8	2.3%	6	NM	0	0	0	0	2	2
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	6	NM	NM	6	NM	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	2	2	-1.4%	0	0	0	0	0	0	2	2
West South Central	87	88	-1.3%	0	0	NM	NM	0	0	85	87
Arkansas	1	1	59.7%	0	0	0	0	0	0	1	1
Louisiana	31	33	-6.1%	0	0	0	0	0	0	31	33
Oklahoma	NM	NM	NM	0	0	1	0	0	0	NM	NM
Texas	53	53	-0.9%	0	0	NM	NM	0	0	52	52
Mountain	44	30	47.9%	NM	NM	30	26	0	0	13	NM
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	29	25	15.0%	0	0	29	25	0	0	0	0
Nevada	NM	NM	NM	NM	NM	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	11	NM	NM	0	0	NM	NM	0	0	10	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	66	80	-17.4%	NM	NM	18	25	0	0	48	55
California	57	66	-13.7%	NM	NM	9	17	0	0	48	49
Oregon	4	3	7.2%	0	0	4	3	0	0	0	0
Washington	6	11	-48.0%	0	0	6	5	0	0	0	5
Pacific Noncontiguous	10	17	-38.6%	NM	NM	0	1	10	15	0	0
Alaska	NM	NM	NM	NM	NM	0	0	0	0	0	0
Hawaii	10	16	-37.6%	0	0	0	1	10	15	0	0
U.S. Total	982	910	7.8%	47	30	516	492	76	83	342	306

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

Table 1.13.B. Utility Scale Facility Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	313	297	5.4%	0	0	279	261	14	17	20	20
Connecticut	97	95	2.2%	0	0	97	92	0	NM	0	0
Maine	62	55	12.0%	0	0	28	22	14	13	20	20
Massachusetts	145	138	5.1%	0	0	145	138	0	0	0	0
New Hampshire	8	8	2.7%	0	0	8	8	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	379	364	4.2%	0	0	308	295	71	69	0	0
New Jersey	90	79	12.7%	0	0	65	56	25	24	0	0
New York	137	141	-2.8%	0	0	105	111	32	31	0	0
Pennsylvania	152	143	6.4%	0	0	138	129	14	14	0	0
East North Central	169	157	7.6%	6	6	28	29	24	25	111	97
Illinois	41	39	5.8%	0	0	1	0	0	0	41	39
Indiana	59	49	20.1%	0	0	0	0	NM	NM	56	46
Michigan	53	55	-4.0%	3	3	24	26	21	22	4	4
Ohio	5	4	10.3%	0	0	3	NM	0	0	2	1
Wisconsin	12	10	15.8%	3	3	0	0	0	0	9	7
West North Central	72	74	-3.0%	34	38	23	22	5	5	9	9
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	NM	NM	0	0	0	0	0	0	NM	NM
Minnesota	61	56	8.8%	24	20	23	22	5	5	9	8
Missouri	5	13	-58.8%	5	13	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	5	5	3.1%	5	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	690	623	10.7%	45	0	350	362	28	29	268	233
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	502	447	12.3%	45	0	216	221	0	0	242	227
Georgia	22	0	NM	0	0	0	0	0	0	22	0
Maryland	42	45	-6.5%	0	0	42	45	NM	NM	0	0
North Carolina	55	51	7.3%	0	0	55	51	0	0	0	0
South Carolina	5	7	-29.1%	0	0	NM	NM	0	0	4	6
Virginia	63	72	-12.7%	0	0	36	44	27	29	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	14	15	-5.8%	10	11	0	0	0	0	4	4
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	10	11	-8.9%	10	11	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	3	3	1.0%	0	0	0	0	0	0	3	3
West South Central	188	183	2.8%	0	0	NM	NM	0	0	185	181
Arkansas	1	3	-41.9%	0	0	0	0	0	0	1	3
Louisiana	65	70	-6.8%	0	0	0	0	0	0	65	70
Oklahoma	4	NM	NM	0	0	1	0	0	0	NM	NM
Texas	118	109	8.8%	0	0	NM	NM	0	0	116	106
Mountain	90	61	48.5%	3	NM	59	53	0	0	28	6
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	7	6	3.1%	0	0	NM	NM	0	0	6	6
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	58	51	13.1%	0	0	58	51	0	0	0	0
Nevada	3	NM	NM	3	NM	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	23	NM	NM	0	0	NM	NM	0	0	22	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	159	167	-4.9%	NM	NM	40	51	0	0	118	116
California	128	137	-6.5%	NM	NM	21	32	0	0	107	104
Oregon	7	7	2.7%	0	0	7	7	0	0	0	0
Washington	24	23	2.3%	0	0	12	11	0	0	12	12
Pacific Noncontiguous	27	33	-17.2%	NM	NM	2	1	25	31	0	0
Alaska	NM	NM	NM	NM	NM	0	0	0	0	0	0
Hawaii	27	32	-16.8%	0	0	2	1	25	31	0	0
U.S. Total	2,101	1,974	6.5%	97	58	1,092	1,076	167	175	745	665

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. Utility Scale Facility Net Generation from Wind by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	259	200	29.7%	26	24	229	173	NM	NM	NM	NM
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	157	111	41.2%	0	0	157	111	0	0	0	0
Massachusetts	22	17	28.2%	NM	5	13	10	NM	NM	NM	NM
New Hampshire	48	41	18.6%	0	0	48	41	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Vermont	31	30	3.1%	20	19	11	11	0	0	0	0
Middle Atlantic	824	655	25.8%	0	0	823	655	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	435	340	28.1%	0	0	435	340	0	0	NM	NM
Pennsylvania	387	313	23.4%	0	0	387	313	0	0	0	0
East North Central	2,498	1,998	25.0%	304	258	2,187	1,736	NM	NM	NM	NM
Illinois	1,145	928	23.4%	NM	NM	1,143	926	NM	NM	0	0
Indiana	572	413	38.3%	0	0	572	413	NM	NM	0	0
Michigan	483	406	19.0%	199	166	284	240	0	0	0	0
Ohio	139	109	28.1%	NM	NM	132	105	NM	0	NM	NM
Wisconsin	159	142	11.7%	102	90	56	51	0	0	NM	NM
West North Central	5,396	4,313	25.1%	1,863	1,416	3,530	2,895	NM	NM	0	0
Iowa	1,893	1,582	19.7%	1,190	917	703	664	NM	NM	0	0
Kansas	1,303	825	57.9%	89	68	1,214	757	0	0	0	0
Minnesota	980	866	13.0%	254	170	723	694	NM	NM	0	0
Missouri	118	87	35.7%	0	0	118	87	0	0	0	0
Nebraska	300	284	5.9%	18	22	282	262	0	0	0	0
North Dakota	554	478	15.9%	236	185	317	293	0	0	0	0
South Dakota	249	192	29.8%	76	54	173	138	0	0	0	0
South Atlantic	225	177	27.4%	0	0	225	177	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	61	40	52.4%	0	0	61	40	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	164	137	20.1%	0	0	164	137	0	0	0	0
East South Central	4	4	20.7%	0	0	4	4	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	4	4	20.7%	0	0	4	4	0	0	0	0
West South Central	6,906	4,352	58.7%	171	137	6,732	4,212	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,763	1,080	63.2%	147	118	1,616	962	0	0	0	0
Texas	5,143	3,272	57.2%	24	19	5,116	3,250	NM	NM	0	0
Mountain	2,464	1,652	49.1%	307	221	2,156	1,430	NM	NM	NM	NM
Arizona	37	34	8.9%	0	0	37	34	0	0	0	0
Colorado	999	627	59.3%	9	13	990	614	0	0	NM	NM
Idaho	250	218	14.7%	17	12	233	206	0	0	0	0
Montana	257	167	53.5%	28	21	229	146	0	0	0	0
Nevada	15	27	-41.9%	0	0	15	27	0	0	0	0
New Mexico	324	144	125.3%	0	0	324	144	NM	NM	0	0
Utah	28	40	-31.1%	0	0	28	40	0	0	0	0
Wyoming	553	394	40.3%	254	174	299	220	0	0	0	0
Pacific Contiguous	1,585	1,556	1.8%	428	378	1,155	1,177	NM	NM	NM	NM
California	564	633	-10.9%	13	34	551	598	NM	NM	NM	NM
Oregon	389	431	-9.7%	51	76	338	355	0	0	0	0
Washington	632	492	28.3%	364	268	267	224	0	0	0	0
Pacific Noncontiguous	52	53	-1.0%	11	9	41	44	0	0	0	0
Alaska	16	13	22.8%	11	9	NM	4	0	0	0	0
Hawaii	36	40	-8.9%	0	0	36	40	0	0	0	0
U.S. Total	20,214	14,959	35.1%	3,111	2,443	17,084	12,502	12	10	NM	NM

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

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

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	521	441	18.3%	52	53	462	381	NM	NM	NM	NM
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	319	242	31.5%	0	0	319	242	0	0	0	0
Massachusetts	42	40	6.4%	11	11	25	24	NM	NM	NM	NM
New Hampshire	95	89	7.0%	0	0	95	89	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Vermont	62	67	-7.6%	40	42	21	25	0	0	0	0
Middle Atlantic	1,711	1,527	12.1%	0	0	1,711	1,527	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	912	824	10.8%	0	0	911	823	0	0	NM	NM
Pennsylvania	795	700	13.6%	0	0	795	700	0	0	0	0
East North Central	5,244	4,197	25.0%	612	568	4,619	3,620	NM	NM	12	NM
Illinois	2,413	1,932	24.9%	NM	NM	2,409	1,928	NM	NM	0	0
Indiana	1,228	824	49.0%	0	0	1,227	824	NM	NM	0	0
Michigan	1,003	907	10.5%	413	374	590	533	0	0	0	0
Ohio	299	235	27.3%	NM	NM	285	227	NM	0	10	NM
Wisconsin	302	299	1.1%	193	189	107	108	0	0	NM	NM
West North Central	10,277	9,345	10.0%	3,452	3,107	6,819	6,232	NM	NM	0	0
Iowa	3,630	3,393	7.0%	2,260	2,001	1,370	1,392	NM	NM	0	0
Kansas	2,364	1,746	35.4%	159	146	2,205	1,601	0	0	0	0
Minnesota	1,890	1,817	4.0%	414	353	1,471	1,459	NM	NM	0	0
Missouri	216	197	9.6%	0	0	216	197	0	0	0	0
Nebraska	579	612	-5.4%	36	47	543	565	0	0	0	0
North Dakota	1,119	1,144	-2.2%	432	435	687	709	0	0	0	0
South Dakota	479	434	10.2%	152	126	327	309	0	0	0	0
South Atlantic	449	381	17.9%	0	0	448	380	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	118	85	38.1%	0	0	118	85	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	331	295	12.1%	0	0	331	295	0	0	0	0
East South Central	9	9	1.1%	0	0	9	9	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	9	9	1.1%	0	0	9	9	0	0	0	0
West South Central	12,793	8,433	51.7%	298	270	12,489	8,158	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	3,186	2,132	49.4%	251	230	2,935	1,902	0	0	0	0
Texas	9,607	6,301	52.5%	47	40	9,554	6,256	NM	NM	0	0
Mountain	4,572	3,479	31.4%	580	475	3,992	3,004	NM	NM	NM	NM
Arizona	79	50	58.0%	0	0	79	50	0	0	0	0
Colorado	1,780	1,390	28.0%	18	27	1,761	1,363	0	0	NM	NM
Idaho	481	397	21.4%	31	21	450	376	0	0	0	0
Montana	453	419	8.1%	48	50	405	369	0	0	0	0
Nevada	36	52	-29.4%	0	0	36	52	0	0	0	0
New Mexico	629	267	135.3%	0	0	628	267	NM	NM	0	0
Utah	67	71	-5.3%	0	0	67	71	0	0	0	0
Wyoming	1,047	833	25.7%	483	377	564	457	0	0	0	0
Pacific Contiguous	3,056	2,318	31.8%	746	580	2,309	1,738	NM	NM	NM	NM
California	1,272	852	49.2%	33	41	1,237	810	NM	NM	NM	NM
Oregon	714	669	6.8%	96	109	619	560	0	0	0	0
Washington	1,071	798	34.2%	617	429	453	368	0	0	0	0
Pacific Noncontiguous	91	93	-1.7%	22	19	69	74	0	0	0	0
Alaska	32	28	15.0%	22	19	10	9	0	0	0	0
Hawaii	59	65	-8.8%	0	0	59	65	0	0	0	0
U.S. Total	38,725	30,221	28.1%	5,762	5,071	32,925	25,122	23	19	15	9

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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 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	626	632	-1.0%	60	58	459	425	9	12	98	138
Connecticut	69	56	23.0%	0	0	69	54	0	NM	0	0
Maine	270	300	-10.0%	0	0	166	155	6	7	98	138
Massachusetts	94	86	9.3%	0	0	94	86	NM	NM	0	0
New Hampshire	133	126	5.4%	29	25	102	98	NM	NM	0	0
Rhode Island	16	18	-8.3%	0	0	16	18	0	0	0	0
Vermont	44	47	-5.7%	31	33	NM	13	NM	NM	0	0
Middle Atlantic	476	437	8.8%	0	0	356	327	40	42	79	67
New Jersey	77	68	12.0%	0	0	61	54	15	15	0	0
New York	199	183	8.6%	0	0	153	146	15	16	31	20
Pennsylvania	200	186	7.8%	0	0	142	127	10	11	48	47
East North Central	457	474	-3.6%	50	43	261	275	16	16	130	140
Illinois	42	44	-3.0%	0	0	42	44	0	0	0	0
Indiana	30	29	3.7%	23	22	NM	NM	NM	NM	5	5
Michigan	188	208	-9.5%	0	0	123	138	11	11	55	59
Ohio	59	65	-8.5%	NM	NM	38	35	0	0	21	29
Wisconsin	138	129	6.5%	27	20	58	58	4	4	49	47
West North Central	178	174	2.4%	42	37	84	82	11	10	41	45
Iowa	19	19	2.0%	NM	2	9	8	NM	NM	5	6
Kansas	6	5	9.6%	0	0	5	5	0	0	NM	NM
Minnesota	132	134	-1.0%	30	28	68	68	NM	NM	32	36
Missouri	11	10	13.6%	4	4	NM	2	5	4	NM	NM
Nebraska	8	5	62.1%	6	3	0	0	NM	NM	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,453	1,418	2.4%	182	137	468	509	25	27	778	745
Delaware	6	5	3.2%	0	0	5	4	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	356	375	-5.0%	30	8	177	223	NM	NM	145	141
Georgia	345	308	11.8%	0	0	55	49	NM	NM	290	258
Maryland	33	40	-17.6%	0	0	24	28	NM	NM	7	10
North Carolina	173	193	-10.4%	0	0	93	85	5	5	75	103
South Carolina	188	184	1.8%	36	35	27	28	0	0	125	121
Virginia	352	311	13.0%	116	94	87	91	14	15	135	111
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	514	492	4.5%	8	7	29	30	0	0	477	455
Alabama	268	254	5.7%	NM	NM	21	23	0	0	246	230
Kentucky	37	39	-4.7%	7	6	NM	NM	0	0	30	32
Mississippi	127	118	7.7%	0	0	NM	NM	0	0	126	117
Tennessee	82	81	0.8%	0	0	6	6	0	0	76	75
West South Central	514	540	-4.9%	0	16	81	85	NM	NM	429	435
Arkansas	133	134	-0.6%	0	0	10	9	NM	NM	123	124
Louisiana	213	219	-2.4%	0	0	7	6	0	0	207	212
Oklahoma	26	25	0.4%	0	0	NM	NM	0	0	24	24
Texas	142	162	-12.6%	0	16	64	68	NM	NM	75	75
Mountain	79	84	-6.4%	NM	2	51	51	0	0	26	31
Arizona	16	18	-11.5%	0	1	16	16	0	0	0	0
Colorado	12	11	2.6%	0	0	12	11	0	0	0	0
Idaho	42	46	-8.8%	NM	NM	16	15	0	0	26	30
Montana	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	5	6.2%	0	0	6	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	743	735	1.2%	64	53	410	419	73	75	196	189
California	509	515	-1.1%	20	17	366	375	70	72	53	52
Oregon	76	86	-11.7%	5	5	34	34	NM	NM	35	45
Washington	158	134	18.2%	39	31	10	10	NM	NM	107	92
Pacific Noncontiguous	29	34	-15.8%	5	4	0	0	14	20	10	10
Alaska	5	5	-3.5%	0	0	0	0	4	4	NM	NM
Hawaii	24	29	-17.9%	5	4	0	0	10	16	9	9
U.S. Total	5,069	5,021	1.0%	411	356	2,200	2,203	191	206	2,266	2,256

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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 1.15.B. Utility Scale Facility Net Generation from Biomass

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	1,305	1,331	-2.0%	125	115	958	901	19	26	203	289
Connecticut	147	125	18.1%	0	0	147	120	0	4	0	0
Maine	546	630	-13.2%	0	0	330	325	13	15	203	289
Massachusetts	199	193	3.2%	0	0	199	193	NM	NM	0	0
New Hampshire	287	260	10.2%	60	57	222	198	5	6	0	0
Rhode Island	34	38	-8.4%	0	0	34	38	0	0	0	0
Vermont	91	86	5.1%	65	58	26	28	NM	NM	0	0
Middle Atlantic	992	950	4.4%	0	0	751	720	87	89	153	141
New Jersey	164	153	7.3%	0	0	133	123	31	29	0	0
New York	406	389	4.4%	0	0	322	311	33	36	52	43
Pennsylvania	422	408	3.4%	0	0	296	285	24	24	101	98
East North Central	965	1,009	-4.4%	110	90	555	589	33	36	266	294
Illinois	90	96	-6.1%	0	0	90	96	0	0	0	0
Indiana	63	63	1.2%	50	48	NM	NM	NM	3	10	10
Michigan	396	441	-10.3%	NM	NM	263	291	22	24	111	126
Ohio	125	137	-8.3%	NM	2	80	78	0	0	45	58
Wisconsin	290	272	6.6%	59	41	121	123	9	8	101	100
West North Central	367	373	-1.5%	87	78	175	177	23	19	83	99
Iowa	40	44	-8.3%	4	4	19	19	6	5	12	16
Kansas	12	12	7.6%	0	0	10	10	0	0	NM	NM
Minnesota	272	284	-4.2%	62	58	142	144	4	4	64	77
Missouri	23	20	12.8%	8	8	4	3	10	8	NM	NM
Nebraska	16	10	52.9%	13	7	0	0	3	NM	0	0
North Dakota	4	NM	NM	0	0	0	0	0	0	4	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,059	3,069	-0.3%	373	304	968	1,059	53	59	1,664	1,648
Delaware	12	12	0.5%	0	0	10	10	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	744	807	-7.9%	58	17	370	467	6	5	310	318
Georgia	731	689	6.1%	0	0	114	98	NM	4	616	587
Maryland	75	89	-15.0%	0	0	57	60	5	5	13	23
North Carolina	356	410	-13.4%	0	0	183	180	11	12	161	219
South Carolina	406	389	4.6%	71	75	55	59	0	0	280	255
Virginia	735	673	9.2%	244	212	179	185	29	32	282	243
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	1,055	1,045	1.0%	16	15	58	62	0	0	981	968
Alabama	542	544	-0.3%	NM	NM	42	46	0	0	500	498
Kentucky	81	84	-2.9%	15	14	NM	NM	0	0	66	69
Mississippi	260	244	6.6%	0	0	NM	2	0	0	258	242
Tennessee	171	173	-0.8%	0	0	14	13	0	0	158	160
West South Central	1,039	1,096	-5.2%	0	30	153	156	7	7	879	903
Arkansas	258	272	-5.3%	0	0	21	20	NM	NM	236	252
Louisiana	452	455	-0.5%	0	0	14	14	0	0	438	441
Oklahoma	53	54	-3.0%	0	0	NM	2	0	0	50	52
Texas	277	315	-12.1%	0	30	114	120	7	7	156	159
Mountain	173	180	-3.9%	3	5	110	108	0	0	60	67
Arizona	38	38	-0.1%	NM	3	36	35	0	0	0	0
Colorado	24	23	2.2%	0	0	24	23	0	0	0	0
Idaho	91	99	-7.8%	NM	1	32	32	0	0	58	65
Montana	NM	NM	NM	0	0	0	0	0	0	NM	NM
Nevada	4	4	3.8%	0	0	4	4	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	12	11	3.0%	0	0	12	11	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,506	1,592	-5.4%	134	123	831	913	154	163	388	394
California	1,035	1,124	-7.9%	40	38	738	819	148	156	109	111
Oregon	156	184	-14.9%	11	10	71	73	NM	3	72	97
Washington	315	285	10.6%	83	75	22	21	3	3	207	186
Pacific Noncontiguous	65	70	-8.1%	9	9	0	0	35	41	21	21
Alaska	10	11	-2.7%	0	0	0	0	8	9	NM	NM
Hawaii	54	60	-9.1%	9	9	0	0	26	32	19	19
U.S. Total	10,526	10,715	-1.8%	857	769	4,560	4,684	411	440	4,698	4,823

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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 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
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	350	322	8.7%	23	20	327	302	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	8	NM	0	0	NM	8	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	293	272	8.0%	0	0	293	272	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	48	41	15.1%	23	20	25	22	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	975	1,008	-3.3%	67	64	908	944	0	0	0	0
California	956	991	-3.6%	66	64	890	927	0	0	0	0
Oregon	19	17	12.1%	NM	0	18	17	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	17	16	7.0%	0	0	17	16	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	17	16	7.0%	0	0	17	16	0	0	0	0
U.S. Total	1,342	1,346	-0.3%	90	83	1,252	1,262	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.B. Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	728	663	9.8%	46	43	681	619	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	17	NM	0	0	NM	17	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	614	554	10.9%	0	0	614	554	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	95	90	5.3%	46	43	49	47	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,013	2,123	-5.2%	141	135	1,873	1,989	0	0	0	0
California	1,974	2,087	-5.4%	138	135	1,836	1,953	0	0	0	0
Oregon	39	36	9.3%	NM	0	37	36	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	36	35	4.2%	0	0	36	35	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	36	35	4.2%	0	0	36	35	0	0	0	0
U.S. Total	2,778	2,821	-1.5%	187	178	2,590	2,643	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 1.17.A. Net Generation from Solar Photovoltaic
by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	142	102	39.1%	66	50	76	53	NM	NM	64	48	NM	NM	NM	NM	47	37	3	3	0	0	3	3	26	13
Connecticut	NM	10	NM	NM	NM	15	8	0	0	NM	NM	6	4	0	0	6	4	1	1	0	0	1	1	8	4
Maine	NM	1	NM	0	0	NM	1	0	0	0	0	NM	0	0	0	NM	0	0	0	0	0	0	0	NM	1
Massachusetts	109	82	33.1%	58	43	51	39	NM	NM	56	41	NM	NM	NM	NM	37	31	2	2	0	0	2	2	12	6
New Hampshire	2	1	112.7%	0	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	1
Rhode Island	NM	2	NM	NM	NM	1	1	0	0	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Vermont	10	7	48.4%	5	4	5	3	0	0	5	4	2	1	0	0	2	1	0	0	0	0	0	0	3	2
Middle Atlantic	225	177	26.9%	87	64	138	113	10	6	61	46	98	84	15	12	83	73	NM	NM	NM	NM	9	8	46	33
New Jersey	153	127	20.5%	71	53	83	75	10	6	47	35	73	65	14	11	59	54	NM	NM	NM	NM	5	4	18	16
New York	48	30	58.6%	9	6	40	24	0	0	8	6	NM	NM	NM	NM	17	13	1	0	0	0	1	0	22	12
Pennsylvania	24	20	19.1%	8	5	16	14	0	0	6	4	NM	NM	NM	NM	7	6	NM	NM	NM	NM	3	3	6	5
East North Central	49	33	48.2%	36	23	13	10	5	NM	30	21	NM	NM	NM	NM	9	8	NM	NM	NM	NM	1	0	4	2
Illinois	7	6	29.8%	5	4	2	1	NM	NM	5	4	1	1	0	0	1	1	NM	NM	0	0	NM	NM	1	0
Indiana	24	14	67.1%	23	13	1	1	3	NM	19	13	1	0	0	0	1	0	NM	NM	0	0	NM	NM	0	0
Michigan	NM	2	NM	NM	0	2	2	NM	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Ohio	13	9	35.1%	7	5	6	5	NM	NM	5	4	NM	NM	NM	NM	4	4	NM	NM	NM	NM	0	0	1	1
Wisconsin	NM	2	NM	NM	NM	2	2	0	0	NM	NM	1	1	0	0	1	1	NM	NM	0	0	NM	NM	1	1
West North Central	NM	14	NM	NM	NM	16	13	0	0	NM	NM	NM	8	NM	0	9	8	0	0	0	0	0	0	6	5
Iowa	3	2	37.6%	0	0	3	2	0	0	0	0	2	1	0	0	2	1	0	0	0	0	0	0	1	1
Kansas	NM	0	NM	NM	NM	0	0	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	NM	2	NM	NM	NM	2	1	0	0	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Missouri	NM	10	NM	NM	NM	11	9	0	0	NM	NM	NM	5	NM	0	6	5	0	0	0	0	0	0	4	4
Nebraska	0	0	37.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM	NM	0	0	NM	NM	0	0
North Dakota	0	0	-7.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	17.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	395	177	123.2%	333	133	61	44	28	7	293	119	48	37	11	7	37	30	3	1	0	0	3	1	22	13
Delaware	10	8	17.5%	5	4	5	4	NM	NM	4	NM	NM	NM	NM	NM	3	3	0	0	0	0	0	0	1	1
District of Columbia	2	2	6.4%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0
Florida	27	19	40.2%	13	9	14	10	5	5	7	4	NM	NM	NM	NM	7	6	0	0	0	0	0	0	7	4
Georgia	50	16	225.4%	44	10	6	6	6	NM	38	8	NM	NM	NM	NM	6	6	NM	0	0	0	NM	0	NM	0
Maryland	35	22	57.0%	12	8	23	14	NM	NM	11	7	NM	NM	NM	NM	12	9	2	0	0	0	2	0	9	5
North Carolina	266	107	149.0%	258	101	8	6	16	NM	233	95	15	10	10	6	6	4	0	0	0	0	0	0	2	1
South Carolina	NM	1	NM	NM	NM	1	0	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Virginia	3	2	50.2%	0	0	3	2	0	0	0	0	1	1	0	0	1	1	NM	0	0	0	NM	0	2	1
West Virginia	0	0	32.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East South Central	13	12	11.8%	8	7	5	5	0	0	8	7	NM	NM	NM	NM	5	5	0	0	0	0	0	0	0	0
Alabama	0	0	6.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	1	1	15.0%	0	0	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Mississippi	0	0	-15.7%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	12	11	12.1%	8	7	4	4	0	0	8	7	NM	NM	NM	NM	4	4	0	0	0	0	0	0	0	0
West South Central	89	44	101.8%	58	24	31	20	0	0	57	24	NM	NM	NM	NM	8	6	0	0	0	0	0	0	23	15
Arkansas	NM	0	NM	NM	0	0	0	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	13	9	48.9%	0	0	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	8
Oklahoma	1	0	260.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	73	35	108.5%	55	24	18	11	0	0	55	24	NM	NM	NM	NM	7	5	0	0	0	0	0	0	11	6
Mountain	668	483	38.2%	505	365	163	118	62	45	434	315	68	56	9	6	59	51	NM	NM	NM	NM	12	10	92	58
Arizona	327	268	21.9%	232	194	95	74	40	35	191	157	NM	NM	NM	NM	32	29	10	8	0	0	10	8	53	37
Colorado	63	42	50.5%	33	19	30	23	0	0	31	18	NM	NM	NM	NM	13	12	0	0	0	0	0	0	17	11
Idaho	0	0	63.2%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	1	0	36.5%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nevada	174	116	51.0%	156	109	18	7	NM	0	147	106	11	NM	6	NM	5	3	NM	NM	NM	NM	1	1	12	3
New Mexico	68	54	26.2%	56	44	12	10	19	10	37	34	6	5	0	0	6	5	0	0	0	0	0	0	6	4
Utah	35	3	950.0%	28	NM	7	3	0	0	28	NM	2	1	0	0	2	1	0	0	0	0	0	0	4	2
Wyoming	NM	0	NM	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM	0
Pacific Contiguous	1,508	1,086	38.8%	1,079	799	428	287	43	37	1,025	755	121	86	10	7	110	80	NM	NM	NM	NM	60	48	258	159
California	1,494	1,077	38.7%	1,075	797	418	279	42	37	1,022	753	118	84	10	7	107	77	NM	NM	NM	NM	60	48	251	155
Oregon	9	7	32.3%	4	NM	6	5	NM	NM	3	NM	2	2	0	0	2	2	0	0	0	0	0	0	3	2
Washington	4	3	76.4%	0	0	4	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	4	2
Pacific Noncontiguous	60	46	32.1%	8	5	53	41	4	NM	3	NM	18	16	0	0	18	16	0	0	0	0	0	0	34	25
Alaska	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	60	46	32.1%	8	5	53	41	4	NM	3	NM	18	16	0	0	18	16	0	0	0	0	0	0	34	25
U.S. Total	3,168	2,175	45.6%	2,182	1,471	986	704	154	101	1,978	1,337	432	344	47	32	385	312	NM	NM	NM	NM	88	70	512	322

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.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.17.B. Net Generation from Solar Photovoltaic
by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	247	188	31.4%	106	87	141	101	NM	NM	103	84	88	71	NM	NM	87	70	6	5	0	0	6	5	48	26
Connecticut	30	18	66.4%	NM	NM	28	16	0	0	NM	NM	12	8	0	0	12	8	1	1	0	0	1	1	14	7
Maine	3	2	74.7%	0	0	3	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	1
Massachusetts	187	150	24.6%	93	75	94	75	NM	NM	90	72	69	59	NM	NM	68	59	4	4	0	0	4	4	22	12
New Hampshire	4	2	105.0%	0	0	4	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	3	1
Rhode Island	4	3	37.9%	NM	NM	2	2	0	0	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	1	0
Vermont	18	12	42.1%	8	8	9	5	0	0	8	8	3	1	0	0	3	1	0	0	0	0	0	0	6	4
Middle Atlantic	396	325	21.9%	139	113	257	213	15	11	98	80	179	157	24	20	155	137	19	17	NM	NM	18	15	85	61
New Jersey	267	232	14.9%	112	92	155	140	15	11	74	62	133	122	22	19	111	102	10	8	NM	NM	10	8	34	30
New York	88	56	55.5%	15	11	72	45	0	0	15	11	32	24	NM	NM	32	23	1	1	0	0	1	1	39	22
Pennsylvania	42	37	14.1%	12	10	30	27	0	0	9	8	13	12	NM	NM	12	11	8	8	NM	NM	6	6	11	10
East North Central	80	58	36.5%	57	40	23	19	8	NM	47	36	16	14	NM	NM	16	14	1	1	NM	NM	1	1	6	4
Illinois	12	10	20.4%	9	7	3	3	NM	NM	8	7	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Indiana	38	25	51.4%	36	24	2	1	5	NM	31	23	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Michigan	5	4	42.1%	NM	0	4	4	NM	0	0	0	3	3	0	0	3	3	0	0	0	0	0	0	1	1
Ohio	21	17	25.1%	11	9	10	8	NM	NM	8	6	8	7	NM	NM	8	6	1	1	NM	NM	1	1	2	1
Wisconsin	4	3	22.9%	NM	NM	3	3	0	0	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	1	1
West North Central	34	27	27.7%	5	NM	29	24	0	0	4	NM	17	14	NM	0	17	14	0	0	0	0	0	0	12	9
Iowa	5	4	35.1%	0	0	5	4	0	0	0	0	3	2	0	0	3	2	0	0	0	0	0	0	1	1
Kansas	1	1	52.2%	NM	NM	1	1	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	4	3	55.7%	NM	NM	3	2	0	0	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	1	1
Missouri	24	19	21.5%	NM	NM	20	17	0	0	NM	NM	12	10	NM	0	12	10	0	0	0	0	0	0	8	7
Nebraska	0	0	40.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	-9.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	13.8%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	669	319	109.9%	552	234	117	85	50	14	484	208	89	71	18	12	71	59	5	2	0	0	5	2	42	24
Delaware	17	15	12.4%	8	7	9	8	NM	NM	7	6	6	6	NM	NM	6	6	0	0	0	0	0	0	2	2
District of Columbia	4	3	3.8%	0	0	4	3	0	0	0	0	3	3	0	0	3	3	0	0	0	0	0	0	1	1
Florida	49	37	32.6%	21	17	28	20	9	9	12	8	14	11	NM	NM	14	11	1	0	0	0	1	0	13	8
Georgia	86	29	196.7%	73	17	12	12	10	NM	63	15	12	11	NM	NM	11	11	0	0	0	0	0	0	1	1
Maryland	63	41	55.0%	20	14	43	27	NM	NM	18	12	24	19	NM	NM	23	18	3	1	0	0	3	1	16	8
North Carolina	442	189	134.7%	427	178	15	11	28	NM	383	167	27	19	16	10	11	9	0	0	0	0	0	0	4	2
South Carolina	3	1	100.2%	NM	NM	2	1	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Virginia	5	3	48.4%	0	0	5	3	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	3	2
West Virginia	1	0	27.7%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East South Central	23	22	6.2%	13	12	10	10	0	0	13	12	10	10	NM	NM	9	9	0	0	0	0	0	0	1	0
Alabama	0	0	4.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	2	2	12.8%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Mississippi	0	0	-5.2%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	21	19	5.9%	13	12	8	7	0	0	13	12	8	8	NM	NM	8	7	0	0	0	0	0	0	0	0
West South Central	161	84	91.8%	102	45	59	40	1	0	101	44	15	11	NM	NM	15	11	0	0	0	0	0	0	44	29
Arkansas	4	1	577.7%	NM	0	1	1	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	24	17	47.8%	0	0	24	17	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	23	16
Oklahoma	1	0	217.7%	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	131	67	97.3%	98	45	33	22	0	0	98	44	14	10	NM	NM	13	10	0	0	0	0	0	0	20	12
Mountain	1,171	868	34.9%	861	640	309	228	101	78	745	552	129	109	15	9	114	99	24	19	NM	NM	24	19	171	110
Arizona	590	485	21.7%	410	342	180	142	70	62	338	277	64	59	NM	NM	62	56	20	16	0	0	20	16	98	71
Colorado	112	78	43.3%	54	32	59	46	0	0	51	31	29	26	NM	NM	26	24	0	0	0	0	0	0	32	22
Idaho	1	1	58.7%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Montana	1	1	34.7%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Nevada	293	202	45.1%	260	189	33	13	NM	0	245	184	20	11	10	NM	10	6	3	2	NM	NM	3	2	21	5
New Mexico	115	95	20.6%	91	76	23	19	27	16	65	60	11	10	0	0	11	10	0	0	0	0	0	0	12	9
Utah	59	6	835.1%	46	NM	12	6	0	0	46	NM	4	3	0	0	4	3	1	1	0	0	1	1	7	3
Wyoming	0	0	44.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Contiguous	2,577	1,992	29.4%	1,795	1,445	782	547	71	61	1,705	1,371	225	166	17	12	207	153	116	95	NM	NM	115	94	459	300
California	2,554	1,976	29.3%	1,789	1,441	765	535	70	60	1,700	1,368	219	161	17	12	202	148	116	94	NM	NM	114	94	449	293
Oregon	15	12	26.8%	6	NM	10	8	NM	NM	5	NM	4	4	0	0	4	4	0	0	0	0	0	0	5	4
Washington	7	4	71.7%	0	0	7	4	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	6	3
Pacific Noncontiguous	116	90	29.4%	12	8	104	82	7	NM	5	NM	36	32	0	0	36	32	0	0	0	0	0	0	68	50
Alaska	0	0	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	116	90	29.4%	12	8	104	82	7	NM	5	NM	36	32	0	0	36	32	0	0	0	0	0	0	68	50
U.S. Total	5,473	3,972	37.8%	3,642	2,625	1,831	1,347	256	172	3,306	2,394	803	654	77	55	727	598	173	138	NM	NM	169	136	935	613

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.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
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	6	0	NM	6	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	6	0	NM	6	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	54	34	61.4%	0	0	54	34	0	0	0	0
Arizona	37	27	37.2%	0	0	37	27	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	17	6	165.0%	0	0	17	6	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	181	128	41.4%	0	0	181	128	0	0	0	0
California	181	128	41.4%	0	0	181	128	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	241	162	48.5%	6	0	236	162	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 1.18.B. Utility Scale Facility Net Generation from Solar Thermal

by State, by Sector, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
□	□			Electric Utilities		Independent Power Producers					
□	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	8	5	49.6%	8	5	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	8	5	49.6%	8	5	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	91	48	89.5%	0	0	91	48	0	0	0	0
Arizona	71	39	79.0%	0	0	71	39	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	20	8	138.4%	0	0	20	8	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	228	173	31.9%	0	0	228	173	0	0	0	0
California	228	173	31.9%	0	0	228	173	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	327	226	44.5%	8	5	319	221	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 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,729	638,327	217,219	513	4,670
2014	853,634	624,235	224,568	202	4,629
2015	740,855	548,490	188,032	163	4,169
Year 2014					
January	83,647	61,084	22,129	27	407
February	76,160	55,073	20,699	27	362
March	72,124	51,559	20,147	22	396
April	58,065	41,151	16,541	16	357
May	64,033	47,114	16,521	12	385
June	74,328	55,542	18,365	15	406
July	81,495	60,238	20,821	16	420
August	81,074	60,222	20,422	14	417
Sept	69,127	50,728	17,998	12	389
October	61,129	44,987	15,772	11	359
November	64,651	46,561	17,720	14	356
December	67,799	49,976	17,434	16	373
Year 2015					
January	71,302	51,530	19,403	17	351
February	67,056	48,594	18,098	19	345
March	58,308	43,019	14,908	17	363
April	48,549	36,829	11,431	11	278
May	57,217	43,540	13,343	12	321
June	69,166	51,328	17,451	14	373
July	76,833	57,032	19,390	15	396
August	74,067	54,796	18,852	12	406
Sept	65,008	47,582	17,043	11	372
October	53,985	39,774	13,856	11	344
November	49,173	36,122	12,733	11	306
December	50,191	38,342	11,523	12	313
Year 2016					
January	62,151	46,090	15,729	13	319
February	50,649	38,053	12,285	14	297
Year to Date					
2014	159,807	116,157	42,828	54	769
2015	138,359	100,125	37,502	36	696
2016	112,800	84,143	28,014	27	616
Rolling 12 Months Ending in February					
2015	832,185	608,203	219,242	184	4,556
2016	715,296	532,509	178,545	154	4,089

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	19,333	0	2,790	1,143	15,400
2013	18,350	0	2,416	843	15,090
2014	18,107	978	1,821	861	14,448
2015	17,723	1,233	1,933	697	13,859
Year 2014					
January	1,773	114	171	105	1,384
February	1,641	97	167	105	1,271
March	1,722	95	199	96	1,332
April	1,425	81	162	66	1,115
May	1,450	81	146	59	1,164
June	1,413	63	153	63	1,134
July	1,466	78	150	70	1,169
August	1,451	70	149	58	1,175
Sept	1,355	70	121	52	1,113
October	1,359	66	122	47	1,123
November	1,480	76	138	68	1,198
December	1,573	86	142	74	1,271
Year 2015					
January	1,669	91	176	79	1,325
February	1,454	85	150	72	1,146
March	1,543	86	163	71	1,223
April	1,374	68	137	53	1,116
May	1,420	76	172	50	1,123
June	1,374	87	173	50	1,064
July	1,494	83	190	53	1,168
August	1,448	72	171	51	1,154
Sept	1,396	73	172	46	1,105
October	1,283	77	128	50	1,028
November	1,752	344	149	59	1,200
December	1,517	91	154	64	1,207
Year 2016					
January	1,516	90	140	66	1,220
February	1,396	81	106	67	1,141
Year to Date					
2014	3,414	211	338	209	2,655
2015	3,123	176	325	151	2,471
2016	2,912	172	246	133	2,361
Rolling 12 Months Ending in February					
2015	17,816	942	1,808	803	14,263
2016	17,512	1,229	1,854	679	13,749

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	845,066	615,467	208,085	1,450	20,065
2013	879,078	638,327	219,635	1,356	19,761
2014	871,741	625,212	226,389	1,063	19,076
2015	758,578	549,724	189,966	861	18,028
Year 2014					
January	85,420	61,198	22,300	132	1,791
February	77,801	55,170	20,866	131	1,633
March	73,846	51,654	20,346	118	1,729
April	59,489	41,232	16,703	82	1,472
May	65,483	47,195	16,667	72	1,549
June	75,741	55,606	18,518	78	1,540
July	82,961	60,316	20,970	85	1,589
August	82,526	60,292	20,571	72	1,591
Sept	70,482	50,798	18,118	64	1,502
October	62,488	45,053	15,895	58	1,482
November	66,131	46,637	17,858	82	1,554
December	69,372	50,062	17,576	90	1,644
Year 2015					
January	72,972	51,621	19,579	96	1,676
February	68,510	48,679	18,248	91	1,491
March	59,851	43,106	15,071	88	1,586
April	49,922	36,897	11,567	64	1,394
May	58,637	43,616	13,514	62	1,444
June	70,540	51,415	17,624	64	1,437
July	78,327	57,115	19,580	68	1,565
August	75,514	54,868	19,023	63	1,560
Sept	66,404	47,655	17,215	58	1,477
October	55,268	39,851	13,984	61	1,372
November	50,925	36,466	12,882	70	1,507
December	51,707	38,433	11,678	77	1,520
Year 2016					
January	63,667	46,180	15,869	79	1,539
February	52,045	38,134	12,391	81	1,438
Year to Date					
2014	163,221	116,368	43,166	263	3,424
2015	141,482	100,301	37,827	187	3,167
2016	115,712	84,315	28,260	160	2,977
Rolling 12 Months Ending in February					
2015	850,001	609,145	221,050	987	18,819
2016	732,808	533,738	180,398	834	17,838

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,604	17,521	4,110	272	702
2013	23,231	16,827	5,494	328	582
2014	31,531	19,652	10,689	451	739
2015	29,545	19,071	9,319	391	763
Year 2014					
January	10,190	4,468	5,487	112	122
February	3,117	1,879	1,099	58	81
March	3,476	1,917	1,443	43	72
April	1,556	1,283	200	31	42
May	1,647	1,296	274	22	56
June	1,502	1,179	246	27	50
July	1,696	1,308	311	24	53
August	1,751	1,310	372	23	45
Sept	1,645	1,296	274	24	50
October	1,550	1,218	251	28	53
November	1,681	1,230	362	28	60
December	1,721	1,268	368	30	54
Year 2015					
January	3,356	2,097	1,120	55	85
February	8,725	3,668	4,774	164	119
March	1,828	1,261	471	25	72
April	1,550	1,248	229	17	57
May	1,740	1,274	375	20	70
June	1,773	1,409	286	20	57
July	2,041	1,540	423	24	54
August	1,861	1,453	337	22	49
Sept	1,719	1,265	392	16	45
October	1,555	1,234	268	9	44
November	1,760	1,389	306	8	57
December	1,637	1,233	339	11	55
Year 2016					
January	2,380	1,713	592	11	64
February	2,129	1,435	629	14	NM
Year to Date					
2014	13,307	6,347	6,586	170	203
2015	12,082	5,765	5,894	219	204
2016	4,509	3,148	1,221	25	115
Rolling 12 Months Ending in February					
2015	30,306	19,070	9,996	500	740
2016	21,972	16,454	4,647	198	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	3,456	0	1,050	498	1,908
2014	3,099	64	1,170	216	1,650
2015	3,081	64	1,223	184	1,610
Year 2014					
January	643	45	189	115	294
February	336	5	88	44	199
March	301	7	101	27	165
April	203	0	86	4	114
May	211	1	89	5	116
June	208	1	90	3	114
July	195	1	93	4	97
August	201	1	108	3	89
Sept	173	1	62	2	109
October	208	0	92	2	114
November	220	0	90	4	125
December	200	1	80	4	114
Year 2015					
January	329	9	109	26	185
February	551	46	205	61	238
March	242	1	90	12	139
April	207	0	83	7	116
May	215	0	86	10	119
June	215	1	83	10	121
July	219	1	98	12	109
August	201	1	92	10	98
Sept	240	1	94	9	136
October	220	2	101	8	108
November	226	1	89	9	128
December	216	1	94	10	112
Year 2016					
January	242	4	87	18	133
February	219	7	72	16	NM
Year to Date					
2014	979	50	277	159	493
2015	879	55	314	87	424
2016	461	12	159	34	256
Rolling 12 Months Ending in February					
2015	2,999	69	1,206	144	1,581
2016	2,663	21	1,069	131	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,702	17,521	5,102	394	2,685
2013	26,687	16,827	6,544	826	2,490
2014	34,630	19,716	11,859	667	2,389
2015	32,626	19,135	10,543	575	2,373
Year 2014					
January	10,833	4,513	5,677	227	416
February	3,453	1,885	1,187	101	280
March	3,776	1,924	1,545	70	237
April	1,760	1,283	286	35	156
May	1,858	1,296	363	27	172
June	1,711	1,180	336	30	164
July	1,890	1,309	404	28	150
August	1,952	1,311	481	26	134
Sept	1,818	1,297	336	26	159
October	1,758	1,219	343	30	166
November	1,900	1,230	453	32	186
December	1,921	1,269	449	34	169
Year 2015					
January	3,685	2,105	1,229	81	271
February	9,276	3,715	4,979	225	357
March	2,070	1,262	561	37	211
April	1,757	1,248	311	24	173
May	1,954	1,274	461	30	189
June	1,988	1,410	369	30	179
July	2,260	1,540	521	36	163
August	2,062	1,454	429	32	147
Sept	1,959	1,266	487	25	182
October	1,774	1,236	369	17	152
November	1,986	1,390	394	17	185
December	1,854	1,234	432	21	166
Year 2016					
January	2,623	1,717	680	29	197
February	2,348	1,443	701	30	NM
Year to Date					
2014	14,286	6,398	6,864	329	696
2015	12,961	5,820	6,208	306	628
2016	4,970	3,160	1,381	59	371
Rolling 12 Months Ending in February					
2015	33,305	19,138	11,202	644	2,321
2016	24,635	16,475	5,716	329	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,675	2,105	756	1	812
2013	4,852	3,409	779	1	662
2014	4,412	3,440	599	2	371
2015	4,088	3,119	672	2	295
Year 2014					
January	436	349	55	0	32
February	361	275	56	0	30
March	421	332	57	0	31
April	303	212	55	0	36
May	393	314	49	0	30
June	418	339	46	0	33
July	385	299	54	0	33
August	382	298	51	0	33
Sept	372	281	62	0	29
October	230	178	23	0	29
November	288	228	33	0	27
December	424	335	60	0	29
Year 2015					
January	400	312	57	0	30
February	419	332	57	0	31
March	278	195	60	0	23
April	301	213	59	0	29
May	343	260	59	0	23
June	305	233	55	0	17
July	421	333	59	0	28
August	397	311	59	0	27
Sept	381	294	61	0	26
October	312	231	57	0	24
November	253	174	62	0	NM
December	278	230	26	0	21
Year 2016					
January	346	302	17	0	27
February	331	272	39	0	19
Year to Date					
2014	797	624	111	0	62
2015	819	644	113	1	61
2016	677	573	56	1	47
Rolling 12 Months Ending in February					
2015	4,434	3,460	601	2	370
2016	3,946	3,048	614	2	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,346	0	113	11	1,222
2013	1,486	0	96	11	1,379
2014	1,283	3	90	16	1,174
2015	1,362	9	110	16	1,227
Year 2014					
January	105	0	9	2	95
February	93	1	7	1	84
March	106	0	8	2	96
April	116	0	9	2	105
May	110	0	8	1	102
June	109	0	0	0	109
July	114	0	5	0	109
August	112	0	9	2	101
Sept	113	0	9	2	102
October	86	0	9	1	75
November	104	1	9	2	92
December	114	0	9	2	103
Year 2015					
January	140	0	10	2	128
February	135	1	9	2	124
March	147	1	9	2	136
April	120	1	9	1	108
May	101	1	10	0	90
June	116	2	9	0	106
July	104	1	9	0	94
August	104	0	9	2	94
Sept	107	0	8	2	97
October	83	1	8	2	72
November	117	3	10	2	NM
December	87	0	10	1	75
Year 2016					
January	83	0	10	2	70
February	100	0	9	2	88
Year to Date					
2014	197	1	15	3	178
2015	276	1	19	4	252
2016	183	1	19	4	159
Rolling 12 Months Ending in February					
2015	1,361	4	93	18	1,247
2016	1,269	9	110	16	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	5,021	2,105	869	13	2,034
2013	6,338	3,409	875	12	2,041
2014	5,695	3,443	689	18	1,545
2015	5,450	3,128	781	18	1,522
Year 2014					
January	541	349	63	2	127
February	454	276	63	2	113
March	527	332	65	2	128
April	418	212	64	2	141
May	504	314	57	1	132
June	527	339	46	0	141
July	499	299	58	0	142
August	494	298	59	2	134
Sept	485	281	70	2	131
October	316	178	32	2	104
November	393	229	42	2	120
December	538	335	69	2	132
Year 2015					
January	540	313	67	3	158
February	555	332	65	2	155
March	425	196	69	2	159
April	420	213	68	2	137
May	444	261	69	0	113
June	422	235	64	0	123
July	525	334	68	0	123
August	501	311	68	2	121
Sept	488	294	70	2	122
October	396	232	66	2	96
November	370	177	72	2	NM
December	365	230	37	2	96
Year 2016					
January	429	302	27	3	98
February	431	272	49	2	108
Year to Date					
2014	994	624	126	3	240
2015	1,094	645	132	5	313
2016	860	574	75	5	205
Rolling 12 Months Ending in February					
2015	5,795	3,464	694	20	1,617
2016	5,215	3,057	725	18	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,596,299	3,970,447	3,917,131	66,570	642,152
2014	8,544,387	3,895,008	3,954,032	71,957	623,390
2015	10,048,346	4,733,041	4,624,104	73,547	617,654
Year 2014					
January	694,661	324,657	309,522	6,411	54,071
February	579,819	265,645	261,103	5,180	47,892
March	591,101	271,638	263,442	5,292	50,729
April	579,336	270,132	256,256	4,967	47,981
May	680,193	323,448	300,470	5,761	50,513
June	754,126	348,327	349,049	6,119	50,630
July	880,805	393,011	425,395	6,966	55,433
August	935,170	426,346	445,556	7,430	55,839
Sept	805,960	355,962	391,332	6,396	52,270
October	736,039	323,456	356,020	5,939	50,625
November	633,279	288,760	287,096	5,496	51,927
December	673,898	303,627	308,792	5,999	55,480
Year 2015					
January	747,937	342,461	344,326	6,033	55,117
February	677,621	326,498	299,026	5,199	46,898
March	736,005	346,153	335,668	6,169	48,015
April	694,463	328,898	314,913	5,271	45,382
May	768,905	358,129	355,250	6,174	49,353
June	926,723	446,829	421,584	6,182	52,128
July	1,088,254	511,438	514,942	6,765	55,110
August	1,069,342	498,759	508,301	6,936	55,346
Sept	933,818	434,832	440,230	6,418	52,339
October	827,292	383,229	388,757	6,080	49,227
November	770,211	365,775	345,943	6,088	52,403
December	807,773	390,040	355,164	6,233	56,336
Year 2016					
January	808,418	388,873	360,075	6,291	53,178
February	722,190	352,524	314,536	5,583	49,547
Year to Date					
2014	1,274,480	590,302	570,625	11,591	101,963
2015	1,425,559	668,959	643,352	11,232	102,016
2016	1,530,608	741,397	674,611	11,874	102,725
Rolling 12 Months Ending in February					
2015	8,695,465	3,973,665	4,026,759	71,598	623,442
2016	10,153,395	4,805,479	4,655,363	74,189	618,364

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	882,385	0	303,177	51,057	528,151
2014	865,146	4,926	292,016	46,635	521,569
2015	919,958	8,525	305,425	53,462	552,546
Year 2014					
January	87,362	527	28,175	7,205	51,455
February	68,875	539	23,822	3,527	40,988
March	72,690	476	25,252	3,245	43,717
April	67,023	286	22,224	3,085	41,428
May	67,861	224	22,787	3,272	41,578
June	67,490	274	23,101	3,460	40,656
July	72,370	267	24,630	3,749	43,724
August	74,882	441	25,464	4,031	44,946
Sept	69,772	367	23,285	3,731	42,390
October	71,722	431	23,484	3,776	44,032
November	70,483	534	24,002	3,672	42,274
December	74,615	561	25,790	3,883	44,381
Year 2015					
January	79,362	751	26,697	4,911	47,004
February	73,002	721	24,341	4,545	43,395
March	80,866	586	26,950	4,709	48,621
April	73,667	589	24,070	3,935	45,072
May	74,544	584	24,665	4,259	45,036
June	73,185	637	24,293	4,153	44,103
July	77,182	755	26,611	4,322	45,493
August	79,498	851	26,684	4,459	47,504
Sept	74,870	753	26,024	4,545	43,548
October	75,092	687	24,958	4,243	45,205
November	77,529	779	24,812	4,582	47,356
December	81,160	830	25,321	4,799	50,210
Year 2016					
January	83,303	1,101	26,477	5,163	50,563
February	75,776	955	23,992	4,773	46,056
Year to Date					
2014	156,237	1,066	51,997	10,731	92,442
2015	152,364	1,473	51,037	9,456	90,398
2016	159,078	2,055	50,468	9,936	96,619
Rolling 12 Months Ending in February					
2015	861,273	5,332	291,056	45,359	519,525
2016	926,672	9,108	304,856	53,942	558,766

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,478,685	3,970,447	4,220,309	117,626	1,170,303
2014	9,409,532	3,899,934	4,246,048	118,591	1,144,959
2015	10,968,304	4,741,566	4,929,529	127,009	1,170,200
Year 2014					
January	782,023	325,184	337,697	13,616	105,526
February	648,695	266,184	284,925	8,706	88,880
March	663,791	272,114	288,694	8,537	94,446
April	646,360	270,418	278,481	8,052	89,409
May	748,053	323,672	323,257	9,033	92,091
June	821,616	348,601	372,150	9,580	91,286
July	953,174	393,278	450,025	10,715	99,157
August	1,010,052	426,786	471,019	11,461	100,785
Sept	875,732	356,329	414,618	10,126	94,659
October	807,761	323,887	379,503	9,715	94,657
November	703,762	289,294	311,098	9,169	94,202
December	748,513	304,188	334,581	9,883	99,861
Year 2015					
January	827,300	343,212	371,023	10,944	102,121
February	750,623	327,219	323,367	9,744	90,293
March	816,872	346,739	362,619	10,878	96,636
April	768,130	329,487	338,983	9,206	90,454
May	843,449	358,712	379,915	10,433	94,388
June	999,909	447,466	445,877	10,335	96,231
July	1,165,436	512,193	541,554	11,087	100,603
August	1,148,840	499,610	534,984	11,395	102,850
Sept	1,008,688	435,585	466,254	10,963	95,887
October	902,384	383,916	413,714	10,322	94,431
November	847,739	366,555	370,755	10,671	99,759
December	888,933	390,870	380,485	11,032	106,546
Year 2016					
January	891,720	389,973	386,552	11,454	103,741
February	797,966	353,479	338,528	10,357	95,602
Year to Date					
2014	1,430,717	591,368	622,622	22,322	194,405
2015	1,577,923	670,431	694,389	20,688	192,414
2016	1,689,686	743,452	725,079	21,810	199,344
Rolling 12 Months Ending in February					
2015	9,556,738	3,978,997	4,317,816	116,957	1,142,968
2016	11,080,067	4,814,587	4,960,220	128,131	1,177,130

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, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	160,033	16,617	136,108	6,644	664
2007	166,774	17,442	144,104	4,598	630
2008	195,777	20,465	169,547	5,235	530
2009	206,792	19,583	180,689	5,931	589
2010	218,331	19,975	192,428	5,535	393
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	271,967	27,259	211,942	28,143	4,623
2014	285,982	25,819	228,447	27,038	4,678
2015	326,455	31,112	263,077	27,041	5,225
Year 2014					
January	24,810	2,187	19,717	2,506	401
February	23,764	1,997	19,121	2,289	357
March	24,623	2,107	19,714	2,388	414
April	24,489	2,133	19,679	2,260	416
May	24,111	2,136	19,380	2,190	404
June	24,096	2,173	19,233	2,294	396
July	26,390	2,372	21,117	2,498	404
August	25,163	2,332	20,037	2,403	391
Sept	23,690	2,143	18,898	2,290	359
October	21,697	2,148	17,099	2,092	358
November	20,698	2,030	16,561	1,723	385
December	22,451	2,062	17,892	2,105	393
Year 2015					
January	28,955	2,743	22,785	2,902	525
February	25,187	2,354	19,871	2,499	462
March	27,068	2,540	21,358	2,676	494
April	26,169	2,554	21,454	1,814	346
May	27,389	2,540	22,528	1,932	389
June	26,408	2,629	21,537	1,876	366
July	28,301	2,783	23,092	2,018	407
August	28,004	2,720	22,933	1,962	389
Sept	25,387	2,434	20,776	1,817	359
October	27,510	2,547	22,111	2,368	483
November	27,126	2,488	21,445	2,683	509
December	28,952	2,778	23,185	2,493	495
Year 2016					
January	28,588	2,679	22,961	2,479	469
February	25,794	2,456	20,747	2,181	410
Year to Date					
2014	48,574	4,184	38,838	4,795	757
2015	54,141	5,097	42,656	5,402	987
2016	54,382	5,135	43,707	4,660	879
Rolling 12 Months Ending in February					
2015	291,549	26,732	232,265	27,645	4,907
2016	326,695	31,150	264,128	26,299	5,117

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

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	2,051	0	525	1,094	433
2007	1,988	0	386	1,102	501
2008	1,025	0	454	433	138
2009	793	0	545	176	72
2010	1,623	0	1,195	370	58
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	831	0	261	423	147
2014	1,710	176	525	674	335
2015	2,997	209	1,376	917	495
Year 2014					
January	169	20	62	61	25
February	148	18	64	44	23
March	132	19	41	44	27
April	137	19	28	60	30
May	144	19	33	64	29
June	154	17	54	54	29
July	179	14	70	64	30
August	161	15	62	55	30
Sept	140	14	47	51	28
October	101	2	21	53	25
November	112	3	17	64	29
December	132	15	26	61	30
Year 2015					
January	562	17	251	182	112
February	527	16	232	178	101
March	386	17	169	128	72
April	69	17	38	14	0
May	72	18	39	16	0
June	69	18	35	16	0
July	93	19	49	23	2
August	82	18	40	22	2
Sept	66	17	35	15	0
October	267	17	130	68	51
November	476	17	204	163	92
December	328	19	153	93	63
Year 2016					
January	437	18	189	146	84
February	401	0	195	117	89
Year to Date					
2014	318	38	126	106	48
2015	1,089	33	483	359	213
2016	838	18	384	263	173
Rolling 12 Months Ending in February					
2015	2,481	171	882	928	500
2016	2,746	194	1,276	821	455

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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, 2006-February 2016 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	162,084	16,617	136,632	7,738	1,096
2007	168,762	17,442	144,490	5,699	1,131
2008	196,802	20,465	170,001	5,668	668
2009	207,585	19,583	181,234	6,106	661
2010	219,954	19,975	193,623	5,905	451
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	272,798	27,259	212,203	28,566	4,770
2014	287,692	25,995	228,971	27,713	5,013
2015	329,451	31,320	264,453	27,958	5,720
Year 2014					
January	24,980	2,207	19,779	2,567	426
February	23,912	2,014	19,185	2,334	379
March	24,755	2,126	19,755	2,432	442
April	24,625	2,152	19,708	2,320	446
May	24,255	2,155	19,413	2,254	433
June	24,250	2,190	19,287	2,348	425
July	26,569	2,386	21,187	2,561	434
August	25,324	2,347	20,099	2,458	421
Sept	23,830	2,158	18,944	2,341	387
October	21,798	2,150	17,119	2,145	383
November	20,811	2,033	16,578	1,786	414
December	22,584	2,077	17,918	2,166	423
Year 2015					
January	29,517	2,760	23,036	3,084	637
February	25,713	2,369	20,104	2,677	563
March	27,453	2,557	21,527	2,803	566
April	26,238	2,572	21,492	1,828	346
May	27,462	2,557	22,567	1,948	389
June	26,477	2,647	21,572	1,892	366
July	28,394	2,802	23,142	2,041	409
August	28,086	2,738	22,973	1,984	391
Sept	25,453	2,451	20,811	1,832	359
October	27,777	2,565	22,241	2,436	534
November	27,602	2,505	21,649	2,846	601
December	29,280	2,797	23,339	2,586	557
Year 2016					
January	29,025	2,698	23,149	2,625	553
February	26,195	2,456	20,942	2,298	499
Year to Date					
2014	48,892	4,222	38,964	4,901	806
2015	55,230	5,130	43,140	5,761	1,200
2016	55,220	5,153	44,091	4,923	1,052
Rolling 12 Months Ending in February					
2015	294,030	26,903	233,147	28,573	5,408
2016	329,441	31,344	265,405	27,120	5,572

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

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	19,629	500	17,343	1,761	25
2007	19,576	553	17,116	1,785	122
2008	19,805	509	17,487	1,809	0
2009	19,669	465	17,048	2,155	0
2010	19,437	402	16,802	2,233	0
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	17,007	456	14,057	2,485	8
2014	16,706	444	13,809	2,447	6
2015	15,643	766	12,670	2,202	4
Year 2014					
January	1,381	28	1,131	221	0
February	1,205	24	1,014	166	0
March	1,390	38	1,165	187	0
April	1,371	44	1,127	200	0
May	1,455	42	1,200	214	1
June	1,418	40	1,170	207	1
July	1,489	44	1,224	220	1
August	1,469	38	1,210	220	1
Sept	1,384	38	1,141	205	1
October	1,374	40	1,133	200	0
November	1,373	32	1,139	201	0
December	1,397	36	1,155	205	1
Year 2015					
January	1,293	31	1,068	194	1
February	1,137	24	944	168	1
March	1,230	28	1,010	192	1
April	1,241	41	1,020	180	0
May	1,297	45	1,076	176	0
June	1,322	44	1,103	175	0
July	1,451	104	1,153	194	0
August	1,386	101	1,105	181	0
Sept	1,289	97	1,010	183	0
October	1,297	94	1,028	174	1
November	1,307	70	1,042	194	1
December	1,393	89	1,111	193	1
Year 2016					
January	1,333	95	1,058	179	1
February	1,210	83	972	154	1
Year to Date					
2014	2,586	53	2,145	387	1
2015	2,430	55	2,012	362	2
2016	2,543	178	2,030	333	2
Rolling 12 Months Ending in February					
2015	16,550	446	13,676	2,422	6
2016	15,756	890	12,689	2,173	5

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

Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	2,840	0	725	1,595	520
2007	2,219	0	768	1,136	315
2008	2,328	0	806	1,514	8
2009	2,426	0	823	1,466	137
2010	2,287	0	819	1,316	152
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,865	0	517	1,160	187
2014	1,955	0	650	1,104	200
2015	1,853	0	648	1,033	172
Year 2014					
January	203	0	59	126	17
February	140	0	49	76	15
March	154	0	52	86	15
April	155	0	58	82	15
May	166	0	57	92	18
June	163	0	57	90	16
July	164	0	54	93	17
August	161	0	47	92	22
Sept	157	0	48	92	18
October	165	0	56	93	17
November	158	0	55	88	15
December	169	0	59	93	17
Year 2015					
January	170	0	68	89	14
February	129	0	48	71	10
March	164	0	60	89	14
April	161	0	54	91	16
May	156	0	48	93	15
June	143	0	45	83	15
July	160	0	54	90	16
August	146	0	51	81	14
Sept	149	0	48	86	15
October	159	0	57	87	15
November	149	0	55	81	13
December	167	0	60	92	15
Year 2016					
January	155	0	63	81	12
February	163	0	73	78	12
Year to Date					
2014	342	0	108	202	32
2015	299	0	116	160	24
2016	318	0	135	159	23
Rolling 12 Months Ending in February					
2015	1,912	0	658	1,061	192
2016	1,872	0	668	1,033	171

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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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.
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Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2006-February 2016 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	22,469	500	18,068	3,356	545
2007	21,796	553	17,885	2,921	437
2008	22,134	509	18,294	3,323	8
2009	22,095	465	17,872	3,622	137
2010	21,725	402	17,621	3,549	152
2011	19,016	388	15,367	3,103	158
2012	18,954	418	14,757	3,577	203
2013	18,871	456	14,574	3,646	195
2014	18,661	444	14,459	3,551	206
2015	17,496	766	13,318	3,235	177
Year 2014					
January	1,584	28	1,190	347	18
February	1,345	24	1,063	242	15
March	1,544	38	1,217	273	16
April	1,526	44	1,184	283	15
May	1,622	42	1,256	306	18
June	1,581	40	1,227	297	17
July	1,653	44	1,279	313	18
August	1,629	38	1,257	312	22
Sept	1,541	38	1,188	297	18
October	1,540	40	1,189	293	17
November	1,531	32	1,194	289	15
December	1,566	36	1,214	299	17
Year 2015					
January	1,463	31	1,135	282	15
February	1,266	24	992	239	11
March	1,394	28	1,070	281	14
April	1,402	41	1,074	270	16
May	1,453	45	1,123	269	16
June	1,465	44	1,148	258	15
July	1,611	104	1,207	284	16
August	1,532	101	1,156	261	14
Sept	1,438	97	1,057	269	15
October	1,456	94	1,085	261	16
November	1,455	70	1,097	274	14
December	1,561	89	1,171	285	16
Year 2016					
January	1,488	95	1,121	260	13
February	1,373	83	1,045	232	13
Year to Date					
2014	2,929	53	2,254	589	33
2015	2,729	55	2,128	521	26
2016	2,861	178	2,166	492	25
Rolling 12 Months Ending in February					
2015	18,462	446	14,333	3,483	199
2016	17,628	890	13,357	3,206	176

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2006-February 2016 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	350,074	27,455	135,546	269	186,803
2007	353,025	31,568	132,953	284	188,220
2008	338,786	29,150	130,122	287	179,227
2009	320,444	29,565	130,894	274	159,712
2010	349,530	40,167	137,072	274	172,016
2011	347,623	35,474	130,108	482	181,559
2012	390,342	32,723	138,217	478	218,924
2013	397,929	43,363	143,721	536	210,308
2014	431,285	45,643	174,513	961	210,167
2015	423,964	43,996	175,037	723	204,209
Year 2014					
January	37,135	4,268	14,488	150	18,228
February	33,670	3,805	13,442	125	16,298
March	36,751	4,396	14,837	87	17,430
April	31,558	2,624	12,884	43	16,007
May	32,416	2,959	12,100	67	17,290
June	37,105	3,977	15,346	124	17,658
July	39,028	4,052	16,069	81	18,827
August	38,477	4,275	15,672	69	18,461
Sept	35,553	3,720	14,839	54	16,940
October	35,086	3,777	13,871	64	17,375
November	36,209	3,715	15,424	46	17,025
December	38,296	4,075	15,542	51	18,628
Year 2015					
January	37,759	4,213	15,381	82	18,083
February	34,463	3,571	14,764	75	16,053
March	34,574	3,449	14,233	63	16,829
April	30,594	2,416	12,332	56	15,790
May	34,107	3,398	14,280	72	16,357
June	35,586	3,806	14,827	41	16,912
July	39,299	4,630	16,262	80	18,327
August	38,913	4,539	16,512	45	17,817
Sept	34,715	3,479	13,872	58	17,305
October	32,887	3,255	12,881	62	16,690
November	34,399	3,405	14,293	36	16,666
December	36,669	3,834	15,400	53	17,381
Year 2016					
January	35,775	4,263	14,257	65	17,190
February	34,677	4,008	14,416	75	16,179
Year to Date					
2014	70,805	8,073	27,930	275	34,527
2015	72,222	7,785	30,145	157	34,135
2016	70,452	8,270	28,673	140	33,369
Rolling 12 Months Ending in February					
2015	432,702	45,355	176,728	843	209,776
2016	422,194	44,481	173,565	706	203,443

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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Table 2.7.B. Wood / Wood Waste Biomass: Consumption for Useful Thermal Output, by Sector, 2006-February 2016 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2006	1,049,161	0	18,814	1,045	1,029,303
2007	982,486	0	21,435	1,756	959,296
2008	923,889	0	18,075	1,123	904,690
2009	816,285	0	19,587	1,135	795,563
2010	876,041	0	18,357	1,064	856,620
2011	893,314	0	16,577	1,022	875,716
2012	883,158	0	19,251	949	862,958
2013	919,631	0	20,342	950	898,339
2014	946,344	8,835	22,262	3,766	911,481
2015	923,637	9,244	18,028	3,532	892,833
Year 2014					
January	80,405	649	1,975	311	77,469
February	73,581	733	1,988	271	70,589
March	80,081	875	2,027	342	76,837
April	77,233	678	1,914	246	74,395
May	76,839	773	1,454	338	74,274
June	79,101	683	1,848	400	76,170
July	80,733	767	1,876	351	77,739
August	82,539	722	1,908	346	79,564
Sept	76,170	573	1,706	296	73,596
October	78,477	737	1,894	285	75,561
November	78,316	728	1,738	271	75,578
December	82,869	916	1,935	309	79,709
Year 2015					
January	84,158	862	1,703	374	81,220
February	74,527	821	1,628	353	71,725
March	75,574	767	1,575	306	72,926
April	76,652	600	1,563	300	74,190
May	77,079	771	792	141	75,375
June	76,022	797	1,438	251	73,536
July	78,843	773	1,682	357	76,031
August	77,221	769	1,752	269	74,431
Sept	74,010	703	1,583	311	71,413
October	75,840	740	1,270	269	73,561
November	74,605	712	1,377	278	72,238
December	79,104	929	1,665	324	76,187
Year 2016					
January	79,935	840	1,732	470	76,893
February	72,962	884	1,727	396	69,956
Year to Date					
2014	153,986	1,383	3,963	582	148,059
2015	158,685	1,682	3,331	727	152,945
2016	152,897	1,724	3,459	866	146,848
Rolling 12 Months Ending in February					
2015	951,042	9,135	21,629	3,911	916,367
2016	917,849	9,285	18,156	3,671	886,736

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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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 2.8.A. Consumption of Coal for Electricity Generation by State, by Sector, February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	170	511	-67.0%	28	142	141	366	0	0	1	3
Connecticut	10	126	-92.0%	0	0	10	126	0	0	0	0
Maine	1	5	-69.0%	0	0	1	2	0	0	0	2
Massachusetts	130	238	-45.0%	0	0	130	238	0	0	0	NM
New Hampshire	28	142	-80.0%	28	142	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	2,488	3,768	-34.0%	0	0	2,468	3,746	NM	NM	20	22
New Jersey	50	184	-73.0%	0	0	50	184	0	0	0	0
New York	111	251	-56.0%	0	0	106	245	0	0	5	6
Pennsylvania	2,327	3,334	-30.0%	0	0	2,313	3,316	NM	NM	14	17
East North Central	10,895	15,455	-30.0%	7,224	9,167	3,595	6,199	4	4	72	84
Illinois	2,438	4,294	-43.0%	288	440	2,101	3,800	1	1	47	52
Indiana	2,826	3,585	-21.0%	2,592	3,343	233	241	1	1	NM	NM
Michigan	1,957	2,366	-17.0%	1,930	2,335	21	20	2	1	5	9
Ohio	2,236	3,458	-35.0%	991	1,314	1,240	2,139	NM	NM	5	6
Wisconsin	1,438	1,752	-18.0%	1,424	1,735	0	0	NM	NM	14	17
West North Central	9,306	11,312	-18.0%	9,184	11,170	1	1	4	7	117	133
Iowa	1,147	1,828	-37.0%	1,083	1,757	0	0	2	4	62	67
Kansas	1,050	1,265	-17.0%	1,050	1,265	0	0	0	0	0	0
Minnesota	1,139	1,420	-20.0%	1,111	1,386	0	0	NM	1	28	34
Missouri	2,986	3,584	-17.0%	2,982	3,577	1	1	2	2	1	3
Nebraska	1,025	1,105	-7.2%	1,005	1,081	0	0	0	0	20	24
North Dakota	1,837	1,946	-5.6%	1,832	1,940	0	0	0	0	5	6
South Dakota	121	163	-26.0%	121	163	0	0	0	0	0	0
South Atlantic	8,201	11,303	-27.0%	7,103	9,713	1,066	1,545	NM	4	29	41
Delaware	40	84	-53.0%	0	0	40	84	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,047	1,482	-29.0%	1,043	1,480	0	0	0	0	NM	NM
Georgia	1,426	1,925	-26.0%	1,421	1,920	0	0	0	0	NM	5
Maryland	510	875	-42.0%	0	0	508	871	0	NM	1	3
North Carolina	1,093	1,916	-43.0%	1,073	1,894	NM	NM	2	2	NM	NM
South Carolina	745	1,037	-28.0%	741	1,031	0	0	0	0	4	5
Virginia	734	907	-19.0%	701	832	26	69	NM	NM	7	6
West Virginia	2,607	3,077	-15.0%	2,124	2,557	479	503	0	0	4	17
East South Central	5,358	7,006	-24.0%	5,034	6,697	303	286	0	0	20	22
Alabama	1,190	1,614	-26.0%	1,186	1,607	0	0	0	0	NM	NM
Kentucky	2,711	3,410	-21.0%	2,711	3,410	0	0	0	0	0	0
Mississippi	440	514	-14.0%	137	228	303	286	0	0	0	0
Tennessee	1,016	1,468	-31.0%	1,001	1,452	0	0	0	0	16	16
West South Central	7,233	10,062	-28.0%	3,481	4,914	3,740	5,139	0	0	NM	NM
Arkansas	949	1,236	-23.0%	748	1,004	200	231	0	0	1	1
Louisiana	651	1,050	-38.0%	506	534	145	516	0	0	0	0
Oklahoma	827	1,293	-36.0%	718	1,207	99	77	0	0	NM	NM
Texas	4,807	6,482	-26.0%	1,510	2,168	3,297	4,314	0	0	0	0
Mountain	6,870	7,539	-8.9%	5,958	6,770	893	748	0	0	19	21
Arizona	1,084	1,246	-13.0%	1,084	1,246	0	0	0	0	0	0
Colorado	1,211	1,474	-18.0%	1,209	1,472	NM	NM	0	0	NM	NM
Idaho	1	2	-18.0%	0	0	0	0	0	0	1	2
Montana	821	680	21.0%	NM	NM	799	659	0	0	NM	NM
Nevada	89	99	-9.7%	52	62	37	37	0	0	0	0
New Mexico	672	833	-19.0%	672	833	0	0	0	0	0	0
Utah	968	1,195	-19.0%	952	1,177	NM	NM	0	0	0	0
Wyoming	2,024	2,012	0.6%	1,968	1,959	NM	NM	0	0	17	19
Pacific Contiguous	7	7	-1.5%	0	0	0	NM	0	0	7	6
California	6	6	-6.2%	0	0	0	NM	0	0	6	5
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	1	43.0%	0	0	0	0	0	0	1	1
Pacific Noncontiguous	122	93	30.0%	40	20	77	68	4	4	NM	NM
Alaska	61	41	48.0%	40	20	17	17	4	4	0	0
Hawaii	61	52	17.0%	0	0	60	50	0	0	NM	NM
U.S. Total	50,649	67,056	-24.0%	38,053	48,594	12,285	18,098	14	19	297	345

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

Table 2.8.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	416	1,014	-59.0%	65	277	349	732	0	0	2	5
Connecticut	38	245	-84.0%	0	0	38	245	0	0	0	0
Maine	3	8	-57.0%	0	0	3	4	0	0	1	4
Massachusetts	308	483	-36.0%	0	0	308	482	0	0	1	1
New Hampshire	65	277	-76.0%	65	277	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	5,514	7,545	-27.0%	0	0	5,474	7,498	NM	1	40	45
New Jersey	104	317	-67.0%	0	0	104	317	0	0	0	0
New York	202	409	-51.0%	0	0	192	398	0	0	11	12
Pennsylvania	5,208	6,818	-24.0%	0	0	5,178	6,783	NM	1	29	34
East North Central	24,568	31,677	-22.0%	15,756	19,089	8,654	12,408	7	8	151	171
Illinois	5,869	8,679	-32.0%	681	935	5,087	7,636	3	3	98	105
Indiana	6,066	7,482	-19.0%	5,584	7,014	480	466	2	2	1	1
Michigan	4,403	4,751	-7.3%	4,348	4,689	40	40	2	2	13	20
Ohio	4,949	6,874	-28.0%	1,891	2,596	3,048	4,266	NM	NM	10	11
Wisconsin	3,281	3,890	-16.0%	3,252	3,857	0	0	NM	NM	28	34
West North Central	20,876	23,366	-11.0%	20,628	23,089	3	3	8	13	238	261
Iowa	2,644	3,567	-26.0%	2,514	3,427	0	0	4	7	125	134
Kansas	2,386	2,632	-9.4%	2,386	2,632	0	0	0	0	0	0
Minnesota	2,609	2,946	-11.0%	2,551	2,880	0	0	NM	1	58	65
Missouri	6,585	7,509	-12.0%	6,578	7,497	3	3	3	5	2	5
Nebraska	2,380	2,307	3.2%	2,338	2,261	0	0	0	0	41	46
North Dakota	3,994	4,069	-1.8%	3,983	4,057	0	0	0	0	11	12
South Dakota	278	335	-17.0%	278	335	0	0	0	0	0	0
South Atlantic	17,186	21,511	-20.0%	14,881	18,569	2,238	2,843	5	7	62	92
Delaware	99	134	-26.0%	0	0	99	134	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,193	2,851	-23.0%	2,184	2,844	0	0	0	0	NM	NM
Georgia	3,000	3,516	-15.0%	2,991	3,503	0	0	0	0	9	13
Maryland	983	1,539	-36.0%	0	0	980	1,530	0	NM	3	8
North Carolina	2,605	3,500	-26.0%	2,563	3,465	NM	NM	4	5	NM	NM
South Carolina	1,503	2,021	-26.0%	1,492	2,010	0	0	0	0	10	11
Virginia	1,400	1,768	-21.0%	1,324	1,651	60	104	NM	NM	14	13
West Virginia	5,403	6,181	-13.0%	4,326	5,096	1,070	1,050	0	0	8	36
East South Central	11,455	14,122	-19.0%	10,869	13,492	544	585	0	0	43	45
Alabama	2,475	3,155	-22.0%	2,465	3,143	0	0	0	0	10	12
Kentucky	5,801	6,899	-16.0%	5,801	6,899	0	0	0	0	0	0
Mississippi	834	987	-16.0%	291	403	544	585	0	0	0	0
Tennessee	2,345	3,080	-24.0%	2,313	3,047	0	0	0	0	33	33
West South Central	16,584	21,796	-24.0%	8,154	10,728	8,405	11,049	0	0	NM	NM
Arkansas	2,074	2,186	-5.1%	1,648	1,924	422	259	0	0	3	3
Louisiana	1,415	2,392	-41.0%	1,035	1,253	379	1,138	0	0	0	0
Oklahoma	1,874	2,778	-33.0%	1,624	2,587	227	174	0	0	NM	NM
Texas	11,222	14,441	-22.0%	3,847	4,964	7,376	9,477	0	0	0	0
Mountain	15,510	16,720	-7.2%	13,533	14,823	1,937	1,856	0	0	39	41
Arizona	2,562	3,008	-15.0%	2,562	3,008	0	0	0	0	0	0
Colorado	2,741	3,062	-10.0%	2,738	3,060	NM	NM	0	0	NM	NM
Idaho	3	3	-13.0%	0	0	0	0	0	0	3	3
Montana	1,779	1,696	4.9%	NM	NM	1,731	1,648	0	0	NM	1
Nevada	176	221	-20.0%	97	140	79	81	0	0	0	0
New Mexico	1,667	1,766	-5.6%	1,667	1,766	0	0	0	0	0	0
Utah	2,191	2,591	-15.0%	2,152	2,545	NM	NM	0	0	0	0
Wyoming	4,392	4,374	0.4%	4,271	4,259	85	78	0	0	36	37
Pacific Contiguous	454	412	10.0%	185	14	255	386	0	0	14	13
California	13	13	0.8%	0	0	0	NM	0	0	13	12
Oregon	185	14	NM	185	14	0	0	0	0	0	0
Washington	256	386	-34.0%	0	0	255	385	0	0	2	1
Pacific Noncontiguous	237	196	21.0%	71	43	156	143	7	8	NM	NM
Alaska	114	85	33.0%	71	43	35	35	7	8	0	0
Hawaii	123	111	11.0%	0	0	121	109	0	0	NM	NM
U.S. Total	112,800	138,359	-18.0%	84,143	100,125	28,014	37,502	27	36	616	696

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

Table 2.9.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, February 2016 and February 2015 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	181	2,393	-92.0%	NM	244	168	2,065	NM	47	NM	36
Connecticut	11	544	-98.0%	NM	NM	10	535	NM	NM	NM	NM
Maine	93	560	-83.0%	NM	NM	91	523	NM	NM	NM	35
Massachusetts	69	955	-93.0%	1	76	65	855	NM	NM	NM	NM
New Hampshire	NM	221	NM	NM	163	NM	53	NM	NM	NM	NM
Rhode Island	NM	104	NM	1	NM	1	99	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	432	2,754	-84.0%	160	811	265	1,911	NM	NM	NM	NM
New Jersey	51	318	-84.0%	NM	NM	51	317	NM	NM	NM	NM
New York	333	1,886	-82.0%	159	809	170	1,048	NM	NM	NM	11
Pennsylvania	48	550	-91.0%	NM	NM	45	546	NM	NM	NM	NM
East North Central	91	110	-17.0%	64	79	24	27	NM	NM	2	NM
Illinois	15	NM	NM	4	NM	11	NM	NM	NM	NM	NM
Indiana	18	44	-59.0%	17	42	NM	NM	NM	NM	1	2
Michigan	17	15	8.1%	16	15	0	0	0	NM	NM	0
Ohio	31	33	-7.4%	19	11	11	22	NM	NM	1	NM
Wisconsin	NM	7	NM	NM	6	2	NM	NM	NM	NM	NM
West North Central	54	50	7.5%	52	44	NM	NM	NM	NM	NM	NM
Iowa	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Kansas	6	11	-42.0%	6	11	0	0	0	0	0	0
Minnesota	NM	12	NM	NM	6	NM	NM	NM	NM	NM	NM
Missouri	17	15	9.8%	17	15	NM	NM	NM	NM	0	0
Nebraska	NM	4	NM	NM	4	0	0	0	0	0	0
North Dakota	NM	4	NM	NM	4	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	363	2,166	-83.0%	241	1,500	103	532	NM	95	19	39
Delaware	37	153	-75.0%	NM	NM	37	150	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	24	124	-81.0%	21	118	NM	NM	0	0	2	4
Georgia	20	107	-81.0%	10	31	NM	47	NM	NM	10	29
Maryland	55	236	-77.0%	NM	NM	53	139	NM	94	0	NM
North Carolina	78	376	-79.0%	76	350	NM	22	NM	NM	NM	3
South Carolina	35	176	-80.0%	30	167	NM	7	NM	NM	5	2
Virginia	100	965	-90.0%	89	817	11	145	NM	NM	NM	1
West Virginia	12	29	-57.0%	12	11	0	18	0	0	0	0
East South Central	40	112	-64.0%	37	84	NM	19	NM	NM	3	8
Alabama	7	38	-80.0%	5	12	NM	19	0	0	NM	7
Kentucky	17	NM	NM	17	NM	0	0	0	0	0	0
Mississippi	2	4	-38.0%	2	NM	0	0	0	0	0	0
Tennessee	14	38	-64.0%	13	37	NM	NM	NM	NM	NM	NM
West South Central	17	36	-52.0%	10	15	6	19	NM	NM	NM	NM
Arkansas	2	8	-80.0%	1	8	0	0	0	0	0	0
Louisiana	4	7	-43.0%	2	2	2	5	0	0	0	0
Oklahoma	NM	NM	NM	0	NM	0	0	NM	NM	NM	NM
Texas	11	20	-46.0%	6	6	5	NM	NM	NM	NM	NM
Mountain	NM	40	NM	NM	38	2	NM	NM	NM	NM	0
Arizona	NM	10	NM	NM	10	0	0	NM	NM	0	0
Colorado	NM	3	NM	NM	3	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	2	NM	NM	NM	2	1	0	0	0	0
Nevada	1	NM	NM	1	3	0	NM	0	0	0	0
New Mexico	NM	13	NM	NM	13	0	0	0	0	NM	NM
Utah	NM	NM	NM	3	NM	NM	NM	0	0	NM	NM
Wyoming	7	7	-13.0%	6	7	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	NM	NM	NM	NM	NM	NM	2	1
California	NM	NM	NM	NM	4	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	0	0	0	0	NM	NM	0	0
Washington	NM	NM	NM	NM	NM	NM	NM	NM	NM	1	1
Pacific Noncontiguous	911	1,056	-14.0%	829	847	60	192	1	NM	NM	16
Alaska	122	107	14.0%	115	99	0	0	NM	NM	6	NM
Hawaii	789	949	-17.0%	714	748	60	192	1	1	NM	8
U.S. Total	2,129	8,725	-76.0%	1,435	3,668	629	4,774	14	164	NM	119

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

Table 2.9.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	291	2,830	-90.0%	23	260	256	2,470	9	61	3	40
Connecticut	30	579	-95.0%	2	NM	26	568	NM	NM	NM	NM
Maine	135	755	-82.0%	NM	NM	132	714	NM	NM	2	38
Massachusetts	107	1,119	-90.0%	13	78	91	1,011	NM	NM	NM	NM
New Hampshire	6	247	-98.0%	4	173	NM	67	NM	NM	NM	NM
Rhode Island	11	118	-90.0%	3	NM	7	110	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	687	3,518	-80.0%	253	1,176	410	2,285	8	27	16	30
New Jersey	69	403	-83.0%	NM	NM	69	400	NM	NM	NM	NM
New York	508	2,458	-79.0%	253	1,174	239	1,234	7	26	10	24
Pennsylvania	109	658	-83.0%	NM	NM	102	651	NM	NM	5	NM
East North Central	188	215	-13.0%	132	153	50	54	1	NM	5	6
Illinois	30	18	66.0%	8	NM	22	10	1	NM	NM	NM
Indiana	41	70	-42.0%	38	65	NM	NM	NM	NM	3	4
Michigan	39	32	23.0%	38	31	0	0	0	NM	1	0
Ohio	61	73	-16.0%	35	28	26	43	NM	NM	1	NM
Wisconsin	NM	22	NM	NM	21	2	NM	NM	NM	NM	NM
West North Central	95	111	-15.0%	88	101	NM	NM	2	2	0	NM
Iowa	20	11	84.0%	20	11	NM	NM	NM	NM	NM	NM
Kansas	14	26	-47.0%	14	26	0	0	0	0	0	0
Minnesota	NM	19	NM	NM	9	NM	NM	2	2	0	NM
Missouri	28	37	-25.0%	28	37	NM	NM	NM	NM	0	0
Nebraska	NM	8	NM	NM	8	0	0	0	0	0	0
North Dakota	NM	8	NM	NM	8	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	1,107	2,964	-63.0%	750	2,045	315	722	NM	125	41	72
Delaware	66	203	-67.0%	NM	NM	65	199	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	94	284	-67.0%	88	275	NM	NM	0	0	4	6
Georgia	92	202	-54.0%	32	66	33	82	NM	NM	27	54
Maryland	131	321	-59.0%	4	NM	126	192	NM	124	1	NM
North Carolina	193	528	-64.0%	140	489	51	36	NM	NM	NM	4
South Carolina	90	244	-63.0%	81	226	NM	14	NM	NM	7	4
Virginia	412	1,132	-64.0%	375	953	36	177	NM	NM	NM	2
West Virginia	30	48	-39.0%	29	29	0	19	0	0	0	0
East South Central	114	182	-37.0%	97	144	11	26	NM	NM	7	12
Alabama	31	68	-55.0%	14	31	10	26	0	0	6	11
Kentucky	33	50	-33.0%	33	50	0	0	0	0	0	0
Mississippi	11	7	53.0%	10	7	0	0	0	0	0	0
Tennessee	39	57	-32.0%	38	56	NM	NM	NM	NM	NM	NM
West South Central	48	84	-43.0%	35	42	11	40	NM	NM	NM	NM
Arkansas	13	19	-31.0%	12	13	1	6	0	0	1	1
Louisiana	9	29	-70.0%	5	16	3	13	0	0	0	0
Oklahoma	4	NM	NM	4	NM	0	0	NM	NM	NM	NM
Texas	21	35	-39.0%	14	13	7	21	NM	NM	NM	NM
Mountain	67	82	-18.0%	60	77	6	NM	NM	NM	NM	1
Arizona	9	21	-59.0%	9	21	0	0	NM	NM	0	0
Colorado	NM	6	NM	NM	6	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	6	NM	NM	NM	5	2	0	0	0	0
Nevada	3	NM	NM	2	6	1	NM	0	0	0	0
New Mexico	NM	24	NM	NM	24	0	0	0	0	NM	NM
Utah	NM	NM	NM	5	3	NM	NM	0	0	NM	NM
Wyoming	13	14	-11.0%	12	14	0	0	0	0	1	1
Pacific Contiguous	19	23	-15.0%	NM	11	NM	NM	NM	NM	3	3
California	NM	18	NM	NM	9	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	0	0	0	0	NM	NM	0	0
Washington	5	5	-1.1%	NM	NM	1	NM	NM	NM	2	3
Pacific Noncontiguous	1,894	2,073	-8.6%	1,699	1,755	154	278	3	2	NM	39
Alaska	252	237	6.0%	235	220	0	0	NM	NM	16	16
Hawaii	1,643	1,836	-11.0%	1,465	1,535	154	278	2	1	NM	22
U.S. Total	4,509	12,082	-63.0%	3,148	5,765	1,221	5,894	25	219	115	204

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

Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	5	NM	0	0	0	0	0	0	NM	5
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	4	NM	0	0	0	0	0	0	NM	4
East North Central	101	127	-20.0%	73	78	25	42	0	0	3	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	50	48	4.4%	50	48	0	0	0	0	0	0
Michigan	24	34	-31.0%	21	28	0	2	0	0	2	4
Ohio	25	41	-38.0%	0	0	25	41	0	0	0	0
Wisconsin	3	5	-45.0%	1	2	0	0	0	0	1	3
West North Central	2	3	-22.0%	0	0	0	0	0	0	NM	3
Iowa	2	3	-22.0%	0	0	0	0	0	0	NM	3
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	46	62	-25.0%	44	59	0	0	0	0	2	3
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	44	59	-24.0%	44	59	0	0	0	0	0	0
Georgia	2	3	-31.0%	0	0	0	0	0	0	2	3
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	33	41	-19.0%	33	41	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	33	41	-19.0%	33	41	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	130	167	-22.0%	121	153	0	0	0	0	9	14
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	126	159	-21.0%	121	153	0	0	0	0	5	5
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	4	8	-51.0%	0	0	0	0	0	0	4	8
Mountain	14	14	-0.8%	0	0	14	14	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	14	14	-0.8%	0	0	14	14	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	NM	NM	0	0	0	NM	0	0	0	0
California	0	NM	NM	0	0	0	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	331	419	-21.0%	272	332	39	57	0	0	19	31

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

Table 2.10.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	NM	9	NM	0	0	0	0	0	0	NM	9
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	8	NM	0	0	0	0	0	0	NM	8
East North Central	166	245	-32.0%	131	150	27	83	0	0	8	12
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	107	88	21.0%	107	88	0	0	0	0	0	0
Michigan	28	68	-59.0%	22	58	1	3	0	0	5	7
Ohio	26	80	-68.0%	0	0	25	80	0	0	0	0
Wisconsin	5	8	-39.0%	2	3	0	0	0	0	3	5
West North Central	6	6	7.8%	0	0	0	0	1	1	6	5
Iowa	6	6	7.8%	0	0	0	0	1	1	6	5
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	120	111	8.4%	116	105	0	0	0	0	4	6
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	116	105	11.0%	116	105	0	0	0	0	0	0
Georgia	4	6	-30.0%	0	0	0	0	0	0	4	6
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	54	82	-34.0%	54	82	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	54	82	-34.0%	54	82	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	294	336	-12.0%	273	307	0	0	0	0	21	29
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	285	317	-10.0%	273	307	0	0	0	0	11	10
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	10	19	-49.0%	0	0	0	0	0	0	10	19
Mountain	30	30	-1.0%	0	0	30	30	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	30	30	-1.0%	0	0	30	30	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	NM	NM	0	0	0	NM	0	0	0	0
California	0	NM	NM	0	0	0	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	677	819	-17.0%	573	644	56	113	1	1	47	61

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

Table 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, February 2016 and February 2015 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	26,417	20,661	28.0%	69	94	24,896	19,275	714	653	737	640
Connecticut	10,350	8,193	26.0%	0	0	9,637	7,526	321	NM	393	NM
Maine	2,140	1,502	42.0%	0	0	1,871	1,294	NM	NM	244	186
Massachusetts	10,184	6,956	46.0%	69	90	9,711	6,504	314	284	NM	NM
New Hampshire	1,169	2,259	-48.0%	0	2	1,145	2,235	NM	NM	NM	NM
Rhode Island	2,574	1,750	47.0%	0	0	2,533	1,716	NM	NM	0	0
Vermont	0	2	-100.0%	0	2	0	0	0	0	0	0
Middle Atlantic	85,735	72,384	18.0%	8,232	7,313	75,623	63,400	872	780	1,008	891
New Jersey	20,692	17,434	19.0%	NM	NM	20,220	16,991	NM	NM	283	NM
New York	29,501	28,861	2.2%	8,162	7,243	20,561	20,948	635	556	144	114
Pennsylvania	35,542	26,090	36.0%	NM	NM	34,843	25,461	NM	NM	581	512
East North Central	68,008	61,155	11.0%	29,354	27,370	35,565	31,139	1,368	1,226	1,720	1,420
Illinois	9,484	6,201	53.0%	440	NM	8,078	4,956	732	740	235	211
Indiana	11,445	12,850	-11.0%	8,561	10,131	2,495	2,314	83	69	306	336
Michigan	17,709	14,066	26.0%	5,328	3,172	10,987	9,873	365	271	1,029	751
Ohio	19,279	19,540	-1.3%	5,473	5,936	13,688	13,480	NM	NM	NM	NM
Wisconsin	10,091	8,498	19.0%	9,553	7,839	318	516	90	63	131	80
West North Central	11,502	9,695	19.0%	9,458	8,806	1,542	515	321	206	182	168
Iowa	1,673	1,414	18.0%	1,542	1,309	0	NM	NM	NM	NM	NM
Kansas	603	993	-39.0%	558	947	0	0	0	0	NM	47
Minnesota	5,454	3,597	52.0%	4,451	3,077	750	315	NM	NM	NM	46
Missouri	2,658	2,924	-9.1%	1,813	2,720	792	201	49	0	NM	NM
Nebraska	118	NM	NM	112	NM	0	0	NM	NM	NM	NM
North Dakota	372	NM	NM	358	NM	0	0	0	0	NM	NM
South Dakota	625	495	26.0%	625	495	0	0	0	0	0	0
South Atlantic	167,457	150,327	11.0%	136,722	122,851	28,288	24,938	511	482	1,936	2,056
Delaware	3,042	2,452	24.0%	NM	NM	2,304	1,561	0	0	707	858
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	80,053	74,566	7.4%	74,320	70,027	5,012	3,794	NM	NM	711	732
Georgia	25,870	26,213	-1.3%	18,191	17,529	7,414	8,433	0	0	265	251
Maryland	2,687	1,705	58.0%	0	0	2,228	1,279	427	NM	32	NM
North Carolina	24,858	20,143	23.0%	22,624	18,167	2,182	1,905	5	1	48	69
South Carolina	7,758	7,044	10.0%	6,509	5,803	1,215	1,225	NM	NM	31	NM
Virginia	22,897	17,717	29.0%	15,033	11,098	7,724	6,505	NM	NM	134	110
West Virginia	232	431	-46.0%	15	193	208	236	0	0	9	NM
East South Central	70,121	75,521	-7.2%	45,597	47,895	23,295	26,376	NM	NM	1,123	1,153
Alabama	29,822	32,105	-7.1%	9,732	9,883	19,378	21,456	0	0	711	766
Kentucky	3,879	5,691	-32.0%	3,718	5,355	20	205	0	0	140	NM
Mississippi	29,924	30,713	-2.6%	25,830	25,808	3,892	4,710	NM	NM	194	186
Tennessee	6,496	7,013	-7.4%	6,316	6,850	NM	NM	NM	NM	78	69
West South Central	178,143	193,422	-7.9%	55,815	59,802	84,059	98,058	600	572	37,668	34,990
Arkansas	5,394	11,871	-55.0%	3,078	3,161	2,154	8,517	NM	NM	160	191
Louisiana	41,727	37,179	12.0%	19,847	20,645	4,375	1,075	NM	NM	17,349	15,312
Oklahoma	16,105	20,766	-22.0%	12,043	14,775	3,984	5,917	0	0	78	75
Texas	114,917	123,606	-7.0%	20,848	21,221	73,546	82,550	442	422	20,081	19,413
Mountain	46,890	37,368	25.0%	36,301	27,273	9,541	9,157	NM	NM	825	678
Arizona	12,661	8,719	45.0%	8,623	5,012	3,961	3,622	NM	NM	0	0
Colorado	6,175	5,365	15.0%	5,088	3,586	1,068	1,765	0	0	NM	NM
Idaho	2,447	424	477.0%	1,323	NM	1,022	369	0	0	102	41
Montana	732	NM	NM	680	NM	NM	NM	0	0	0	0
Nevada	14,241	12,942	10.0%	13,272	11,848	808	966	NM	NM	NM	NM
New Mexico	5,915	5,469	8.2%	3,424	3,179	2,401	2,208	NM	NM	NM	NM
Utah	4,344	3,716	17.0%	3,849	3,223	NM	NM	NM	NM	214	245
Wyoming	374	311	20.0%	NM	NM	NM	NM	0	0	331	283
Pacific Contiguous	65,814	54,633	20.0%	28,983	22,727	31,725	26,166	866	922	4,240	4,818
California	49,582	49,257	0.7%	19,474	19,995	25,195	23,646	760	851	4,153	4,765
Oregon	9,358	3,523	166.0%	3,396	1,157	5,826	2,270	NM	NM	35	31
Washington	6,875	1,853	271.0%	6,113	1,575	704	250	NM	NM	51	21
Pacific Noncontiguous	2,104	2,454	-14.0%	1,992	2,367	0	0	NM	NM	NM	NM
Alaska	2,104	2,454	-14.0%	1,992	2,367	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	722,190	677,621	6.6%	352,524	326,498	314,536	299,026	5,583	5,199	49,547	46,898

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

Table 2.11.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	55,016	47,683	15.0%	88	157	51,969	44,753	1,417	1,429	1,542	1,344
Connecticut	21,598	19,610	10.0%	0	0	20,064	18,211	689	630	845	769
Maine	4,845	3,602	34.0%	0	0	4,301	3,165	NM	NM	491	392
Massachusetts	20,121	14,615	38.0%	87	148	19,288	13,649	562	655	184	163
New Hampshire	3,393	5,906	-43.0%	0	2	3,341	5,857	NM	NM	NM	NM
Rhode Island	5,059	3,944	28.0%	0	0	4,975	3,872	NM	NM	0	0
Vermont	0	7	-97.0%	0	7	0	0	0	0	0	0
Middle Atlantic	179,038	158,435	13.0%	16,986	17,355	158,087	137,544	1,847	1,683	2,117	1,853
New Jersey	43,951	36,414	21.0%	NM	NM	42,942	35,494	271	244	611	556
New York	63,764	63,346	0.7%	16,845	17,221	45,285	44,668	1,340	1,215	293	243
Pennsylvania	71,323	58,675	22.0%	NM	NM	69,860	57,382	NM	NM	1,212	1,054
East North Central	136,675	119,343	15.0%	58,468	51,901	71,910	61,951	2,802	2,597	3,495	2,894
Illinois	18,370	12,868	43.0%	654	NM	15,722	10,439	1,491	1,563	503	450
Indiana	24,330	23,503	3.5%	18,650	18,386	4,830	4,306	169	130	680	681
Michigan	34,818	27,876	25.0%	9,281	6,612	22,785	19,153	763	593	1,989	1,518
Ohio	39,102	38,950	0.4%	10,861	11,381	27,993	27,307	NM	NM	48	84
Wisconsin	20,055	16,147	24.0%	19,022	15,107	580	745	178	133	275	162
West North Central	23,173	17,769	30.0%	19,306	16,191	2,823	818	625	428	419	332
Iowa	3,505	2,876	22.0%	3,242	2,663	0	NM	NM	NM	NM	NM
Kansas	1,396	1,522	-8.2%	1,282	1,429	0	0	0	0	115	92
Minnesota	11,049	6,133	80.0%	9,183	5,266	1,345	444	416	334	104	88
Missouri	5,104	5,563	-8.2%	3,532	5,182	1,478	374	87	1	NM	NM
Nebraska	233	265	-12.0%	208	258	0	0	NM	NM	NM	NM
North Dakota	726	399	82.0%	698	NM	0	0	0	0	NM	NM
South Dakota	1,160	1,012	15.0%	1,160	1,012	0	0	0	0	0	0
South Atlantic	344,726	314,288	9.7%	283,831	259,956	55,613	48,983	1,096	998	4,187	4,351
Delaware	6,046	6,512	-7.2%	NM	NM	4,407	4,575	0	0	1,579	1,881
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	167,446	156,208	7.2%	156,357	147,722	9,560	6,962	NM	NM	1,504	1,499
Georgia	54,704	55,742	-1.9%	38,586	37,826	15,562	17,384	0	0	556	532
Maryland	4,348	3,162	38.0%	0	0	3,363	2,274	916	843	69	NM
North Carolina	48,208	42,200	14.0%	43,622	38,072	4,467	3,994	9	1	110	131
South Carolina	17,242	14,194	21.0%	15,251	12,255	1,915	1,905	NM	NM	69	29
Virginia	46,158	35,467	30.0%	29,882	23,750	15,983	11,477	NM	NM	281	229
West Virginia	447	689	-35.0%	74	273	355	412	0	0	19	NM
East South Central	147,924	145,884	1.4%	94,021	88,454	51,362	54,806	NM	NM	2,318	2,421
Alabama	64,358	68,390	-5.9%	21,080	20,587	41,829	46,185	0	0	1,449	1,618
Kentucky	9,557	8,119	18.0%	8,905	7,460	340	381	0	0	312	279
Mississippi	60,973	57,465	6.1%	51,378	48,833	9,182	8,230	NM	NM	396	386
Tennessee	13,036	11,909	9.5%	12,659	11,575	NM	NM	NM	NM	161	139
West South Central	386,372	402,829	-4.1%	122,115	116,903	186,591	207,548	1,216	1,214	76,450	77,164
Arkansas	13,514	21,271	-36.0%	7,814	4,882	5,338	15,991	NM	NM	357	393
Louisiana	87,196	77,304	13.0%	42,662	41,060	8,931	2,103	NM	317	35,287	33,823
Oklahoma	37,932	41,498	-8.6%	27,152	29,067	10,620	12,285	0	0	160	145
Texas	247,731	262,756	-5.7%	44,487	41,893	161,702	177,168	896	893	40,646	42,802
Mountain	103,720	82,100	26.0%	79,347	59,023	22,019	20,964	556	584	1,798	1,529
Arizona	28,044	20,187	39.0%	18,555	10,583	9,304	9,412	NM	NM	0	0
Colorado	13,981	11,694	20.0%	11,254	8,350	2,692	3,310	0	0	NM	NM
Idaho	5,359	2,682	100.0%	2,825	1,442	2,339	1,160	0	0	195	80
Montana	1,548	978	58.0%	1,439	908	NM	NM	0	0	0	0
Nevada	31,869	25,741	24.0%	29,511	23,305	1,975	2,104	NM	NM	NM	NM
New Mexico	12,696	12,041	5.4%	7,463	7,394	5,016	4,447	NM	NM	NM	NM
Utah	9,452	8,125	16.0%	8,231	6,991	NM	NM	NM	NM	520	555
Wyoming	769	651	18.0%	NM	NM	NM	NM	0	0	687	588
Pacific Contiguous	149,468	131,734	13.0%	62,959	53,707	74,237	65,986	2,084	2,092	10,189	9,950
California	113,532	113,688	-0.1%	41,613	43,293	60,090	58,637	1,874	1,937	9,955	9,820
Oregon	19,814	11,662	70.0%	7,261	4,695	12,237	6,760	NM	NM	121	64
Washington	16,122	6,384	153.0%	14,085	5,718	1,910	589	NM	NM	113	65
Pacific Noncontiguous	4,496	5,493	-18.0%	4,275	5,312	0	0	NM	NM	NM	NM
Alaska	4,496	5,493	-18.0%	4,275	5,312	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,530,608	1,425,559	7.4%	741,397	668,959	674,611	643,352	11,874	11,232	102,725	102,016

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

Table 2.12.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, February 2016 and February 2015 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	1,049	1,020	2.8%	0	0	987	949	NM	NM	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	77	NM	0	0	NM	77	0	0	0	0
Massachusetts	387	369	5.0%	0	0	387	369	0	0	0	0
New Hampshire	159	163	-2.9%	0	0	97	93	NM	NM	0	0
Rhode Island	329	323	1.9%	0	0	329	323	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	5,142	4,809	6.9%	0	0	4,968	4,613	NM	NM	108	114
New Jersey	918	912	0.7%	0	0	875	860	NM	NM	0	0
New York	1,641	1,562	5.0%	0	0	1,641	1,562	0	0	0	0
Pennsylvania	2,583	2,335	11.0%	0	0	2,452	2,191	NM	NM	108	114
East North Central	6,214	6,078	2.2%	695	675	5,419	5,299	NM	NM	NM	NM
Illinois	1,369	1,425	-3.9%	0	0	1,369	1,425	0	0	0	0
Indiana	716	683	4.8%	680	647	NM	NM	0	0	NM	NM
Michigan	1,970	1,873	5.2%	0	0	1,970	1,873	0	0	0	0
Ohio	1,005	970	3.6%	0	NM	1,005	956	0	0	0	0
Wisconsin	1,155	1,128	2.3%	NM	NM	1,061	1,032	NM	NM	NM	NM
West North Central	1,028	954	7.8%	322	281	706	673	0	0	0	0
Iowa	245	233	5.0%	0	0	245	233	0	0	0	0
Kansas	144	137	5.0%	0	0	144	137	0	0	0	0
Minnesota	351	334	5.2%	NM	75	271	258	0	0	0	0
Missouri	145	137	5.9%	98	92	NM	NM	0	0	0	0
Nebraska	144	114	27.0%	144	114	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	4,390	4,357	0.7%	473	441	3,417	3,274	253	354	246	287
Delaware	153	151	1.4%	0	0	128	122	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	633	615	3.0%	154	NM	479	476	0	0	0	0
Georgia	351	406	-13.0%	0	0	293	279	0	NM	NM	NM
Maryland	253	248	1.9%	0	0	177	168	NM	NM	0	0
North Carolina	1,086	1,080	0.5%	0	0	935	894	NM	NM	0	0
South Carolina	509	516	-1.3%	311	296	NM	NM	0	0	NM	NM
Virginia	1,393	1,331	4.7%	NM	NM	1,358	1,292	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	500	476	5.1%	204	194	296	282	0	0	0	0
Alabama	91	86	5.0%	0	0	91	86	0	0	0	0
Kentucky	216	205	5.1%	204	194	NM	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	170	161	5.1%	0	0	170	161	0	0	0	0
West South Central	1,536	1,465	4.8%	0	0	1,484	1,412	NM	NM	0	0
Arkansas	155	148	4.9%	0	0	155	148	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	NM	NM	0	0	NM	NM	0	0	0	0
Texas	1,344	1,283	4.8%	0	0	1,293	1,230	NM	NM	0	0
Mountain	430	469	-8.1%	NM	77	411	391	0	0	0	0
Arizona	85	140	-39.0%	0	59	85	81	0	0	0	0
Colorado	102	97	5.0%	0	0	102	97	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	137	130	4.9%	0	0	137	130	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,382	5,397	-0.3%	741	685	3,059	2,977	1,582	1,735	0	0
California	4,339	4,394	-1.2%	267	232	2,541	2,483	1,532	1,678	0	0
Oregon	576	557	3.3%	126	120	400	381	NM	NM	0	0
Washington	467	445	5.0%	348	332	119	113	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	25,794	25,187	2.4%	2,456	2,354	20,747	19,871	2,181	2,499	410	462

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

Table 2.12.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	2,219	2,206	0.6%	0	0	2,083	2,051	136	155	0	0
Connecticut	95	93	3.2%	0	0	95	93	0	0	0	0
Maine	170	165	3.3%	0	0	170	165	0	0	0	0
Massachusetts	817	790	3.4%	0	0	817	790	0	0	0	0
New Hampshire	342	354	-3.6%	0	0	205	199	136	155	0	0
Rhode Island	694	708	-1.9%	0	0	694	708	0	0	0	0
Vermont	100	97	3.5%	0	0	100	97	0	0	0	0
Middle Atlantic	10,743	10,373	3.6%	0	0	10,368	9,956	NM	NM	232	248
New Jersey	1,944	1,951	-0.4%	0	0	1,851	1,843	NM	NM	0	0
New York	3,462	3,347	3.4%	0	0	3,462	3,347	0	0	0	0
Pennsylvania	5,338	5,075	5.2%	0	0	5,055	4,767	NM	NM	232	248
East North Central	13,131	13,022	0.8%	1,481	1,449	11,441	11,359	NM	NM	NM	NM
Illinois	2,887	3,055	-5.5%	0	0	2,887	3,055	0	0	0	0
Indiana	1,509	1,461	3.3%	1,434	1,387	NM	NM	0	0	NM	NM
Michigan	4,154	4,011	3.6%	0	0	4,154	4,011	0	0	0	0
Ohio	2,134	2,080	2.6%	NM	30	2,119	2,050	0	0	0	0
Wisconsin	2,447	2,415	1.3%	NM	NM	2,250	2,213	NM	NM	NM	NM
West North Central	2,154	2,048	5.2%	664	607	1,491	1,440	0	0	0	0
Iowa	516	499	3.5%	0	0	516	499	0	0	0	0
Kansas	304	294	3.5%	0	0	304	294	0	0	0	0
Minnesota	739	716	3.2%	167	163	572	553	0	0	0	0
Missouri	303	296	2.3%	205	201	98	94	0	0	0	0
Nebraska	292	243	20.0%	292	243	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	9,184	9,315	-1.4%	905	972	7,207	6,987	545	747	527	610
Delaware	327	326	0.2%	0	0	270	261	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,246	1,307	-4.6%	234	320	1,012	987	0	0	0	0
Georgia	743	866	-14.0%	0	0	619	598	0	NM	NM	NM
Maryland	531	537	-1.2%	0	0	373	362	NM	NM	0	0
North Carolina	2,306	2,298	0.3%	0	0	1,975	1,914	330	384	0	0
South Carolina	1,074	1,105	-2.8%	655	636	NM	71	0	0	346	398
Virginia	2,935	2,855	2.8%	NM	NM	2,862	2,772	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	1,054	1,019	3.4%	429	415	624	604	0	0	0	0
Alabama	192	185	3.4%	0	0	192	185	0	0	0	0
Kentucky	455	440	3.3%	429	415	NM	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	357	346	3.4%	0	0	357	346	0	0	0	0
West South Central	3,238	3,135	3.3%	0	0	3,130	3,026	NM	NM	0	0
Arkansas	327	316	3.6%	0	0	327	316	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	75	NM	0	0	NM	75	0	0	0	0
Texas	2,833	2,744	3.3%	0	0	2,726	2,635	NM	NM	0	0
Mountain	977	1,004	-2.7%	110	167	867	837	0	0	0	0
Arizona	248	299	-17.0%	NM	126	179	173	0	0	0	0
Colorado	215	207	3.5%	0	0	215	207	0	0	0	0
Idaho	119	116	3.0%	NM	NM	NM	75	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	106	103	3.5%	0	0	106	103	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	288	278	3.6%	0	0	288	278	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11,412	11,689	-2.4%	1,545	1,487	6,497	6,396	3,369	3,806	0	0
California	9,210	9,544	-3.5%	543	519	5,403	5,339	3,264	3,685	0	0
Oregon	1,216	1,193	1.9%	266	258	844	815	NM	NM	0	0
Washington	986	952	3.5%	736	710	250	242	0	0	0	0
Pacific Noncontiguous	271	331	-18.0%	0	0	0	0	271	331	0	0
Alaska	271	331	-18.0%	0	0	0	0	271	331	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	54,382	54,141	0.4%	5,135	5,097	43,707	42,656	4,660	5,402	879	987

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

Table 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	285	277	2.8%	0	0	271	259	13	18	0	0
Connecticut	100	98	1.8%	0	0	100	93	0	NM	0	0
Maine	21	20	1.8%	0	0	7	7	13	14	0	0
Massachusetts	156	151	3.3%	0	0	156	151	0	0	0	0
New Hampshire	8	8	7.3%	0	0	8	8	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	387	354	9.4%	0	0	310	276	77	78	0	0
New Jersey	102	91	12.0%	0	0	74	64	28	27	0	0
New York	134	135	-1.0%	0	0	101	102	33	34	0	0
Pennsylvania	151	128	18.0%	0	0	135	110	16	18	0	0
East North Central	19	16	19.0%	3	3	0	0	16	13	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-9.3%	0	0	0	0	1	1	0	0
Michigan	16	13	23.0%	0	0	0	0	16	13	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	7.2%	3	3	0	0	0	0	0	0
West North Central	41	37	10.0%	24	22	15	14	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	41	37	10.0%	24	22	15	14	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	423	366	16.0%	56	0	341	340	26	26	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	299	239	25.0%	56	0	242	239	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	57	54	4.9%	0	0	57	54	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	68	73	-6.7%	0	0	42	47	26	26	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	1	12.0%	0	0	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	1	12.0%	0	0	0	0	0	0	1	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	NM	NM	0	0	NM	NM	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	35	56	-37.0%	0	0	35	56	0	0	0	0
California	17	39	-57.0%	0	0	17	39	0	0	0	0
Oregon	7	6	7.4%	0	0	7	6	0	0	0	0
Washington	11	11	7.5%	0	0	11	11	0	0	0	0
Pacific Noncontiguous	19	30	-37.0%	0	0	0	0	19	30	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	19	30	-37.0%	0	0	0	0	19	30	0	0
U.S. Total	1,210	1,137	6.4%	83	24	972	944	154	168	1	1

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

Table 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	590	583	1.2%	0	0	562	542	28	41	0	0
Connecticut	208	206	1.2%	0	0	208	195	0	11	0	0
Maine	43	44	-3.9%	0	0	15	15	28	30	0	0
Massachusetts	321	316	1.8%	0	0	321	316	0	0	0	0
New Hampshire	18	17	4.5%	0	0	18	17	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	807	775	4.1%	0	0	643	606	164	169	0	0
New Jersey	213	197	8.2%	0	0	156	140	57	57	0	0
New York	284	292	-2.8%	0	0	216	218	68	74	0	0
Pennsylvania	310	286	8.4%	0	0	271	248	39	38	0	0
East North Central	38	35	8.6%	5	5	0	0	32	30	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-9.0%	0	0	0	0	1	1	0	0
Michigan	31	28	11.0%	0	0	0	0	31	28	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	5	1.1%	5	5	0	0	0	0	0	0
West North Central	90	83	9.1%	56	49	31	30	4	4	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	90	83	9.1%	56	49	31	30	4	4	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	885	783	13.0%	117	0	714	725	54	58	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	623	509	22.0%	117	0	505	509	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	118	114	3.6%	0	0	118	114	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	144	160	-10.0%	0	0	90	102	54	58	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	2	2	17.0%	0	0	0	0	0	0	2	2
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	2	17.0%	0	0	0	0	0	0	2	2
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	-4.0%	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	-4.0%	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	80	109	-26.0%	0	0	80	109	0	0	0	0
California	42	72	-42.0%	0	0	42	72	0	0	0	0
Oregon	15	14	4.5%	0	0	15	14	0	0	0	0
Washington	24	23	4.4%	0	0	24	23	0	0	0	0
Pacific Noncontiguous	51	61	-16.0%	0	0	0	0	51	61	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	51	61	-16.0%	0	0	0	0	51	61	0	0
U.S. Total	2,543	2,430	4.7%	178	55	2,030	2,012	333	362	2	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.
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 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, February 2016 and February 2015 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	5,690	5,568	2.2%	958	848	4,179	3,945	NM	NM	534	748
Connecticut	369	138	167.0%	0	0	369	132	0	NM	0	0
Maine	2,607	2,851	-8.6%	0	0	2,071	2,099	NM	NM	534	748
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	1,931	1,775	8.8%	508	378	1,423	1,397	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	619	639	-3.2%	451	470	NM	NM	NM	NM	0	0
Middle Atlantic	1,305	1,184	10.0%	0	0	736	699	0	0	569	485
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	913	811	13.0%	0	0	736	696	0	0	177	115
Pennsylvania	391	373	4.9%	0	0	0	NM	0	0	391	371
East North Central	2,705	2,904	-6.8%	456	393	1,327	1,461	0	NM	922	1,049
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,491	1,693	-12.0%	0	0	937	1,072	0	1	554	619
Ohio	182	252	-28.0%	0	0	NM	NM	0	0	130	201
Wisconsin	1,031	958	7.6%	456	393	337	338	0	NM	237	228
West North Central	936	930	0.6%	204	194	519	513	38	29	174	195
Iowa	NM	NM	NM	0	0	0	0	NM	NM	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	898	901	-0.4%	204	194	519	513	0	0	174	195
Missouri	38	28	33.0%	0	0	0	0	38	28	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	10,993	10,670	3.0%	1,942	1,627	2,787	3,266	NM	NM	6,246	5,760
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	1,259	1,894	-34.0%	0	0	620	1,269	0	0	639	624
Georgia	3,785	3,205	18.0%	0	0	653	548	0	0	3,133	2,658
Maryland	60	72	-17.0%	0	0	0	0	NM	NM	42	55
North Carolina	1,204	1,249	-3.6%	0	0	779	662	0	0	425	587
South Carolina	2,077	2,005	3.6%	327	322	384	385	0	0	1,367	1,298
Virginia	2,607	2,245	16.0%	1,615	1,305	352	402	0	0	640	538
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	3,131	3,039	3.0%	NM	NM	183	208	0	0	2,937	2,828
Alabama	1,906	1,848	3.1%	NM	NM	183	208	0	0	1,712	1,638
Kentucky	144	155	-7.0%	0	0	0	0	0	0	144	155
Mississippi	689	643	7.1%	0	0	0	0	0	0	689	643
Tennessee	392	392	0.0%	0	0	0	0	0	0	392	392
West South Central	3,296	3,569	-7.6%	0	210	312	350	0	0	2,984	3,008
Arkansas	715	726	-1.4%	0	0	0	0	0	0	715	726
Louisiana	1,578	1,600	-1.3%	0	0	0	0	0	0	1,578	1,600
Oklahoma	94	92	1.9%	0	0	0	0	0	0	94	92
Texas	909	1,151	-21.0%	0	210	312	350	0	0	597	591
Mountain	702	769	-8.7%	0	0	368	379	0	0	334	391
Arizona	248	260	-4.7%	0	0	248	260	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	355	410	-13.0%	0	0	56	54	0	0	300	356
Montana	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	5,918	5,831	1.5%	436	298	4,003	3,944	0	0	1,479	1,589
California	4,086	4,019	1.7%	0	0	3,721	3,660	0	0	364	359
Oregon	546	736	-26.0%	0	0	NM	284	0	0	264	452
Washington	1,287	1,076	20.0%	436	298	0	0	0	0	851	777
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	34,677	34,463	0.6%	4,008	3,571	14,416	14,764	75	75	16,179	16,053

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 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through February 2016 and February 2015 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	11,764	11,401	3.2%	1,954	1,731	8,589	8,044	NM	NM	1,195	1,567
Connecticut	766	364	110.0%	0	0	766	352	0	NM	0	0
Maine	5,235	5,875	-11.0%	0	0	4,033	4,297	NM	NM	1,195	1,567
Massachusetts	NM	344	NM	0	0	NM	344	0	0	0	0
New Hampshire	4,169	3,621	15.0%	1,026	887	3,142	2,735	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,255	1,196	4.9%	927	845	NM	317	NM	NM	0	0
Middle Atlantic	2,605	2,353	11.0%	0	0	1,491	1,352	0	0	1,115	1,001
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	1,781	1,582	13.0%	0	0	1,486	1,345	0	0	295	237
Pennsylvania	824	771	6.8%	0	0	NM	NM	0	0	820	765
East North Central	5,548	5,940	-6.6%	1,002	782	2,659	2,949	NM	3	1,888	2,206
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3,005	3,467	-13.0%	NM	NM	1,874	2,146	0	3	1,131	1,318
Ohio	378	517	-27.0%	0	0	NM	109	0	0	271	408
Wisconsin	2,165	1,956	11.0%	1,001	782	678	695	NM	NM	486	480
West North Central	1,873	1,942	-3.5%	394	390	1,058	1,077	77	59	343	415
Iowa	NM	NM	NM	0	0	0	0	NM	NM	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	1,796	1,883	-4.6%	394	390	1,058	1,077	0	0	343	415
Missouri	76	57	33.0%	0	0	0	0	76	57	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	22,495	22,861	-1.6%	3,997	3,661	5,548	6,552	NM	37	12,913	12,611
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	2,678	4,032	-34.0%	0	0	1,325	2,636	0	0	1,353	1,396
Georgia	7,754	6,967	11.0%	0	0	1,329	1,086	0	0	6,426	5,882
Maryland	118	167	-29.0%	0	0	0	0	NM	37	82	130
North Carolina	2,369	2,623	-9.7%	0	0	1,454	1,376	0	0	915	1,248
South Carolina	4,230	4,259	-0.7%	638	681	786	805	0	0	2,806	2,773
Virginia	5,346	4,812	11.0%	3,360	2,980	655	650	0	0	1,331	1,182
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,397	6,435	-0.6%	NM	NM	353	413	0	0	6,030	6,017
Alabama	3,857	3,946	-2.2%	NM	NM	353	413	0	0	3,490	3,528
Kentucky	313	326	-4.1%	0	0	0	0	0	0	313	326
Mississippi	1,407	1,332	5.7%	0	0	0	0	0	0	1,407	1,332
Tennessee	820	831	-1.3%	0	0	0	0	0	0	820	831
West South Central	6,506	7,022	-7.4%	0	428	312	367	0	0	6,193	6,227
Arkansas	1,370	1,471	-6.8%	0	0	0	0	0	0	1,370	1,471
Louisiana	3,398	3,296	3.1%	0	0	0	0	0	0	3,398	3,296
Oklahoma	192	198	-2.9%	0	0	0	0	0	0	192	198
Texas	1,545	2,057	-25.0%	0	428	312	367	0	0	1,233	1,262
Mountain	1,564	1,651	-5.2%	0	0	817	812	0	0	747	839
Arizona	574	564	1.7%	0	0	574	564	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	792	882	-10.0%	0	0	115	116	0	0	676	766
Montana	NM	NM	NM	0	0	0	0	0	0	NM	NM
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11,699	12,617	-7.3%	908	787	7,845	8,578	0	0	2,945	3,252
California	8,018	8,755	-8.4%	0	0	7,272	7,990	0	0	746	765
Oregon	1,126	1,563	-28.0%	0	0	573	588	0	0	553	975
Washington	2,555	2,299	11.0%	908	787	0	0	0	0	1,646	1,512
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	70,452	72,222	-2.5%	8,270	7,785	28,673	30,145	140	157	33,369	34,135

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, 2006 - February 2016

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
2014	151,548	33,505	827	116,684	22,487	686	34,864	11,018	142
2015	197,128	32,223	1,342	155,759	20,978	1,165	41,370	11,244	177
Year 2014, End of Month Stocks									
January	133,705	27,553	298	108,249	20,649	216	25,456	6,904	83
February	119,904	29,158	277	97,363	20,964	202	22,541	8,195	74
March	118,260	29,197	350	96,029	21,341	282	22,231	7,855	67
April	128,925	29,568	515	103,431	21,583	451	25,494	7,985	64
May	136,921	29,376	458	108,064	21,446	374	28,856	7,930	84
June	133,479	29,738	397	103,948	21,568	343	29,531	8,170	54
July	125,870	29,120	381	97,829	20,967	300	28,041	8,152	81
August	121,369	29,346	388	93,552	21,205	289	27,817	8,141	99
Sept	124,546	29,789	389	96,266	21,338	297	28,280	8,451	92
October	136,964	30,883	510	105,094	21,741	394	31,870	9,142	117
November	142,595	32,829	633	110,221	22,103	502	32,374	10,726	131
December	151,548	33,505	827	116,684	22,487	686	34,864	11,018	142
Year 2015, End of Month Stocks									
January	154,749	32,644	892	119,838	22,006	742	34,911	10,638	150
February	149,765	28,241	850	117,007	20,000	723	32,758	8,241	127
March	155,004	29,106	818	122,327	20,722	698	32,677	8,383	120
April	167,681	28,995	912	131,680	20,637	776	36,001	8,358	136
May	173,436	29,385	999	135,932	20,786	856	37,504	8,599	143
June	167,039	29,435	1,031	132,123	20,737	883	34,916	8,698	149
July	158,596	29,064	1,065	125,879	20,442	909	32,716	8,623	156
August	156,545	28,993	1,029	124,825	20,162	891	31,719	8,831	138
Sept	162,684	30,053	1,102	129,942	20,348	973	32,742	9,706	129
October	176,140	30,994	1,149	140,405	20,353	1,024	35,736	10,641	125
November	189,120	31,894	1,292	150,849	20,680	1,160	38,271	11,214	131
December	197,128	32,223	1,342	155,759	20,978	1,165	41,370	11,244	177
Year 2016, End of Month Stocks									
January	189,073	31,755	1,321	149,028	20,673	1,090	40,045	11,082	231
February	188,975	31,298	1,324	148,654	20,510	1,064	40,321	10,788	259

Notes: See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 and 2016 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, February 2016 and 2015

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	February 2016	February 2015	Percentage Change	February 2016	February 2015	Percentage Change	February 2016	February 2015	Percentage Change
New England	1,722	1,102	56.2%	4,599	3,059	50.3%	0	0	--
Connecticut	W	W	W	1,638	1,062	54.2%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,816	1,145	58.6%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	47	53	-12.6%	0	0	--
Middle Atlantic	W	6,566	W	5,433	4,101	32.5%	W	W	W
New Jersey	905	845	7.1%	696	628	10.8%	0	0	--
New York	W	508	W	3,423	2,473	38.4%	0	0	--
Pennsylvania	W	5,213	W	1,314	1,001	31.3%	W	W	W
East North Central	41,020	31,838	28.8%	1,140	1,174	-2.9%	262	247	6.1%
Illinois	10,914	7,757	40.7%	71	93	-23.1%	0	0	--
Indiana	11,250	9,236	21.8%	107	116	-7.5%	0	W	W
Michigan	5,283	5,413	-2.4%	338	343	-1.6%	W	W	W
Ohio	8,933	5,792	54.2%	397	374	6.0%	W	W	W
Wisconsin	4,640	3,640	27.5%	227	248	-8.6%	W	W	W
West North Central	31,076	21,550	44.2%	1,617	1,784	-9.3%	0	0	--
Iowa	7,047	3,368	109.3%	149	174	-14.4%	0	0	--
Kansas	4,791	3,259	47.0%	679	682	-0.4%	0	0	--
Minnesota	4,593	2,939	56.3%	131	148	-11.5%	0	0	--
Missouri	9,523	7,111	33.9%	401	432	-7.2%	0	0	--
Nebraska	W	2,957	W	175	233	-25.0%	0	0	--
North Dakota	1,663	W	W	35	41	-14.0%	0	0	--
South Dakota	W	W	W	49	75	-35.2%	0	0	--
South Atlantic	33,339	26,489	25.9%	11,694	10,757	8.7%	W	W	W
Delaware	W	W	W	447	220	103.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	6,217	5,448	14.1%	5,276	5,699	-7.4%	114	W	W
Georgia	5,961	5,252	13.5%	853	894	-4.6%	0	0	--
Maryland	1,543	1,279	20.7%	824	734	12.2%	0	0	--
North Carolina	6,975	5,684	22.7%	1,184	981	20.7%	0	0	--
South Carolina	6,018	3,983	51.1%	659	574	14.8%	0	0	--
Virginia	1,855	1,223	51.7%	2,297	1,499	53.2%	0	0	--
West Virginia	W	W	W	154	156	-1.3%	W	W	W
East South Central	17,542	16,819	4.3%	1,994	2,100	-5.1%	W	W	W
Alabama	4,502	4,457	1.0%	394	417	-5.6%	0	0	--
Kentucky	8,001	7,787	2.8%	239	246	-3.0%	W	W	W
Mississippi	1,460	1,578	-7.5%	578	585	-1.2%	0	0	--
Tennessee	3,579	2,998	19.4%	783	851	-8.0%	0	0	--
West South Central	34,536	26,053	32.6%	1,877	2,001	-6.2%	W	W	W
Arkansas	5,272	3,678	43.3%	W	W	W	0	0	--
Louisiana	3,718	3,397	9.4%	403	498	-19.1%	W	W	W
Oklahoma	5,629	3,754	49.9%	W	W	W	0	0	--
Texas	19,917	15,224	30.8%	1,192	1,226	-2.8%	0	0	--
Mountain	21,097	17,215	22.5%	380	437	-13.1%	W	W	W
Arizona	4,719	3,546	33.1%	136	139	-2.1%	0	0	--
Colorado	5,645	4,674	20.8%	108	135	-20.2%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	15	W	W	W	W
Nevada	1,069	1,182	-9.5%	W	W	W	0	0	--
New Mexico	W	W	W	37	54	-31.7%	0	0	--
Utah	3,789	2,907	30.3%	41	44	-5.6%	0	0	--
Wyoming	3,533	3,019	17.0%	32	39	-17.4%	0	0	--
Pacific Contiguous	W	W	W	339	345	-1.8%	0	0	--
California	0	0	--	W	161	W	0	0	--
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	98	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,227	2,482	-10.3%	0	0	--
Alaska	W	W	W	38	220	-82.6%	0	0	--
Hawaii	W	W	W	2,188	2,262	-3.3%	0	0	--
U.S. Total	188,975	149,765	26.2%	31,298	28,241	10.8%	1,324	850	55.7%

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

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:
Electric Power Sector, by Census Divison, February 2016 and 2015

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**February 2016**	**February 2015**	**Percentage Change**	**February 2016**	**February 2015**	**February 2016**	**February 2015**
Coal (Thousand Tons)							
New England	1,722	1,102	56.2%	W	W	W	W
Middle Atlantic	W	6,566	W	0	0	W	6,566
East North Central	41,020	31,838	28.8%	26,316	22,044	14,704	9,794
West North Central	31,076	21,550	44.2%	31,076	21,550	0	0
South Atlantic	33,339	26,489	25.9%	30,711	24,145	2,628	2,344
East South Central	17,542	16,819	4.3%	17,542	16,819	0	0
West South Central	34,536	26,053	32.6%	21,558	15,081	12,978	10,972
Mountain	21,097	17,215	22.5%	W	W	W	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**188,975**	**149,765**	**26.2%**	**148,654**	**117,007**	**40,321**	**32,758**
Petroleum Liquids (Thousand Barrels)							
New England	4,599	3,059	50.3%	659	650	3,940	2,409
Middle Atlantic	5,433	4,101	32.5%	2,044	1,366	3,388	2,735
East North Central	1,140	1,174	-2.9%	857	848	283	326
West North Central	1,617	1,784	-9.3%	1,594	1,758	23	26
South Atlantic	11,694	10,757	8.7%	9,390	8,908	2,303	1,850
East South Central	1,994	2,100	-5.1%	W	W	W	W
West South Central	1,877	2,001	-6.2%	1,383	W	494	W
Mountain	380	437	-13.1%	W	W	W	W
Pacific Contiguous	339	345	-1.8%	234	W	105	W
Pacific Noncontiguous	2,227	2,482	-10.3%	W	W	W	W
U.S. Total	**31,298**	**28,241**	**10.8%**	**20,510**	**20,000**	**10,788**	**8,241**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	262	247	6.1%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	114	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	0	--	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**1,324**	**850**	**55.7%**	**W**	**W**	**W**	**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, 2006 - February 2016

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
2006	67,760	68,408	4,797	140,964
2007	63,964	82,692	4,565	151,221
2008	65,818	91,214	4,556	161,589
2009	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	86,437	93,833	4,846	185,116
2013	73,113	69,720	5,051	147,884
2014	72,771	72,552	6,225	151,548
2015	82,787	109,363	4,979	197,128
Year 2014, End of Month Stocks				
January	63,618	64,709	5,378	133,705
February	56,041	58,418	5,445	119,904
March	55,150	57,657	5,453	118,260
April	60,602	62,266	6,056	128,925
May	63,782	66,827	6,311	136,921
June	62,679	64,378	6,423	133,479
July	60,134	59,514	6,222	125,870
August	60,128	54,787	6,453	121,369
Sept	63,031	55,432	6,082	124,546
October	69,246	61,368	6,350	136,964
November	70,666	66,105	5,824	142,595
December	72,771	72,552	6,225	151,548
Year 2015, End of Month Stocks				
January	70,519	78,678	5,552	154,749
February	64,718	79,751	5,296	149,765
March	65,701	84,359	4,944	155,004
April	71,246	91,239	5,195	167,681
May	74,471	93,858	5,107	173,436
June	73,179	89,141	4,719	167,039
July	68,526	85,284	4,785	158,596
August	68,029	83,995	4,520	156,545
Sept	70,609	87,500	4,575	162,684
October	76,457	95,051	4,633	176,140
November	80,454	103,942	4,724	189,120
December	82,787	109,363	4,979	197,128
Year 2016, End of Month Stocks				
January	78,003	106,385	4,685	189,073
February	77,699	106,696	4,580	188,975

Notes: See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 and 2016 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), 2006 - February 2016

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,906,809	823,222	2.34	45.33	1.29	93.7	123,964	20,413	20.56	124.90	0.46	76.5
2014	16,594,722	854,560	2.37	45.96	1.32	98.0	172,421	28,514	19.87	120.26	0.46	82.3
2015	14,877,850	769,866	2.22	42.99	1.30	101.5	148,763	24,512	11.47	69.74	0.51	75.1
Year 2014												
January	1,319,894	69,313	2.29	43.69	1.25	81.1	27,209	4,554	21.85	130.73	0.43	42.0
February	1,217,895	62,838	2.32	45.04	1.34	80.8	26,164	4,306	21.60	131.42	0.45	124.7
March	1,400,614	71,444	2.36	46.35	1.35	96.8	15,224	2,519	21.94	132.68	0.45	66.7
April	1,339,967	68,102	2.39	46.96	1.33	114.5	8,983	1,487	21.71	131.18	0.42	84.5
May	1,383,924	70,623	2.40	46.93	1.37	107.9	8,655	1,437	21.18	127.58	0.46	77.4
June	1,366,947	70,055	2.38	46.50	1.35	92.5	9,334	1,546	21.41	129.29	0.45	90.4
July	1,431,182	73,973	2.38	45.96	1.27	89.2	8,455	1,399	21.29	128.62	0.50	74.0
August	1,488,018	76,671	2.37	45.95	1.32	92.9	9,182	1,509	20.62	125.46	0.52	77.3
Sept	1,403,234	72,158	2.37	46.16	1.33	102.4	10,222	1,686	19.67	119.51	0.51	92.8
October	1,416,761	72,959	2.31	44.84	1.29	116.8	12,851	2,134	18.49	111.46	0.48	121.4
November	1,372,572	71,000	2.30	44.54	1.29	107.4	17,787	2,959	16.53	99.41	0.43	155.7
December	1,453,713	75,424	2.51	48.34	1.29	108.7	18,356	2,977	13.87	85.54	0.49	155.0
Year 2015												
January	1,398,063	72,404	2.29	44.17	1.29	99.2	13,202	2,182	12.74	77.12	0.57	59.2
February	1,157,768	60,083	2.26	43.55	1.30	87.7	20,151	3,312	12.59	76.71	0.51	35.7
March	1,218,245	62,520	2.26	44.07	1.29	104.5	15,756	2,602	W	W	0.70	125.7
April	1,164,607	59,958	2.23	43.41	1.33	120.1	9,123	1,515	13.17	79.48	0.43	86.2
May	1,209,862	61,852	2.26	44.27	1.35	105.5	11,087	1,828	12.56	76.29	0.45	93.5
June	1,183,203	60,901	2.25	43.80	1.37	86.3	9,793	1,618	13.56	82.09	0.49	81.4
July	1,289,251	67,423	2.21	42.32	1.25	86.1	8,752	1,446	12.57	76.19	0.48	64.0
August	1,375,298	71,012	2.23	43.22	1.30	94.0	9,220	1,542	12.06	72.84	0.47	74.8
Sept	1,341,110	69,499	2.22	42.77	1.30	104.7	14,419	2,366	9.70	59.07	0.49	120.8
October	1,266,451	65,867	2.14	41.24	1.26	119.2	13,158	2,152	9.13	55.82	0.44	121.3
November	1,166,128	60,780	2.15	41.32	1.25	119.4	14,087	2,296	8.94	54.93	0.53	115.6
December	1,107,863	57,567	2.16	41.55	1.29	111.3	10,015	1,653	8.82	53.49	0.42	89.2
Year 2016												
January	1,019,963	53,356	2.12	40.55	1.33	83.8	8,932	1,499	7.92	47.24	0.46	57.2
February	965,792	49,873	2.11	40.88	1.40	95.8	7,927	1,307	6.98	42.32	0.46	55.7
Year to Date												
2014	2,537,790	132,151	2.31	44.33	1.29	81.0	53,373	8,860	21.73	131.07	0.44	62.0
2015	2,555,831	132,487	2.27	43.89	1.29	93.6	33,352	5,494	12.65	76.87	0.53	42.4
2016	1,985,755	103,229	2.12	40.71	1.36	89.2	16,859	2,807	7.48	44.94	0.46	56.5
Rolling 12 Months Ending in February												
2015	16,612,764	854,896	2.36	45.89	1.31	100.6	152,401	25,147	17.66	107.06	0.48	75.5
2016	14,307,774	740,609	2.20	42.51	1.31	101.1	132,270	21,825	W	W	0.50	88.6

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, 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 following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

- Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been 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 EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms 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), 2006 - February 2016 (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												
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
2012	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	132,474	4,660	2.18	61.95	5.41	73.5	8,721,114	8,503,424	4.33	4.44	89.7	3.09
2014	147,310	5,195	1.98	56.23	5.56	91.2	8,679,286	8,431,423	5.00	5.14	89.6	3.31
2015	135,648	4,779	1.87	52.95	5.26	87.7	10,178,706	9,843,170	3.22	3.33	89.7	2.65
Year 2014												
January	10,073	357	1.82	51.28	5.26	66.1	708,775	691,024	7.02	7.20	88.4	4.07
February	10,261	363	W	W	5.47	79.9	588,885	573,618	7.40	7.59	88.4	W
March	13,196	468	2.02	57.09	5.81	88.8	607,103	591,486	6.00	6.16	89.1	3.52
April	12,986	459	2.13	60.37	5.94	109.7	594,114	578,726	5.07	5.20	89.5	3.23
May	12,640	448	2.19	61.62	5.55	89.0	690,306	671,336	4.93	5.07	89.7	3.25
June	11,659	409	2.07	59.14	5.77	77.7	760,055	738,843	4.84	4.98	89.9	3.27
July	11,616	407	1.90	54.16	5.69	81.6	887,618	861,696	4.43	4.57	90.4	3.17
August	12,764	448	1.97	56.12	5.52	90.8	945,250	916,932	4.12	4.24	90.8	3.06
Sept	11,787	414	1.92	54.55	5.43	85.5	813,131	788,357	4.20	4.33	90.0	3.06
October	11,011	390	1.79	50.65	5.31	123.3	745,276	722,544	4.10	4.23	89.5	2.96
November	12,217	431	1.86	52.74	5.45	109.7	648,562	628,693	4.48	4.62	89.3	3.06
December	17,100	600	2.00	57.09	5.41	111.5	690,212	668,170	4.36	4.50	89.3	3.14
Year 2015												
January	13,724	484	2.03	57.48	5.23	89.7	758,731	735,038	4.10	4.23	88.9	2.93
February	9,660	338	1.79	51.07	5.30	60.9	691,341	669,546	4.68	4.83	89.2	3.20
March	9,506	338	2.03	57.09	5.17	79.5	753,516	729,499	3.54	3.66	89.3	W
April	11,059	392	1.99	56.16	5.01	93.3	716,775	693,083	3.09	3.20	90.2	2.58
May	11,883	419	2.05	58.07	5.24	94.4	786,889	760,832	3.14	3.24	90.2	2.64
June	9,380	330	1.89	53.88	5.57	78.2	934,429	902,609	3.12	3.22	90.3	2.66
July	12,797	451	1.93	54.69	5.08	85.9	1,094,467	1,057,757	3.11	3.22	90.8	2.63
August	11,327	396	1.85	52.86	5.02	79.0	1,073,235	1,038,238	3.11	3.21	90.4	2.62
Sept	13,033	458	1.76	50.19	5.13	93.7	938,770	907,301	3.06	3.16	90.0	2.58
October	10,836	380	W	W	5.09	96.1	832,943	804,172	2.91	3.01	89.1	W
November	11,781	416	1.61	45.64	5.61	112.3	784,419	759,145	2.65	2.73	89.6	2.38
December	10,661	378	1.59	44.81	5.75	103.8	813,191	785,951	2.59	2.68	88.4	2.36
Year 2016												
January	9,639	341	1.38	38.93	5.68	79.5	821,121	793,369	3.01	3.11	89.0	2.52
February	11,272	408	1.30	35.80	5.53	94.7	732,394	707,751	2.70	2.79	88.7	2.37
Year to Date												
2014	20,334	720	1.92	54.42	5.36	72.4	1,297,660	1,264,642	7.19	7.38	88.4	4.08
2015	23,385	822	1.93	54.85	5.26	75.1	1,450,073	1,404,585	4.37	4.51	89.0	3.05
2016	20,912	749	1.33	37.23	5.60	87.1	1,553,515	1,501,120	2.86	2.96	88.8	2.44
Rolling 12 Months Ending in February												
2015	150,361	5,296	1.98	56.23	5.54	91.4	8,831,698	8,571,366	4.56	4.70	89.7	3.15
2016	133,175	4,706	W	W	5.31	90.2	10,282,149	9,939,706	3.01	3.11	89.7	W

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, 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 following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2006 - February 2016

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,871,559	699,353	2.40	47.67	1.16	101.5	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,595,328	592,772	2.38	46.51	1.23	92.9	78,101	12,814	21.09	128.57	0.43	76.2
2014	12,064,810	614,728	2.39	46.95	1.21	98.3	98,357	16,161	19.90	121.14	0.44	82.0
2015	11,219,729	577,055	2.25	43.74	1.19	105.0	89,904	14,724	11.30	69.02	0.46	77.0
Year 2014												
January	939,850	48,843	2.30	44.18	1.13	79.8	12,001	2,011	21.72	129.64	0.32	44.6
February	870,977	44,490	2.31	45.27	1.23	80.6	12,180	2,005	21.72	131.94	0.49	106.4
March	991,708	50,353	2.37	46.61	1.23	97.5	8,992	1,474	21.53	131.41	0.39	76.6
April	948,645	47,838	2.41	47.72	1.23	116.0	6,691	1,099	21.74	132.35	0.36	85.6
May	1,003,354	50,694	2.42	47.83	1.27	107.4	5,313	885	21.88	131.42	0.34	68.2
June	998,236	50,508	2.40	47.48	1.25	90.8	6,271	1,037	21.65	130.91	0.34	87.9
July	1,059,989	53,961	2.41	47.22	1.19	89.5	5,979	985	21.28	129.22	0.47	75.2
August	1,096,270	55,759	2.40	47.18	1.22	92.5	6,800	1,108	20.61	126.44	0.50	84.5
Sept	1,037,230	52,716	2.41	47.40	1.21	103.8	6,921	1,137	19.90	121.13	0.48	87.7
October	1,047,018	53,419	2.34	45.74	1.20	118.6	6,939	1,148	19.33	117.03	0.48	94.2
November	1,010,559	51,705	2.33	45.51	1.20	110.9	7,512	1,237	17.71	107.56	0.50	100.6
December	1,060,973	54,441	2.60	50.75	1.20	108.8	12,760	2,035	13.22	82.91	0.46	160.4
Year 2015												
January	1,036,958	53,439	2.30	44.72	1.20	103.5	8,826	1,452	11.80	71.71	0.57	69.0
February	864,004	44,588	2.26	43.75	1.20	91.6	8,601	1,406	11.71	71.64	0.47	37.9
March	927,684	47,541	2.26	44.10	1.20	110.3	10,165	1,669	12.11	73.85	0.52	132.3
April	878,588	45,081	2.26	44.01	1.22	122.2	6,578	1,082	13.26	80.56	0.39	86.7
May	923,980	47,039	2.29	44.97	1.23	107.9	7,247	1,180	12.33	75.72	0.46	92.6
June	905,477	46,233	2.27	44.47	1.25	89.9	7,498	1,234	13.66	82.96	0.46	87.5
July	976,543	50,671	2.24	43.10	1.13	88.7	6,277	1,028	12.47	76.13	0.40	66.8
August	1,035,462	53,072	2.26	44.06	1.19	96.7	5,726	946	11.75	71.15	0.42	65.1
Sept	1,005,631	51,566	2.26	44.05	1.19	108.2	7,101	1,158	9.75	59.76	0.38	91.5
October	951,213	49,116	2.19	42.34	1.15	123.3	5,910	970	9.43	57.50	0.44	78.5
November	880,076	45,573	2.20	42.46	1.14	125.0	8,563	1,387	8.80	54.37	0.57	99.8
December	834,115	43,135	2.21	42.69	1.17	112.2	7,413	1,211	8.52	52.13	0.37	98.1
Year 2016												
January	757,172	39,300	2.17	41.78	1.19	85.1	6,397	1,058	7.86	47.57	0.44	61.6
February	727,561	37,332	2.16	42.06	1.24	97.9	5,828	957	6.93	42.18	0.41	66.4
Year to Date												
2014	1,810,827	93,333	2.30	44.70	1.18	80.2	24,180	4,016	21.72	130.79	0.43	62.8
2015	1,900,962	98,027	2.28	44.28	1.20	97.7	17,427	2,858	11.75	71.68	0.52	49.1
2016	1,484,733	76,632	2.16	41.92	1.22	90.9	12,225	2,015	7.42	45.01	0.43	63.8
Rolling 12 Months Ending in February												
2015	12,154,945	619,423	2.39	46.87	1.22	101.7	91,604	15,003	17.87	109.13	0.45	78.4
2016	10,803,500	555,660	2.23	43.40	1.19	104.1	84,702	13,880	10.65	64.98	0.44	84.3

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Notes:
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COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2006 - February 2016 (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												
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
2012	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.11	60.30	5.34	101.6	3,939,408	3,851,241	4.49	4.59	97.0	2.99
2014	123,793	4,349	1.89	53.77	5.56	126.3	3,876,549	3,772,596	5.17	5.31	96.7	3.16
2015	115,651	4,059	1.77	50.44	5.23	129.8	4,662,350	4,510,926	3.52	3.64	95.1	2.66
Year 2014												
January	8,753	309	1.79	50.66	5.22	88.7	322,118	314,783	6.23	6.37	96.8	3.45
February	8,883	312	2.01	57.15	5.47	113.1	261,721	255,665	7.00	7.16	96.1	3.56
March	11,235	396	1.94	54.97	5.85	119.1	269,374	263,288	5.93	6.06	96.8	3.24
April	11,184	394	2.07	58.69	5.98	186.0	270,455	264,009	5.34	5.47	97.6	3.14
May	10,813	383	2.13	60.11	5.57	121.8	324,319	316,054	5.26	5.40	97.7	3.18
June	9,321	325	1.97	56.35	5.85	95.9	346,749	337,837	5.17	5.31	96.9	3.19
July	9,697	339	1.79	51.25	5.70	113.6	390,076	379,146	4.84	4.98	96.4	3.12
August	10,451	365	1.85	52.89	5.51	122.5	424,307	412,297	4.47	4.60	96.6	3.05
Sept	9,844	345	1.81	51.54	5.40	122.6	353,112	342,647	4.63	4.77	96.2	3.05
October	9,240	326	1.65	46.75	5.25	182.8	323,101	313,490	4.55	4.69	96.8	2.93
November	10,079	354	1.70	48.51	5.43	154.6	288,185	279,556	4.75	4.90	96.6	2.94
December	14,294	499	1.90	54.38	5.40	149.0	303,034	293,825	4.61	4.76	96.6	3.13
Year 2015												
January	11,509	404	1.94	55.36	5.21	129.1	339,941	329,825	4.25	4.38	96.1	2.83
February	8,617	301	1.72	49.17	5.31	90.5	319,671	310,056	4.59	4.73	94.8	2.94
March	7,949	283	1.95	54.67	5.16	144.7	341,334	330,809	3.78	3.90	95.4	2.74
April	8,845	313	1.95	55.11	4.92	146.8	329,072	318,796	3.48	3.59	96.8	2.64
May	10,125	357	1.98	56.26	5.21	136.5	359,488	347,975	3.50	3.62	97.0	2.68
June	7,485	262	1.73	49.60	5.62	111.4	439,136	424,467	3.47	3.59	94.9	2.72
July	11,256	395	1.86	52.91	5.04	118.3	502,578	485,114	3.46	3.59	94.7	2.68
August	9,787	342	1.76	50.54	4.92	109.8	487,563	471,677	3.46	3.57	94.4	2.67
Sept	12,216	429	1.72	49.08	5.09	145.7	424,428	410,359	3.40	3.52	94.2	2.62
October	9,542	333	1.77	50.65	5.05	143.8	378,083	364,363	3.25	3.37	94.9	2.51
November	9,986	351	1.46	41.60	5.64	198.2	362,897	351,814	2.98	3.07	96.0	2.46
December	8,335	291	1.34	38.45	5.76	126.4	378,160	365,672	2.95	3.05	93.6	2.47
Year 2016												
January	7,935	278	1.15	32.96	5.67	91.8	389,788	376,962	3.28	3.39	96.7	2.56
February	9,837	356	1.13	31.18	5.53	131.0	352,362	340,293	2.96	3.07	96.3	2.43
Year to Date												
2014	17,636	621	1.90	53.92	5.35	99.4	583,839	570,448	6.57	6.73	96.5	3.51
2015	20,126	704	1.84	52.72	5.25	109.2	659,612	639,882	4.41	4.55	95.4	2.88
2016	17,773	634	1.14	31.96	5.59	110.4	742,150	717,255	3.13	3.24	96.5	2.50
Rolling 12 Months Ending in February												
2015	126,284	4,432	1.88	53.58	5.54	128.0	3,952,322	3,842,030	4.83	4.97	96.6	3.06
2016	113,297	3,988	1.66	47.11	5.28	130.4	4,744,888	4,588,300	3.34	3.45	95.3	2.60

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, 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 following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2006 - February 2016

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	4,032,431	217,572	2.20	40.95	1.48	99.1	43,432	7,205	19.71	118.88	0.45	110.1
2014	4,243,949	226,600	2.25	42.20	1.61	100.1	71,774	11,980	19.90	119.36	0.45	101.0
2015	3,468,061	184,440	2.11	39.65	1.63	97.1	54,504	9,075	11.64	70.10	0.46	86.1
Year 2014												
January	356,260	19,360	2.25	41.46	1.56	86.8	14,823	2,481	22.05	132.09	0.46	43.7
February	324,520	17,309	2.31	43.39	1.62	83.0	13,652	2,247	21.53	131.09	0.39	189.3
March	383,238	19,906	2.32	44.67	1.66	97.8	6,096	1,023	22.59	134.69	0.52	66.2
April	368,214	19,193	2.29	44.00	1.60	114.9	2,150	365	21.88	129.00	0.48	127.7
May	358,005	18,880	2.30	43.62	1.65	113.3	3,198	529	20.19	121.99	0.52	145.8
June	346,608	18,528	2.29	42.89	1.64	100.1	2,867	477	21.11	126.96	0.51	141.6
July	346,695	18,879	2.24	41.19	1.53	90.0	2,327	391	21.59	128.64	0.50	96.7
August	366,331	19,740	2.22	41.23	1.63	96.0	2,265	382	W	W	0.49	79.5
Sept	342,392	18,355	2.21	41.35	1.70	101.3	3,161	526	19.20	115.97	0.50	156.6
October	345,463	18,416	2.18	40.98	1.57	115.9	5,762	961	17.58	105.43	0.44	279.8
November	338,083	18,186	2.19	40.72	1.58	101.8	10,107	1,695	15.62	93.26	0.38	374.5
December	368,141	19,847	2.20	40.90	1.54	112.9	5,366	904	15.41	91.46	0.53	201.5
Year 2015												
January	343,021	18,177	2.21	41.66	1.54	92.8	4,217	703	15.12	90.54	0.49	57.2
February	279,974	14,887	2.24	42.12	1.59	81.6	11,144	1,839	13.15	79.88	0.51	36.9
March	272,637	14,193	2.23	42.80	1.58	94.2	3,984	672	13.53	80.54	0.49	119.8
April	270,997	14,215	2.12	40.48	1.64	122.9	2,298	391	12.86	75.93	0.46	125.4
May	270,576	14,133	2.14	41.00	1.76	104.6	3,782	639	13.02	77.29	0.41	138.6
June	262,292	13,988	2.16	40.52	1.76	79.4	2,101	353	13.29	79.16	0.48	95.5
July	295,075	15,969	2.10	38.81	1.64	81.6	2,125	360	12.81	75.83	0.47	69.2
August	323,784	17,230	2.12	39.81	1.66	90.6	3,367	575	12.56	75.45	0.48	134.0
Sept	319,898	17,245	2.05	38.10	1.66	100.2	6,831	1,129	9.45	57.02	0.47	232.0
October	300,888	16,121	1.98	37.04	1.60	115.3	6,918	1,128	8.69	53.34	0.41	305.3
November	270,113	14,513	1.97	36.65	1.57	112.7	5,354	881	9.09	55.30	0.45	223.5
December	258,807	13,769	1.96	36.87	1.63	117.9	2,381	406	9.60	56.21	0.45	93.9
Year 2016												
January	248,356	13,412	1.94	35.88	1.71	84.5	2,394	419	7.90	45.22	0.42	61.6
February	225,570	11,969	1.92	36.22	1.91	96.6	1,824	305	6.90	41.34	0.47	43.6
Year to Date												
2014	680,780	36,669	2.28	42.37	1.59	85.0	28,475	4,728	21.80	131.61	0.42	68.9
2015	622,994	33,064	2.22	41.87	1.56	87.4	15,361	2,542	13.64	82.54	0.50	41.0
2016	473,926	25,382	1.93	36.04	1.81	89.8	4,218	724	7.46	43.57	0.44	52.5
Rolling 12 Months Ending in February												
2015	4,186,164	222,995	2.24	42.13	1.60	100.9	58,660	9,794	W	W	0.48	87.4
2016	3,318,993	176,758	2.06	38.72	1.67	98.0	43,361	7,257	10.56	63.30	0.45	127.0

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Notes:
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COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms 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, 2006 - February 2016 (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												
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	65.6	4,025,263	3,917,898	4.25	4.36	92.8	W
2014	13,781	488	2.48	70.31	5.33	70.9	4,054,540	3,934,672	4.90	5.05	92.7	W
2015	14,550	524	2.45	68.22	5.26	67.0	4,777,264	4,617,157	2.93	3.03	93.7	W
Year 2014												
January	922	33	W	W	5.35	52.4	320,157	311,751	8.58	8.81	92.3	W
February	1,039	38	0.00	0.00	5.27	60.8	267,558	260,190	8.33	8.57	91.3	5.10
March	1,127	41	W	W	5.47	62.5	271,937	264,409	6.38	6.56	91.6	W
April	1,047	37	W	W	5.53	57.9	264,781	257,569	4.83	4.96	92.5	W
May	1,419	50	W	W	5.35	88.8	305,484	296,701	4.51	4.65	91.8	W
June	1,349	47	W	W	5.24	102.9	352,539	342,158	4.45	4.58	91.9	W
July	1,124	39	W	W	5.55	67.8	432,673	419,753	3.98	4.10	93.3	W
August	1,401	49	W	W	5.39	83.2	455,652	441,523	3.71	3.83	93.7	W
Sept	946	33	W	W	5.29	47.3	400,187	387,887	3.72	3.84	93.6	W
October	821	29	W	W	5.26	91.2	363,367	352,206	3.58	3.69	92.8	W
November	1,066	36	W	W	5.29	87.9	298,147	289,008	4.27	4.41	92.9	W
December	1,520	53	W	W	5.10	76.9	322,057	311,517	4.04	4.18	93.1	W
Year 2015												
January	1,427	52	W	W	5.10	77.4	357,604	346,044	4.05	4.18	93.3	W
February	562	20	W	W	4.53	30.2	313,724	303,386	5.17	5.34	93.8	W
March	956	34	W	W	4.81	48.7	350,620	339,122	3.36	3.48	93.5	W
April	1,501	54	W	W	4.95	79.5	329,881	318,305	2.65	2.75	93.9	W
May	1,348	48	W	W	5.17	69.2	366,927	354,389	2.75	2.84	93.3	W
June	1,237	44	W	W	5.22	68.9	433,601	418,650	2.69	2.78	93.9	W
July	1,119	40	W	W	5.30	58.6	526,867	509,889	2.71	2.80	94.2	W
August	1,289	45	W	W	5.62	67.3	519,586	502,592	2.72	2.81	94.0	W
Sept	432	16	W	W	5.44	22.3	452,689	437,288	2.69	2.79	93.8	W
October	1,295	47	W	W	5.38	71.5	399,445	386,113	2.55	2.63	93.3	W
November	1,643	59	W	W	5.35	82.7	358,246	346,015	2.31	2.39	93.3	W
December	1,742	65	W	W	5.70	178.7	368,074	355,362	2.20	2.28	93.4	W
Year 2016												
January	1,304	49	W	W	5.70	184.5	368,054	355,169	2.77	2.87	91.9	W
February	1,313	47	W	W	5.44	97.1	324,321	313,533	2.43	2.51	92.6	W
Year to Date												
2014	1,961	72	2.21	63.69	5.31	56.6	587,716	571,941	8.47	8.70	91.9	W
2015	1,989	71	2.45	68.33	4.94	54.0	671,328	649,430	4.58	4.73	93.5	W
2016	2,617	96	2.50	67.88	5.57	127.9	692,375	668,702	2.61	2.70	92.2	W
Rolling 12 Months Ending in February												
2015	13,809	488	W	W	5.28	70.2	4,138,153	4,012,161	4.30	4.44	92.9	W
2016	15,179	549	W	W	5.36	75.7	4,798,310	4,636,429	2.66	2.75	93.5	W

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Notes:
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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.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms 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, 2006 - February 2016

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0
2013	3,507	151	W	W	3.05	11.2	0	0	--	--	--	0.0
2014	4,096	182	W	W	2.50	17.1	0	0	--	--	--	0.0
2015	2,439	109	W	W	2.55	12.6	0	0	--	--	--	0.0
Year 2014												
January	400	18	W	W	3.06	13.3	0	0	--	--	--	0.0
February	407	18	W	W	2.91	13.7	0	0	--	--	--	0.0
March	526	24	2.98	66.22	2.39	20.1	0	0	--	--	--	0.0
April	640	30	2.70	58.40	1.24	36.2	0	0	--	--	--	0.0
May	475	21	W	W	2.54	29.1	0	0	--	--	--	0.0
June	116	5	W	W	2.88	6.3	0	0	--	--	--	0.0
July	261	11	W	W	2.52	13.2	0	0	--	--	--	0.0
August	159	7	W	W	2.96	9.4	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	21.1	0	0	--	--	--	0.0
October	313	14	W	W	2.72	23.9	0	0	--	--	--	0.0
November	229	10	W	W	3.00	12.3	0	0	--	--	--	0.0
December	264	12	W	W	2.96	13.0	0	0	--	--	--	0.0
Year 2015												
January	309	14	W	W	2.65	14.5	0	0	--	--	--	0.0
February	479	23	2.14	44.32	1.71	25.3	0	0	--	--	--	0.0
March	177	8	W	W	2.93	8.9	0	0	--	--	--	0.0
April	298	13	W	W	2.72	20.3	0	0	--	--	--	0.0
May	102	5	W	W	2.90	7.3	0	0	--	--	--	0.0
June	213	9	W	W	2.30	14.4	0	0	--	--	--	0.0
July	124	5	W	W	2.93	7.9	0	0	--	--	--	0.0
August	187	8	W	W	2.46	12.2	0	0	--	--	--	0.0
Sept	49	2	W	W	3.01	3.7	0	0	--	--	--	0.0
October	130	6	W	W	3.08	9.3	0	0	--	--	--	0.0
November	182	8	W	W	3.00	11.5	0	0	--	--	--	0.0
December	188	8	W	W	2.86	10.8	0	0	--	--	--	0.0
Year 2016												
January	139	6	W	W	2.87	7.8	0	0	--	--	--	0.0
February	124	5	W	W	2.84	6.7	0	0	--	--	--	0.0
Year to Date												
2014	807	36	W	W	2.98	13.5	0	0	--	--	--	0.0
2015	788	37	2.36	50.18	2.08	19.8	0	0	--	--	--	0.0
2016	262	12	W	W	2.86	7.2	0	0	--	--	--	0.0
Rolling 12 Months Ending in February												
2015	4,077	183	W	W	2.30	18.5	0	0	--	--	--	0.0
2016	1,913	83	W	W	2.78	10.0	0	0	--	--	--	0.0

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COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2006 - February 2016 (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												
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	4.6	W
2014	0	0	--	--	--	0.0	5,849	5,795	W	W	4.9	W
2015	0	0	--	--	--	0.0	6,499	6,371	W	W	5.0	W
Year 2014												
January	0	0	--	--	--	0.0	423	418	W	W	3.1	W
February	0	0	--	--	--	0.0	314	310	W	W	3.6	W
March	0	0	--	--	--	0.0	359	355	W	W	4.2	W
April	0	0	--	--	--	0.0	439	435	W	W	5.4	W
May	0	0	--	--	--	0.0	491	486	W	W	5.4	W
June	0	0	--	--	--	0.0	440	437	W	W	4.6	W
July	0	0	--	--	--	0.0	476	472	W	W	4.4	W
August	0	0	--	--	--	0.0	625	619	W	W	5.4	W
Sept	0	0	--	--	--	0.0	555	551	W	W	5.4	W
October	0	0	--	--	--	0.0	580	575	W	W	5.9	W
November	0	0	--	--	--	0.0	476	472	W	W	5.1	W
December	0	0	--	--	--	0.0	672	666	W	W	6.7	W
Year 2015												
January	0	0	--	--	--	0.0	552	545	W	W	5.0	W
February	0	0	--	--	--	0.0	378	372	W	W	3.8	W
March	0	0	--	--	--	0.0	438	432	W	W	4.0	W
April	0	0	--	--	--	0.0	420	413	W	W	4.5	W
May	0	0	--	--	--	0.0	494	488	W	W	4.7	W
June	0	0	--	--	--	0.0	522	513	W	W	5.0	W
July	0	0	--	--	--	0.0	540	528	W	W	4.8	W
August	0	0	--	--	--	0.0	694	680	W	W	6.0	W
Sept	0	0	--	--	--	0.0	632	620	W	W	5.7	W
October	0	0	--	--	--	0.0	530	523	W	W	5.1	W
November	0	0	--	--	--	0.0	775	749	W	W	7.0	W
December	0	0	--	--	--	0.0	524	507	W	W	4.6	W
Year 2016												
January	0	0	--	--	--	0.0	1,241	1,203	W	W	10.5	W
February	0	0	--	--	--	0.0	488	477	W	W	4.6	W
Year to Date												
2014	0	0	--	--	--	0.0	737	728	W	W	3.3	W
2015	0	0	--	--	--	0.0	931	917	W	W	4.4	W
2016	0	0	--	--	--	0.0	1,729	1,680	W	W	7.7	W
Rolling 12 Months Ending in February												
2015	0	0	--	--	--	0.0	6,043	5,984	W	W	5.1	W
2016	0	0	--	--	--	0.0	7,298	7,134	W	W	5.6	W

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, 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 following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2006 - February 2016

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8
2013	275,543	12,727	W	W	1.32	64.4	2,431	394	18.20	112.29	1.43	15.8
2014	281,867	13,050	W	W	1.33	68.4	2,290	373	17.91	109.99	1.43	15.6
2015	187,621	8,263	W	W	1.57	45.8	4,356	713	13.15	80.30	1.75	30.1
Year 2014												
January	23,384	1,093	W	W	1.29	61.0	385	62	18.67	115.30	1.30	15.0
February	21,991	1,020	W	W	1.33	62.5	332	53	20.18	125.46	1.04	19.1
March	25,143	1,161	2.92	63.25	1.41	67.2	135	22	20.74	127.74	1.16	9.3
April	22,469	1,042	3.09	66.66	1.31	70.8	142	23	17.86	110.18	1.60	14.8
May	22,090	1,028	W	W	1.27	66.3	144	23	17.67	109.00	1.70	13.6
June	21,987	1,014	W	W	1.40	65.9	197	32	18.15	111.64	1.79	19.5
July	24,237	1,122	W	W	1.29	70.6	149	24	16.89	103.81	1.54	16.2
August	25,258	1,165	W	W	1.35	73.2	117	19	W	W	1.59	14.2
Sept	23,305	1,073	W	W	1.28	71.5	140	23	17.75	108.43	1.86	14.5
October	23,967	1,110	W	W	1.35	74.9	150	25	16.21	98.83	1.56	14.8
November	23,701	1,098	W	W	1.37	70.7	169	28	17.46	105.26	1.42	15.1
December	24,334	1,125	W	W	1.30	68.4	230	38	14.15	85.81	1.33	22.4
Year 2015												
January	17,776	773	W	W	1.59	46.2	159	26	12.53	76.07	2.04	9.7
February	13,311	585	2.87	65.23	1.67	39.2	405	67	16.55	99.49	1.65	18.9
March	17,748	778	W	W	1.48	49.1	1,607	262	W	W	1.99	124.2
April	14,725	649	W	W	1.67	46.5	247	41	13.17	78.37	1.00	24.0
May	15,203	676	W	W	1.46	46.8	59	10	14.16	86.77	1.50	5.1
June	15,221	670	W	W	1.58	46.7	195	31	12.73	79.17	1.58	17.5
July	17,508	778	W	W	1.54	49.8	350	57	12.95	79.16	1.84	35.1
August	15,865	703	W	W	1.48	45.1	127	21	13.09	79.74	1.66	14.2
Sept	15,532	686	W	W	1.39	46.4	487	79	12.03	74.16	1.89	43.5
October	14,220	624	W	W	1.69	45.5	330	55	12.73	76.79	1.28	36.1
November	15,757	686	W	W	1.76	45.6	170	28	11.56	70.68	1.41	15.1
December	14,754	654	W	W	1.57	43.1	220	36	11.82	72.72	1.56	21.6
Year 2016												
January	14,296	638	W	W	1.51	41.5	142	23	10.87	67.07	1.55	11.6
February	12,538	566	W	W	1.62	39.4	274	45	8.45	51.85	1.10	25.8
Year to Date												
2014	45,376	2,113	W	W	1.31	61.7	717	116	19.37	119.99	1.18	16.6
2015	31,087	1,358	2.83	64.67	1.63	42.9	564	94	15.42	92.94	1.78	14.9
2016	26,834	1,204	W	W	1.56	40.5	416	68	9.28	57.01	1.24	18.3
Rolling 12 Months Ending in February												
2015	267,579	12,295	W	W	1.37	65.3	2,137	351	W	W	1.60	15.1
2016	183,368	8,108	W	W	1.56	45.5	4,207	687	W	W	1.70	32.5

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, 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 following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2006 - February 2016 (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												
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	17,236	623	W	W	5.82	30.5	750,946	728,835	W	W	62.3	W
2014	9,736	358	W	W	5.83	23.2	742,347	718,360	W	W	62.7	W
2015	5,447	196	W	W	5.94	12.9	732,593	708,716	W	W	60.6	W
Year 2014												
January	398	15	W	W	5.87	11.7	66,078	64,072	W	W	60.7	W
February	339	13	W	W	5.95	11.2	59,291	57,453	W	W	64.6	W
March	834	31	W	W	5.76	24.3	65,433	63,434	W	W	67.2	W
April	755	28	W	W	5.88	19.7	58,439	56,714	W	W	63.4	W
May	408	15	W	W	5.78	11.7	60,012	58,094	W	W	63.1	W
June	990	36	W	W	5.66	25.6	60,327	58,411	W	W	64.0	W
July	794	29	W	W	5.79	20.2	64,393	62,325	W	W	62.9	W
August	912	34	W	W	5.80	25.1	64,667	62,493	W	W	62.0	W
Sept	997	36	W	W	5.92	27.6	59,277	57,273	W	W	60.5	W
October	950	34	W	W	5.92	33.0	58,228	56,273	W	W	59.5	W
November	1,071	40	W	W	5.83	33.3	61,753	59,657	W	W	63.3	W
December	1,286	47	W	W	5.86	36.1	64,449	62,162	W	W	62.3	W
Year 2015												
January	788	29	W	W	5.74	18.1	60,633	58,625	W	W	57.4	W
February	481	17	W	W	6.17	11.2	57,569	55,731	W	W	61.7	W
March	601	21	W	W	5.99	13.5	61,124	59,136	W	W	61.2	W
April	712	25	W	W	6.18	18.1	57,402	55,568	W	W	61.4	W
May	410	14	W	W	6.14	12.8	59,979	57,979	W	W	61.4	W
June	659	24	W	W	5.64	19.6	61,171	58,979	W	W	61.3	W
July	422	16	W	W	5.68	12.8	64,482	62,227	W	W	61.9	W
August	251	9	W	W	6.00	7.5	65,392	63,289	W	W	61.5	W
Sept	386	14	W	W	6.21	11.2	61,022	59,033	W	W	61.6	W
October	0	0	--	--	--	0.0	54,884	53,173	W	W	56.3	W
November	153	5	W	W	6.30	4.5	62,502	60,567	W	W	60.7	W
December	584	22	W	W	5.78	22.6	66,433	64,409	W	W	60.5	W
Year 2016												
January	400	15	W	W	5.94	15.0	62,039	60,035	W	W	57.9	W
February	122	4	W	W	6.10	4.1	55,223	53,448	W	W	55.9	W
Year to Date												
2014	737	28	W	W	5.91	11.5	125,369	121,525	W	W	62.5	W
2015	1,269	46	W	W	5.90	14.7	118,202	114,356	W	W	59.4	W
2016	522	19	W	W	5.98	9.3	117,262	113,483	W	W	56.9	W
Rolling 12 Months Ending in February												
2015	10,268	376	W	W	5.83	23.3	735,181	711,191	W	W	62.2	W
2016	4,699	169	W	W	5.95	12.0	731,653	707,843	W	W	60.1	W

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PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms 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, February 2016 and 2015
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	113	315	-64.0%	0	9	112	298	0	0	1	7
Connecticut	0	166	-100.0%	0	0	0	166	0	0	0	0
Maine	8	20	-62.0%	0	0	6	13	0	0	1	7
Massachusetts	105	120	-12.0%	0	0	105	120	0	0	0	0
New Hampshire	0	9	-100.0%	0	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	1,874	2,344	-20.0%	0	0	1,846	2,316	0	0	27	28
New Jersey	32	76	-58.0%	0	0	32	76	0	0	0	0
New York	16	41	-61.0%	0	0	0	25	0	0	16	16
Pennsylvania	1,826	2,226	-18.0%	0	0	1,814	2,215	0	0	11	12
East North Central	10,359	13,138	-21.0%	6,283	7,897	3,861	5,035	0	1	215	205
Illinois	3,004	4,499	-33.0%	777	980	2,073	3,376	0	0	154	143
Indiana	2,453	2,888	-15.0%	2,281	2,693	171	195	0	0	0	0
Michigan	1,097	1,254	-13.0%	1,094	1,247	0	0	0	1	3	7
Ohio	2,523	2,747	-8.2%	883	1,261	1,616	1,464	0	0	23	22
Wisconsin	1,282	1,749	-27.0%	1,247	1,717	0	0	0	0	35	32
West North Central	9,508	11,166	-15.0%	9,406	11,053	0	0	5	22	96	91
Iowa	1,371	1,463	-6.3%	1,274	1,373	0	0	0	0	96	91
Kansas	902	1,347	-33.0%	902	1,347	0	0	0	0	0	0
Minnesota	1,035	1,541	-33.0%	1,035	1,529	0	0	0	12	0	0
Missouri	3,064	3,741	-18.0%	3,058	3,731	0	0	5	10	0	0
Nebraska	1,108	994	11.0%	1,108	994	0	0	0	0	0	0
North Dakota	1,917	1,917	0.0%	1,917	1,917	0	0	0	0	0	0
South Dakota	111	162	-32.0%	111	162	0	0	0	0	0	0
South Atlantic	7,534	7,902	-4.7%	6,654	6,914	806	880	0	0	74	107
Delaware	35	23	51.0%	0	0	35	23	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,105	1,209	-8.7%	1,092	1,184	13	26	0	0	0	0
Georgia	1,187	1,286	-7.7%	1,187	1,271	0	0	0	0	0	15
Maryland	264	401	-34.0%	0	0	243	371	0	0	21	30
North Carolina	888	1,071	-17.0%	888	1,071	0	0	0	0	0	0
South Carolina	773	845	-8.6%	755	836	0	0	0	0	18	9
Virginia	755	613	23.0%	682	537	45	45	0	0	27	31
West Virginia	2,527	2,452	3.1%	2,050	2,016	469	415	0	0	8	22
East South Central	5,143	5,748	-11.0%	4,723	5,351	303	286	0	0	117	110
Alabama	1,180	1,457	-19.0%	1,180	1,457	0	0	0	0	0	0
Kentucky	3,025	3,198	-5.4%	3,025	3,198	0	0	0	0	0	0
Mississippi	364	438	-17.0%	60	152	303	286	0	0	0	0
Tennessee	575	654	-12.0%	458	544	0	0	0	0	117	110
West South Central	7,629	10,881	-30.0%	3,711	5,853	3,911	5,018	0	0	6	11
Arkansas	1,088	1,328	-18.0%	949	1,091	132	226	0	0	6	11
Louisiana	498	1,034	-52.0%	466	564	33	470	0	0	0	0
Oklahoma	840	1,545	-46.0%	771	1,443	69	102	0	0	0	0
Texas	5,202	6,975	-25.0%	1,525	2,755	3,677	4,220	0	0	0	0
Mountain	7,235	8,027	-9.9%	6,464	7,412	766	611	0	0	6	5
Arizona	1,282	1,825	-30.0%	1,282	1,825	0	0	0	0	0	0
Colorado	1,330	1,550	-14.0%	1,330	1,550	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	737	566	30.0%	0	0	737	566	0	0	0	0
Nevada	29	102	-72.0%	0	58	29	44	0	0	0	0
New Mexico	813	839	-3.1%	813	839	0	0	0	0	0	0
Utah	1,054	1,247	-15.0%	1,049	1,243	0	0	0	0	6	5
Wyoming	1,990	1,897	4.9%	1,990	1,897	0	0	0	0	0	0
Pacific Contiguous	380	499	-24.0%	56	98	302	380	0	0	22	22
California	22	22	1.3%	0	0	0	0	0	0	22	22
Oregon	56	98	-43.0%	56	98	0	0	0	0	0	0
Washington	302	380	-20.0%	0	0	302	380	0	0	0	0
Pacific Noncontiguous	98	63	57.0%	35	0	63	63	0	0	0	0
Alaska	35	0	--	35	0	0	0	0	0	0	0
Hawaii	63	63	0.5%	0	0	63	63	0	0	0	0
U.S. Total	49,873	60,083	-17.0%	37,332	44,588	11,969	14,887	5	23	566	585

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Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

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) February 2016 and 2015
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	394	602	-35.0%	0	108	391	481	0	0	3	13
Connecticut	85	166	-49.0%	0	0	85	166	0	0	0	0
Maine	18	34	-48.0%	0	0	15	21	0	0	3	13
Massachusetts	291	293	-0.8%	0	0	291	293	0	0	0	0
New Hampshire	0	108	-100.0%	0	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	3,662	5,148	-29.0%	0	0	3,598	5,074	0	0	64	74
New Jersey	101	188	-46.0%	0	0	101	188	0	0	0	0
New York	40	130	-69.0%	0	0	0	80	0	0	40	49
Pennsylvania	3,520	4,831	-27.0%	0	0	3,497	4,806	0	0	23	25
East North Central	21,955	29,408	-25.0%	13,138	17,473	8,380	11,483	0	2	437	451
Illinois	6,673	10,390	-36.0%	1,547	2,272	4,817	7,792	0	0	309	325
Indiana	5,096	6,460	-21.0%	4,743	6,027	353	433	0	0	0	0
Michigan	2,184	2,954	-26.0%	2,175	2,909	0	29	0	2	10	14
Ohio	5,051	5,878	-14.0%	1,793	2,604	3,210	3,228	0	0	47	46
Wisconsin	2,952	3,726	-21.0%	2,881	3,661	0	0	0	0	72	65
West North Central	20,010	24,101	-17.0%	19,793	23,878	0	0	12	35	205	188
Iowa	2,852	3,113	-8.4%	2,647	2,926	0	0	0	0	205	188
Kansas	2,196	2,908	-24.0%	2,196	2,908	0	0	0	0	0	0
Minnesota	2,042	3,392	-40.0%	2,042	3,377	0	0	0	14	0	0
Missouri	6,249	8,108	-23.0%	6,237	8,087	0	0	12	21	0	0
Nebraska	2,376	2,152	10.0%	2,376	2,152	0	0	0	0	0	0
North Dakota	4,063	4,053	0.2%	4,063	4,053	0	0	0	0	0	0
South Dakota	232	374	-38.0%	232	374	0	0	0	0	0	0
South Atlantic	14,672	18,224	-19.0%	12,915	15,933	1,567	2,018	0	0	189	273
Delaware	35	58	-39.0%	0	0	35	58	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,073	2,789	-26.0%	2,048	2,763	25	26	0	0	0	0
Georgia	2,299	3,062	-25.0%	2,284	3,011	0	0	0	0	15	51
Maryland	509	1,021	-50.0%	0	0	463	954	0	0	46	67
North Carolina	1,691	2,678	-37.0%	1,691	2,678	0	0	0	0	0	0
South Carolina	1,633	1,931	-15.0%	1,598	1,906	0	0	0	0	35	25
Virginia	1,406	1,413	-0.5%	1,255	1,227	91	122	0	0	61	64
West Virginia	5,025	5,271	-4.7%	4,039	4,348	953	857	0	0	33	66
East South Central	10,175	12,629	-19.0%	9,398	11,802	544	585	0	0	234	242
Alabama	2,367	3,222	-27.0%	2,367	3,222	0	0	0	0	0	0
Kentucky	5,865	6,729	-13.0%	5,865	6,729	0	0	0	0	0	0
Mississippi	660	985	-33.0%	116	401	544	585	0	0	0	0
Tennessee	1,284	1,692	-24.0%	1,050	1,450	0	0	0	0	234	242
West South Central	16,505	24,140	-32.0%	7,896	13,213	8,597	10,910	0	0	12	17
Arkansas	2,305	2,927	-21.0%	1,931	2,522	362	387	0	0	12	17
Louisiana	1,139	2,272	-50.0%	1,008	1,174	131	1,098	0	0	0	0
Oklahoma	1,548	3,466	-55.0%	1,380	3,258	168	208	0	0	0	0
Texas	11,512	15,476	-26.0%	3,577	6,259	7,936	9,217	0	0	0	0
Mountain	14,815	16,869	-12.0%	13,195	15,362	1,614	1,503	0	0	6	5
Arizona	2,552	3,861	-34.0%	2,552	3,861	0	0	0	0	0	0
Colorado	2,815	3,133	-10.0%	2,815	3,133	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,542	1,414	9.1%	0	0	1,542	1,414	0	0	0	0
Nevada	132	262	-50.0%	60	173	72	88	0	0	0	0
New Mexico	1,699	1,815	-6.4%	1,699	1,815	0	0	0	0	0	0
Utah	2,005	2,293	-13.0%	1,999	2,289	0	0	0	0	6	5
Wyoming	4,070	4,091	-0.5%	4,070	4,091	0	0	0	0	0	0
Pacific Contiguous	859	1,245	-31.0%	235	258	570	891	0	0	54	96
California	54	96	-44.0%	0	0	0	0	0	0	54	96
Oregon	235	258	-8.9%	235	258	0	0	0	0	0	0
Washington	570	891	-36.0%	0	0	570	891	0	0	0	0
Pacific Noncontiguous	183	120	52.0%	61	0	121	120	0	0	0	0
Alaska	61	0	--	61	0	0	0	0	0	0	0
Hawaii	121	120	1.3%	0	0	121	120	0	0	0	0
U.S. Total	103,229	132,487	-22.0%	76,632	98,027	25,382	33,064	12	37	1,204	1,358

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

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, February 2016 and 2015
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	10	608	-98.0%	1	7	8	570	0	0	0	31
Connecticut	2	12	-82.0%	0	0	2	12	0	0	0	0
Maine	4	414	-99.0%	0	0	4	382	0	0	0	31
Massachusetts	1	170	-99.0%	0	5	1	165	0	0	0	0
New Hampshire	1	2	-35.0%	1	2	0	0	0	0	0	0
Rhode Island	1	11	-89.0%	0	0	1	11	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	153	1,014	-85.0%	11	153	142	858	0	0	0	3
New Jersey	2	36	-94.0%	0	0	2	36	0	0	0	0
New York	113	863	-87.0%	11	153	102	707	0	0	0	3
Pennsylvania	38	115	-67.0%	0	0	38	115	0	0	0	0
East North Central	73	90	-19.0%	57	56	13	31	0	0	3	3
Illinois	12	8	60.0%	4	3	8	4	0	0	0	0
Indiana	17	24	-28.0%	17	24	0	0	0	0	0	0
Michigan	18	16	15.0%	18	15	0	0	0	0	0	1
Ohio	22	36	-39.0%	15	8	4	27	0	0	3	2
Wisconsin	4	7	-41.0%	4	7	0	0	0	0	0	0
West North Central	32	30	6.7%	32	30	0	0	0	0	0	0
Iowa	10	1	NM	10	1	0	0	0	0	0	0
Kansas	0	10	-100.0%	0	10	0	0	0	0	0	0
Minnesota	3	2	7.1%	3	2	0	0	0	0	0	0
Missouri	13	14	-9.1%	13	14	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	7	2	204.0%	7	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	333	618	-46.0%	244	398	49	190	0	0	40	30
Delaware	10	2	490.0%	0	0	10	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	23	25	-6.9%	23	25	0	0	0	0	0	0
Georgia	25	62	-59.0%	19	17	0	37	0	0	7	9
Maryland	16	40	-61.0%	0	0	16	40	0	0	0	0
North Carolina	27	94	-71.0%	17	78	10	16	0	0	0	0
South Carolina	39	55	-29.0%	10	37	0	7	0	0	29	10
Virginia	172	325	-47.0%	153	227	14	88	0	0	5	10
West Virginia	21	15	41.0%	21	14	0	0	0	0	0	0
East South Central	31	46	-34.0%	29	26	0	19	0	0	2	1
Alabama	3	25	-88.0%	3	6	0	19	0	0	0	0
Kentucky	12	7	67.0%	12	7	0	0	0	0	0	0
Mississippi	3	2	81.0%	3	2	0	0	0	0	0	0
Tennessee	13	12	6.0%	11	11	0	0	0	0	2	1
West South Central	23	18	26.0%	17	8	5	10	0	0	0	0
Arkansas	10	6	74.0%	10	4	0	2	0	0	0	0
Louisiana	2	7	-76.0%	0	0	2	7	0	0	0	0
Oklahoma	1	0	178.0%	1	0	0	0	0	0	0	0
Texas	10	5	94.0%	7	4	4	2	0	0	0	0
Mountain	23	39	-42.0%	20	39	3	0	0	0	0	0
Arizona	4	18	-76.0%	4	18	0	0	0	0	0	0
Colorado	2	0	--	2	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	0	900.0%	0	0	3	0	0	0	0	0
Nevada	1	3	-48.0%	1	2	0	0	0	0	0	0
New Mexico	10	11	-13.0%	10	11	0	0	0	0	0	0
Utah	1	0	47.0%	1	0	0	0	0	0	0	0
Wyoming	2	6	-67.0%	2	6	0	0	0	0	0	0
Pacific Contiguous	0	0	-100.0%	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	-100.0%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	631	847	-26.0%	545	689	85	158	0	0	0	0
Alaska	1	0	--	1	0	0	0	0	0	0	0
Hawaii	629	847	-26.0%	544	689	85	158	0	0	0	0
U.S. Total	1,307	3,312	-61.0%	957	1,406	305	1,839	0	0	45	67

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

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) February 2016 and 2015
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	23	678	-97.0%	4	9	19	637	0	0	0	31
Connecticut	5	17	-73.0%	0	0	5	17	0	0	0	0
Maine	7	418	-98.0%	0	0	7	387	0	0	0	31
Massachusetts	2	227	-99.0%	0	5	2	222	0	0	0	0
New Hampshire	3	4	-18.0%	3	4	0	0	0	0	0	0
Rhode Island	6	11	-50.0%	0	0	6	11	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	199	1,678	-88.0%	13	522	184	1,153	0	0	2	3
New Jersey	3	42	-92.0%	0	0	3	42	0	0	0	0
New York	134	1,411	-90.0%	13	522	120	886	0	0	2	3
Pennsylvania	61	225	-73.0%	0	0	61	225	0	0	0	0
East North Central	208	250	-17.0%	146	164	57	77	0	0	6	9
Illinois	26	15	70.0%	6	5	21	10	0	0	0	0
Indiana	40	65	-38.0%	40	65	0	0	0	0	0	0
Michigan	35	28	27.0%	34	27	0	0	0	0	1	1
Ohio	100	120	-16.0%	60	46	36	67	0	0	5	7
Wisconsin	7	22	-70.0%	7	22	0	0	0	0	0	1
West North Central	64	79	-18.0%	64	79	0	0	0	0	0	0
Iowa	15	6	135.0%	15	6	0	0	0	0	0	0
Kansas	10	20	-50.0%	10	20	0	0	0	0	0	0
Minnesota	5	4	30.0%	5	4	0	0	0	0	0	0
Missouri	20	36	-45.0%	20	36	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	12	6	92.0%	12	6	0	0	0	0	0	0
South Dakota	2	6	-61.0%	2	6	0	0	0	0	0	0
South Atlantic	689	993	-31.0%	431	611	201	332	0	0	57	50
Delaware	32	54	-40.0%	0	0	32	54	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	26	33	-22.0%	26	33	0	0	0	0	0	0
Georgia	99	136	-27.0%	58	41	30	75	0	0	11	19
Maryland	51	74	-31.0%	0	0	51	74	0	0	0	0
North Carolina	110	199	-45.0%	49	170	61	28	0	0	0	0
South Carolina	65	100	-35.0%	25	76	0	7	0	0	40	17
Virginia	260	369	-30.0%	228	263	27	92	0	0	6	13
West Virginia	47	29	63.0%	47	27	0	1	0	0	0	0
East South Central	102	148	-31.0%	90	121	10	27	0	0	3	1
Alabama	31	55	-43.0%	21	28	10	27	0	0	0	0
Kentucky	27	18	52.0%	27	18	0	0	0	0	0	0
Mississippi	11	4	173.0%	11	4	0	0	0	0	0	0
Tennessee	33	72	-54.0%	30	71	0	0	0	0	3	1
West South Central	29	70	-58.0%	22	45	7	25	0	0	0	0
Arkansas	11	11	8.7%	11	4	1	7	0	0	0	0
Louisiana	2	47	-95.0%	0	34	2	13	0	0	0	0
Oklahoma	1	0	275.0%	1	0	0	0	0	0	0	0
Texas	14	12	19.0%	11	7	4	5	0	0	0	0
Mountain	52	84	-38.0%	48	83	4	1	0	0	0	0
Arizona	9	32	-73.0%	9	32	0	0	0	0	0	0
Colorado	3	5	-32.0%	3	5	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	4	0	NM	0	0	4	0	0	0	0	0
Nevada	4	6	-38.0%	3	5	1	1	0	0	0	0
New Mexico	17	24	-28.0%	17	24	0	0	0	0	0	0
Utah	5	3	63.0%	5	3	0	0	0	0	0	0
Wyoming	12	15	-24.0%	12	15	0	0	0	0	0	0
Pacific Contiguous	0	0	-100.0%	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	-100.0%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	1,439	1,513	-4.9%	1,198	1,223	241	290	0	0	0	0
Alaska	2	0	--	2	0	0	0	0	0	0	0
Hawaii	1,437	1,513	-5.0%	1,195	1,223	241	290	0	0	0	0
U.S. Total	2,807	5,494	-49.0%	2,015	2,858	724	2,542	0	0	68	94

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

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, February 2016 and 2015
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
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	127	97	31.0%	75	68	47	20	0	0	4	9
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	51	48	6.3%	51	48	0	0	0	0	0	0
Michigan	24	18	29.0%	24	18	0	0	0	0	0	0
Ohio	47	20	140.0%	0	0	47	20	0	0	0	0
Wisconsin	5	11	-53.0%	1	1	0	0	0	0	4	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	129	38	242.0%	129	29	0	0	0	0	0	8
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	129	29	337.0%	129	29	0	0	0	0	0	0
Georgia	0	8	-100.0%	0	0	0	0	0	0	0	8
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	11	32	-66.0%	11	32	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	11	32	-66.0%	11	32	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	141	171	-18.0%	141	171	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	141	171	-18.0%	141	171	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	408	338	21.0%	356	301	47	20	0	0	4	17

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Notes:
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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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) February 2016 and 2015 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 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	242	221	9.7%	135	134	96	71	0	0	11	15
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	109	89	22.0%	109	89	0	0	0	0	0	0
Michigan	24	46	-49.0%	24	43	0	2	0	0	0	0
Ohio	96	69	40.0%	0	0	96	69	0	0	0	0
Wisconsin	13	17	-22.0%	2	1	0	0	0	0	11	15
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	207	199	4.1%	200	169	0	0	0	0	8	31
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	200	169	18.0%	200	169	0	0	0	0	0	0
Georgia	8	31	-75.0%	0	0	0	0	0	0	8	31
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	47	54	-12.0%	47	54	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	47	54	-12.0%	47	54	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	252	348	-28.0%	252	348	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	252	348	-28.0%	252	348	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	749	822	-8.8%	634	704	96	71	0	0	19	46

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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, February 2016 and 2015
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	24,385	18,786	30.0%	21	91	24,338	18,683	0	0	26	13
Connecticut	9,432	7,340	29.0%	0	0	9,432	7,340	0	0	0	0
Maine	1,911	1,325	44.0%	0	0	1,886	1,312	0	0	26	13
Massachusetts	9,368	6,132	53.0%	21	89	9,347	6,043	0	0	0	0
New Hampshire	1,150	2,241	-49.0%	0	2	1,150	2,239	0	0	0	0
Rhode Island	2,524	1,748	44.0%	0	0	2,524	1,748	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	78,105	67,969	15.0%	6,942	6,135	70,930	61,642	0	0	234	191
New Jersey	19,828	16,762	18.0%	0	0	19,828	16,762	0	0	0	0
New York	26,582	26,443	0.5%	6,942	6,135	19,511	20,239	0	0	129	68
Pennsylvania	31,696	24,763	28.0%	0	0	31,591	24,640	0	0	105	123
East North Central	64,102	56,340	14.0%	28,059	23,629	34,871	31,779	395	367	777	565
Illinois	8,049	4,701	71.0%	386	198	7,661	4,500	0	0	1	3
Indiana	11,250	10,672	5.4%	8,696	8,069	2,555	2,603	0	0	0	0
Michigan	16,251	13,983	16.0%	4,449	2,643	10,931	10,680	395	367	476	294
Ohio	18,813	18,639	0.9%	5,351	5,034	13,438	13,539	0	0	24	66
Wisconsin	9,738	8,345	17.0%	9,177	7,685	286	457	0	0	275	203
West North Central	10,524	8,431	25.0%	9,216	7,940	1,226	483	82	5	0	2
Iowa	2,302	1,448	59.0%	2,302	1,446	0	0	0	0	0	2
Kansas	500	765	-35.0%	500	765	0	0	0	0	0	0
Minnesota	4,871	3,271	49.0%	4,190	2,971	680	295	0	5	0	0
Missouri	2,099	2,440	-14.0%	1,472	2,252	546	188	82	1	0	0
Nebraska	91	39	135.0%	91	39	0	0	0	0	0	0
North Dakota	140	40	245.0%	140	40	0	0	0	0	0	0
South Dakota	521	427	22.0%	521	427	0	0	0	0	0	0
South Atlantic	166,207	146,102	14.0%	136,337	120,492	26,839	23,249	0	0	3,031	2,361
Delaware	3,194	2,281	40.0%	0	0	2,099	1,347	0	0	1,094	934
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	77,712	69,948	11.0%	73,768	67,181	3,943	2,767	0	0	0	0
Georgia	26,710	26,660	0.2%	18,201	17,610	7,498	8,325	0	0	1,010	725
Maryland	2,241	1,169	92.0%	0	0	2,088	1,143	0	0	152	26
North Carolina	24,787	20,047	24.0%	22,605	18,142	2,182	1,905	0	0	0	0
South Carolina	7,685	6,999	9.8%	6,529	5,906	1,020	1,044	0	0	136	49
Virginia	23,610	18,626	27.0%	15,219	11,517	7,806	6,482	0	0	585	627
West Virginia	268	372	-28.0%	13	136	203	236	0	0	52	0
East South Central	67,423	73,635	-8.4%	43,848	46,719	23,247	26,324	0	0	328	593
Alabama	27,797	29,889	-7.0%	8,633	8,484	19,164	21,405	0	0	0	0
Kentucky	3,698	5,886	-37.0%	3,679	5,681	19	205	0	0	0	0
Mississippi	29,275	30,359	-3.6%	25,211	25,644	4,064	4,715	0	0	0	0
Tennessee	6,653	7,501	-11.0%	6,325	6,909	0	0	0	0	328	593
West South Central	195,070	216,974	-10.0%	54,288	58,035	95,047	109,910	0	0	45,735	49,030
Arkansas	6,069	12,523	-52.0%	3,079	3,136	2,762	8,994	0	0	228	393
Louisiana	41,999	36,893	14.0%	19,338	20,236	4,923	1,590	0	0	17,738	15,067
Oklahoma	16,288	20,372	-20.0%	12,293	14,447	3,995	5,925	0	0	0	0
Texas	130,713	147,185	-11.0%	19,578	20,215	83,366	93,401	0	0	27,769	33,569
Mountain	42,892	34,351	25.0%	34,844	26,579	8,038	7,735	0	0	10	37
Arizona	12,256	8,595	43.0%	8,334	4,989	3,922	3,606	0	0	0	0
Colorado	6,035	5,288	14.0%	5,076	3,594	959	1,693	0	0	0	0
Idaho	2,256	333	577.0%	1,292	0	964	333	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	13,277	11,816	12.0%	13,277	11,816	0	0	0	0	0	0
New Mexico	5,269	5,050	4.4%	3,093	2,947	2,176	2,103	0	0	0	0
Utah	3,791	3,267	16.0%	3,764	3,230	18	0	0	0	10	37
Wyoming	7	3	138.0%	7	3	0	0	0	0	0	0
Pacific Contiguous	57,915	45,881	26.0%	25,610	19,359	28,997	23,582	0	0	3,308	2,941
California	42,850	40,999	4.5%	16,812	16,885	22,730	21,173	0	0	3,308	2,941
Oregon	9,240	3,621	155.0%	3,335	1,213	5,905	2,409	0	0	0	0
Washington	5,825	1,261	362.0%	5,463	1,261	363	0	0	0	0	0
Pacific Noncontiguous	1,129	1,079	4.6%	1,129	1,079	0	0	0	0	0	0
Alaska	1,129	1,079	4.6%	1,129	1,079	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	707,751	669,546	5.7%	340,293	310,056	313,533	303,386	477	372	53,448	55,731

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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) February 2016 and 2015
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	50,924	43,558	17.0%	36	110	50,841	43,418	0	0	47	30
Connecticut	19,727	17,773	11.0%	0	0	19,727	17,773	0	0	0	0
Maine	4,411	3,238	36.0%	0	0	4,363	3,208	0	0	47	30
Massachusetts	18,469	12,735	45.0%	35	108	18,434	12,627	0	0	0	0
New Hampshire	3,354	5,877	-43.0%	0	2	3,353	5,875	0	0	0	0
Rhode Island	4,963	3,935	26.0%	0	0	4,963	3,935	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	158,583	147,842	7.3%	14,212	14,824	143,934	132,620	0	0	437	397
New Jersey	42,151	34,691	22.0%	0	0	42,151	34,691	0	0	0	0
New York	53,158	57,536	-7.6%	14,212	14,824	38,731	42,569	0	0	216	144
Pennsylvania	63,274	55,614	14.0%	0	0	63,052	55,361	0	0	222	253
East North Central	130,175	112,541	16.0%	56,152	47,631	70,997	63,031	1,504	854	1,521	1,025
Illinois	15,470	9,893	56.0%	578	320	14,887	9,566	0	0	5	8
Indiana	23,839	21,302	12.0%	18,722	16,217	5,117	5,086	0	0	0	0
Michigan	32,597	27,255	20.0%	7,647	5,562	22,634	20,341	1,504	854	812	499
Ohio	38,599	37,759	2.2%	10,855	10,427	27,661	27,204	0	0	82	128
Wisconsin	19,670	16,332	20.0%	18,350	15,106	699	835	0	0	621	390
West North Central	21,266	14,939	42.0%	18,650	13,930	2,438	942	176	63	2	4
Iowa	4,556	2,086	118.0%	4,554	2,082	0	0	0	0	2	4
Kansas	1,152	1,226	-6.1%	1,152	1,226	0	0	0	0	0	0
Minnesota	10,017	5,695	76.0%	8,710	5,052	1,307	585	0	58	0	0
Missouri	4,204	4,801	-12.0%	2,898	4,439	1,131	357	176	5	0	0
Nebraska	165	205	-20.0%	165	205	0	0	0	0	0	0
North Dakota	227	42	437.0%	227	42	0	0	0	0	0	0
South Dakota	946	884	7.0%	946	884	0	0	0	0	0	0
South Atlantic	341,981	307,235	11.0%	282,751	256,454	52,809	45,666	0	0	6,422	5,115
Delaware	6,114	6,330	-3.4%	0	0	3,989	4,164	0	0	2,125	2,166
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	161,911	148,170	9.3%	154,618	143,433	7,293	4,737	0	0	0	0
Georgia	56,708	56,700	0.0%	38,728	37,990	15,765	17,292	0	0	2,215	1,418
Maryland	3,488	2,109	65.0%	0	0	3,182	2,070	0	0	306	38
North Carolina	48,047	41,797	15.0%	43,580	37,802	4,467	3,994	0	0	0	0
South Carolina	17,367	14,130	23.0%	15,446	12,467	1,589	1,535	0	0	332	128
Virginia	47,856	37,391	28.0%	30,334	24,570	16,174	11,457	0	0	1,347	1,364
West Virginia	490	607	-19.0%	44	192	349	415	0	0	97	0
East South Central	144,274	141,802	1.7%	92,078	86,082	51,170	54,549	0	0	1,026	1,171
Alabama	59,780	63,675	-6.1%	18,462	17,752	41,317	45,923	0	0	0	0
Kentucky	9,284	8,313	12.0%	8,946	7,933	338	381	0	0	0	0
Mississippi	61,505	56,980	7.9%	51,990	48,734	9,515	8,246	0	0	0	0
Tennessee	13,706	12,834	6.8%	12,680	11,664	0	0	0	0	1,026	1,171
West South Central	426,142	446,892	-4.6%	118,840	114,006	210,022	231,889	0	0	97,281	100,996
Arkansas	14,947	22,554	-34.0%	7,819	4,797	6,614	16,970	0	0	514	787
Louisiana	87,651	76,799	14.0%	41,594	40,454	10,025	3,117	0	0	36,032	33,228
Oklahoma	37,987	41,074	-7.5%	27,328	28,866	10,660	12,209	0	0	0	0
Texas	285,557	306,464	-6.8%	42,099	39,890	182,723	199,593	0	0	60,735	66,981
Mountain	95,049	75,026	27.0%	76,464	57,354	18,571	17,619	0	0	14	52
Arizona	27,386	19,741	39.0%	18,148	10,505	9,238	9,236	0	0	0	0
Colorado	13,683	11,437	20.0%	11,257	8,358	2,426	3,079	0	0	0	0
Idaho	4,983	2,490	100.0%	2,760	1,412	2,223	1,078	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	29,552	23,408	26.0%	29,552	23,408	0	0	0	0	0	0
New Mexico	11,355	10,990	3.3%	6,689	6,789	4,666	4,201	0	0	0	0
Utah	8,080	6,945	16.0%	8,048	6,868	18	25	0	0	14	52
Wyoming	10	14	-32.0%	10	14	0	0	0	0	0	0
Pacific Contiguous	130,284	111,763	17.0%	55,630	46,502	67,920	59,695	0	0	6,734	5,566
California	96,727	94,996	1.8%	35,675	36,671	54,318	52,759	0	0	6,734	5,566
Oregon	19,557	11,851	65.0%	7,197	4,915	12,360	6,936	0	0	0	0
Washington	14,000	4,915	185.0%	12,758	4,915	1,242	0	0	0	0	0
Pacific Noncontiguous	2,442	2,987	-18.0%	2,442	2,987	0	0	0	0	0	0
Alaska	2,442	2,987	-18.0%	2,442	2,987	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,501,120	1,404,585	6.9%	717,255	639,882	668,702	649,430	1,680	917	113,483	114,356

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

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015
New England	W	W	W	--	4.09	W	W
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	--	4.09	--	--	4.09	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.13	2.73	-22.0%	--	--	2.13	2.73
New Jersey	W	4.01	W	--	--	W	4.01
New York	--	3.15	--	--	--	--	3.15
Pennsylvania	W	2.68	W	--	--	W	2.68
East North Central	2.09	2.23	-6.3%	2.18	2.32	1.96	2.09
Illinois	W	1.97	W	2.00	2.02	W	1.96
Indiana	W	W	W	2.25	2.34	W	W
Michigan	2.35	2.62	-10.0%	2.35	2.62	--	--
Ohio	2.08	W	W	2.01	2.17	2.12	W
Wisconsin	2.12	2.36	-10.0%	2.12	2.36	--	--
West North Central	1.72	1.79	-3.9%	1.72	1.79	--	--
Iowa	1.58	1.66	-4.8%	1.58	1.66	--	--
Kansas	1.76	1.76	0.0%	1.76	1.76	--	--
Minnesota	2.10	1.96	7.1%	2.10	1.96	--	--
Missouri	1.88	1.97	-4.6%	1.88	1.97	--	--
Nebraska	1.33	1.37	-2.9%	1.33	1.37	--	--
North Dakota	1.51	1.56	-3.2%	1.51	1.56	--	--
South Dakota	2.14	2.21	-3.2%	2.14	2.21	--	--
South Atlantic	2.74	2.97	-7.7%	2.80	3.02	2.28	2.66
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	2.98	3.10	W	W
Georgia	2.96	3.00	-1.3%	2.96	3.00	--	--
Maryland	2.55	2.89	-12.0%	--	--	2.55	2.89
North Carolina	3.16	3.58	-12.0%	3.16	3.58	--	--
South Carolina	3.22	3.65	-12.0%	3.22	3.65	--	--
Virginia	W	W	W	2.98	2.99	W	W
West Virginia	W	2.39	W	2.26	2.42	W	2.22
East South Central	W	W	W	2.22	2.34	W	W
Alabama	2.47	2.38	3.8%	2.47	2.38	--	--
Kentucky	2.12	2.26	-6.2%	2.12	2.26	--	--
Mississippi	W	W	W	2.80	3.36	W	W
Tennessee	2.19	2.44	-10.0%	2.19	2.44	--	--
West South Central	1.90	2.07	-8.2%	2.18	2.17	1.60	1.94
Arkansas	W	W	W	2.30	2.08	W	W
Louisiana	W	W	W	2.63	2.83	W	W
Oklahoma	W	W	W	1.94	2.03	W	W
Texas	1.73	2.01	-14.0%	2.10	2.17	1.57	1.90
Mountain	W	W	W	1.80	1.90	W	W
Arizona	2.19	2.01	9.0%	2.19	2.01	--	--
Colorado	1.84	1.84	0.0%	1.84	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	--	2.72	W	W
New Mexico	1.71	2.41	-29.0%	1.71	2.41	--	--
Utah	1.94	1.95	-0.5%	1.94	1.95	--	--
Wyoming	1.44	1.53	-5.9%	1.44	1.53	--	--
Pacific Contiguous	W	W	W	2.35	2.46	W	W
California	--	--	--	--	--	--	--
Oregon	2.35	2.46	-4.5%	2.35	2.46	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	3.11	--	W	W
Alaska	3.11	--	--	3.11	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.10	2.25	-6.7%	2.16	2.26	1.92	2.24

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

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) February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	W	3.69	W	--	3.71	W	3.69
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	--	3.71	--	--	3.71	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.14	2.64	-19.0%	--	--	2.14	2.64
New Jersey	W	4.06	W	--	--	W	4.06
New York	--	3.13	--	--	--	--	3.13
Pennsylvania	W	2.57	W	--	--	W	2.57
East North Central	2.10	2.23	-5.8%	2.19	2.32	1.96	2.09
Illinois	W	1.98	W	2.00	2.04	W	1.96
Indiana	W	W	W	2.27	2.38	W	W
Michigan	2.35	W	W	2.35	2.57	--	W
Ohio	2.10	W	W	2.06	2.15	2.12	W
Wisconsin	2.12	2.35	-9.8%	2.12	2.35	--	--
West North Central	1.71	1.79	-4.5%	1.71	1.79	--	--
Iowa	1.58	1.69	-6.5%	1.58	1.69	--	--
Kansas	1.72	1.77	-2.8%	1.72	1.77	--	--
Minnesota	2.11	1.99	6.0%	2.11	1.99	--	--
Missouri	1.88	1.97	-4.6%	1.88	1.97	--	--
Nebraska	1.32	1.38	-4.3%	1.32	1.38	--	--
North Dakota	1.47	1.50	-2.0%	1.47	1.50	--	--
South Dakota	2.19	2.17	0.9%	2.19	2.17	--	--
South Atlantic	2.74	2.99	-8.4%	2.80	3.03	2.29	2.72
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	2.97	3.14	W	W
Georgia	2.89	3.00	-3.7%	2.89	3.00	--	--
Maryland	2.55	2.96	-14.0%	--	--	2.55	2.96
North Carolina	3.14	3.56	-12.0%	3.14	3.56	--	--
South Carolina	3.29	3.63	-9.4%	3.29	3.63	--	--
Virginia	W	W	W	2.94	3.05	W	W
West Virginia	W	2.36	W	2.30	2.39	W	2.21
East South Central	W	W	W	2.22	2.36	W	W
Alabama	2.42	2.41	0.4%	2.42	2.41	--	--
Kentucky	2.13	2.27	-6.2%	2.13	2.27	--	--
Mississippi	W	W	W	2.78	3.28	W	W
Tennessee	2.24	2.42	-7.4%	2.24	2.42	--	--
West South Central	1.92	2.09	-8.1%	2.21	2.21	1.63	1.94
Arkansas	W	W	W	2.29	2.22	W	W
Louisiana	W	W	W	2.66	2.77	W	W
Oklahoma	W	W	W	1.98	2.02	W	W
Texas	1.76	2.03	-13.0%	2.12	2.20	1.59	1.91
Mountain	W	W	W	1.87	1.91	W	W
Arizona	2.16	2.03	6.4%	2.16	2.03	--	--
Colorado	1.83	1.84	-0.5%	1.83	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	1.96	2.67	W	W
New Mexico	2.06	2.45	-16.0%	2.06	2.45	--	--
Utah	1.94	1.96	-1.0%	1.94	1.96	--	--
Wyoming	1.58	1.53	3.3%	1.58	1.53	--	--
Pacific Contiguous	W	W	W	2.32	2.45	W	W
California	--	--	--	--	--	--	--
Oregon	2.32	2.45	-5.3%	2.32	2.45	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	3.13	--	W	W
Alaska	3.13	--	--	3.13	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.11	2.27	-7.0%	2.16	2.28	1.93	2.22

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

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, February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015
New England	W	W	W	9.37	20.05	W	W
Connecticut	8.70	W	W	--	--	8.70	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	22.06	W	W
New Hampshire	9.37	14.70	-36.0%	9.37	14.70	--	--
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	6.40	13.49	-53.0%	8.29	10.90	6.26	14.00
New Jersey	W	W	W	--	--	W	W
New York	W	13.19	W	8.29	10.90	W	13.70
Pennsylvania	8.25	W	W	--	--	8.25	W
East North Central	8.68	14.87	-42.0%	8.59	14.85	9.09	14.92
Illinois	W	14.90	W	8.78	14.40	W	15.27
Indiana	8.44	15.44	-45.0%	8.44	15.44	--	--
Michigan	8.24	13.79	-40.0%	8.24	13.79	--	--
Ohio	W	14.77	W	9.06	14.46	W	14.86
Wisconsin	8.82	15.79	-44.0%	8.82	15.79	--	--
West North Central	7.89	14.57	-46.0%	7.89	14.57	--	--
Iowa	8.24	13.69	-40.0%	8.24	13.69	--	--
Kansas	--	14.33	--	--	14.33	--	--
Minnesota	9.01	14.45	-38.0%	9.01	14.45	--	--
Missouri	8.07	14.49	-44.0%	8.07	14.49	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	6.59	16.63	-60.0%	6.59	16.63	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	7.73	15.07	-49.0%	7.58	14.56	8.66	16.20
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	8.86	15.27	-42.0%	8.86	15.27	--	--
Georgia	8.07	24.73	-67.0%	8.07	46.30	--	14.85
Maryland	7.49	W	W	--	--	7.49	W
North Carolina	W	W	W	8.22	15.21	W	W
South Carolina	9.26	16.10	-42.0%	9.26	16.10	--	--
Virginia	W	13.95	W	7.00	11.80	W	20.04
West Virginia	9.04	W	W	9.04	15.41	--	W
East South Central	8.23	W	W	8.23	14.57	--	W
Alabama	9.28	W	W	9.28	14.38	--	W
Kentucky	8.31	15.09	-45.0%	8.31	15.09	--	--
Mississippi	7.99	13.67	-42.0%	7.99	13.67	--	--
Tennessee	7.94	14.51	-45.0%	7.94	14.51	--	--
West South Central	7.64	14.66	-48.0%	7.86	15.08	6.89	14.36
Arkansas	7.66	W	W	7.66	15.13	--	W
Louisiana	W	W	W	--	--	W	W
Oklahoma	9.12	22.28	-59.0%	9.12	22.28	--	--
Texas	W	W	W	8.05	14.55	W	W
Mountain	W	W	W	9.00	15.66	W	W
Arizona	9.03	14.40	-37.0%	9.03	14.40	--	--
Colorado	8.71	--	--	8.71	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	9.62	16.27	W	W
New Mexico	8.81	18.44	-52.0%	8.81	18.44	--	--
Utah	5.90	14.70	-60.0%	5.90	14.70	--	--
Wyoming	10.74	14.13	-24.0%	10.74	14.13	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	6.23	9.58	W	W
Alaska	11.77	--	--	11.77	--	--	--
Hawaii	W	W	W	6.22	9.58	W	W
U.S. Total	6.92	12.51	-45.0%	6.93	11.71	6.90	13.15

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Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

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) February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	9.88	W	W	9.78	18.20	9.90	W
Connecticut	8.43	15.57	-46.0%	--	--	8.43	15.57
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	22.24	22.06	W	W
New Hampshire	9.26	13.60	-32.0%	9.26	13.60	--	--
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	13.22	W	8.18	9.90	W	14.93
New Jersey	W	18.89	W	--	--	W	18.89
New York	6.19	13.05	-53.0%	8.18	9.90	5.99	14.92
Pennsylvania	8.18	13.86	-41.0%	--	--	8.18	13.86
East North Central	8.47	13.69	-38.0%	8.31	13.65	8.88	13.77
Illinois	W	14.01	W	8.76	13.69	W	14.16
Indiana	8.54	13.97	-39.0%	8.54	13.97	--	--
Michigan	7.95	12.97	-39.0%	7.95	12.97	--	--
Ohio	W	13.27	W	7.90	12.63	W	13.71
Wisconsin	11.99	15.67	-23.0%	11.99	15.67	--	--
West North Central	7.79	12.69	-39.0%	7.79	12.69	--	--
Iowa	8.12	11.77	-31.0%	8.12	11.77	--	--
Kansas	7.68	13.04	-41.0%	7.68	13.04	--	--
Minnesota	9.33	13.66	-32.0%	9.33	13.66	--	--
Missouri	8.07	12.47	-35.0%	8.07	12.47	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	6.47	13.49	-52.0%	6.47	13.49	--	--
South Dakota	7.54	12.44	-39.0%	7.54	12.44	--	--
South Atlantic	W	14.48	W	8.08	14.28	W	14.93
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	8.80	14.96	-41.0%	8.80	14.96	--	--
Georgia	7.93	19.25	-59.0%	8.11	26.92	7.60	14.11
Maryland	6.65	W	W	--	--	6.65	W
North Carolina	W	W	W	7.92	14.25	W	W
South Carolina	9.38	14.83	-37.0%	9.38	14.83	--	--
Virginia	W	13.99	W	7.65	12.13	W	19.70
West Virginia	9.28	W	W	9.28	14.66	--	W
East South Central	W	W	W	7.89	12.51	W	W
Alabama	W	W	W	7.83	12.78	W	W
Kentucky	8.15	13.38	-39.0%	8.15	13.38	--	--
Mississippi	7.75	12.31	-37.0%	7.75	12.31	--	--
Tennessee	7.76	12.20	-36.0%	7.76	12.20	--	--
West South Central	8.02	12.30	-35.0%	8.04	12.17	7.96	12.53
Arkansas	W	W	W	7.65	14.98	W	W
Louisiana	W	W	W	--	11.39	W	W
Oklahoma	10.77	22.28	-52.0%	10.77	22.28	--	--
Texas	W	W	W	8.19	14.09	W	W
Mountain	W	W	W	9.78	14.63	W	W
Arizona	11.41	14.08	-19.0%	11.41	14.08	--	--
Colorado	10.02	15.38	-35.0%	10.02	15.38	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	11.08	17.43	W	W
New Mexico	8.66	15.47	-44.0%	8.66	15.47	--	--
Utah	7.73	10.99	-30.0%	7.73	10.99	--	--
Wyoming	10.67	13.91	-23.0%	10.67	13.91	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	6.92	10.78	W	W
Alaska	11.49	--	--	11.49	--	--	--
Hawaii	W	W	W	6.92	10.78	W	W
U.S. Total	7.43	12.60	-41.0%	7.42	11.75	7.46	13.64

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

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, February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.07	1.07	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	0.93	3.2%	0.96	0.93	--	--
Michigan	1.27	1.44	-12.0%	1.27	1.44	--	--
Ohio	W	W	W	--	--	W	W
Wisconsin	1.70	1.61	5.6%	1.70	1.61	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.16	1.97	-41.0%	1.16	1.97	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.16	1.97	-41.0%	1.16	1.97	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.59	1.75	-9.1%	1.59	1.75	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.59	1.75	-9.1%	1.59	1.75	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.10	1.92	-43.0%	1.10	1.92	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.10	1.92	-43.0%	1.10	1.92	--	--
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	1.13	1.72	W	W

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
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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.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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) February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.02	1.09	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	0.92	4.3%	0.96	0.92	--	--
Michigan	1.27	W	W	1.27	1.45	--	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.73	1.61	7.5%	1.73	1.61	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.18	2.32	-49.0%	1.18	2.32	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.18	2.32	-49.0%	1.18	2.32	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.61	1.79	-10.0%	1.61	1.79	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.61	1.79	-10.0%	1.61	1.79	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.09	1.92	-43.0%	1.09	1.92	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.09	1.92	-43.0%	1.09	1.92	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.31	1.90	-31.0%	1.14	1.84	2.50	2.45

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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 EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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, February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016	February 2015	Percentage Change	February 2016	February 2015	February 2016	February 2015
New England	4.18	13.13	-68.0%	4.35	14.80	4.18	13.12
Connecticut	5.48	12.42	-56.0%	--	--	5.48	12.42
Maine	W	W	W	--	--	W	W
Massachusetts	3.35	13.15	-75.0%	4.35	14.96	3.35	13.12
New Hampshire	W	W	W	5.71	6.52	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.72	8.98	-70.0%	3.60	10.67	2.62	8.79
New Jersey	2.72	9.49	-71.0%	--	--	2.72	9.49
New York	3.30	9.64	-66.0%	3.60	10.67	3.18	9.28
Pennsylvania	2.24	7.99	-72.0%	--	--	2.24	7.99
East North Central	2.25	3.71	-39.0%	2.41	3.76	2.12	3.68
Illinois	W	4.77	W	2.87	4.46	W	4.79
Indiana	W	W	W	2.50	3.68	W	W
Michigan	2.30	4.01	-43.0%	2.43	3.95	2.24	4.03
Ohio	1.88	3.16	-41.0%	1.88	3.57	1.88	3.01
Wisconsin	W	W	W	2.60	3.89	W	W
West North Central	W	W	W	2.75	4.32	W	W
Iowa	2.44	4.46	-45.0%	2.44	4.46	--	--
Kansas	4.10	4.34	-5.5%	4.10	4.34	--	--
Minnesota	W	W	W	3.00	5.12	W	W
Missouri	W	W	W	2.38	3.44	W	W
Nebraska	2.66	4.65	-43.0%	2.66	4.65	--	--
North Dakota	2.23	2.93	-24.0%	2.23	2.93	--	--
South Dakota	1.96	2.89	-32.0%	1.96	2.89	--	--
South Atlantic	3.44	5.77	-40.0%	3.54	5.93	2.70	4.54
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.67	W	3.89	4.70	W	3.20
Georgia	W	W	W	2.53	3.48	W	W
Maryland	5.32	W	W	--	--	5.32	W
North Carolina	W	W	W	3.61	9.60	W	W
South Carolina	W	W	W	3.00	4.25	W	W
Virginia	W	W	W	3.21	11.83	W	W
West Virginia	1.91	W	W	1.95	3.53	1.91	W
East South Central	2.36	W	W	2.40	3.28	2.25	W
Alabama	W	W	W	2.51	3.17	W	W
Kentucky	W	W	W	3.31	3.99	W	W
Mississippi	W	W	W	2.26	3.17	W	W
Tennessee	2.31	3.23	-28.0%	2.31	3.23	--	--
West South Central	2.15	3.05	-30.0%	2.29	3.20	2.06	2.94
Arkansas	W	W	W	2.00	3.54	W	W
Louisiana	W	W	W	2.29	3.16	W	W
Oklahoma	W	W	W	2.30	3.15	W	W
Texas	2.13	3.00	-29.0%	2.32	3.22	2.08	2.94
Mountain	W	3.70	W	2.71	3.63	W	4.85
Arizona	W	W	W	2.80	3.87	W	W
Colorado	W	W	W	3.10	4.90	W	W
Idaho	2.25	--	--	2.25	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	2.67	3.40	-21.0%	2.67	3.40	--	--
New Mexico	2.43	3.00	-19.0%	2.43	3.00	--	--
Utah	W	3.23	W	2.45	3.23	W	--
Wyoming	7.56	8.73	-13.0%	7.56	8.73	--	--
Pacific Contiguous	2.64	3.52	-25.0%	3.05	3.85	2.26	3.12
California	2.77	3.61	-23.0%	3.26	3.95	2.40	3.19
Oregon	W	3.03	W	2.04	3.44	W	2.82
Washington	W	3.26	W	3.16	3.26	W	--
Pacific Noncontiguous	6.40	5.46	17.0%	6.40	5.46	--	--
Alaska	6.40	5.46	17.0%	6.40	5.46	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.73	4.84	-44.0%	2.96	4.59	2.43	5.17

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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 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 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) February 2016 and 2015
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2016 YTD	February 2015 YTD	Percentage Change	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	4.71	11.47	-59.0%	4.86	14.43	4.71	11.46
Connecticut	5.73	10.31	-44.0%	--	--	5.73	10.31
Maine	W	W	W	--	--	W	W
Massachusetts	3.91	12.42	-69.0%	4.87	14.63	3.91	12.40
New Hampshire	W	W	W	3.68	5.63	W	W
Rhode Island	W	11.88	W	--	--	W	11.88
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.87	6.98	-59.0%	3.81	8.89	2.77	6.73
New Jersey	2.82	7.53	-63.0%	--	--	2.82	7.53
New York	3.47	7.72	-55.0%	3.81	8.89	3.33	7.24
Pennsylvania	2.41	5.92	-59.0%	--	--	2.41	5.92
East North Central	2.37	3.49	-32.0%	2.53	3.54	2.24	3.46
Illinois	W	4.02	W	3.17	4.37	W	4.01
Indiana	W	W	W	2.62	3.56	W	W
Michigan	2.44	3.77	-35.0%	2.57	3.64	2.39	3.81
Ohio	1.98	2.97	-33.0%	2.02	3.08	1.96	2.93
Wisconsin	W	W	W	2.71	3.78	W	W
West North Central	W	W	W	2.87	4.33	W	W
Iowa	2.62	4.55	-42.0%	2.62	4.55	--	--
Kansas	4.12	4.62	-11.0%	4.12	4.62	--	--
Minnesota	W	W	W	3.03	5.15	W	W
Missouri	W	W	W	2.56	3.50	W	W
Nebraska	2.96	4.33	-32.0%	2.96	4.33	--	--
North Dakota	2.31	2.93	-21.0%	2.31	2.93	--	--
South Dakota	2.17	2.83	-23.0%	2.17	2.83	--	--
South Atlantic	3.55	5.21	-32.0%	3.65	5.37	2.70	4.01
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.74	W	3.91	4.76	W	3.25
Georgia	2.76	W	W	2.73	3.59	2.83	W
Maryland	4.63	W	W	--	--	4.63	W
North Carolina	W	W	W	3.85	7.56	W	W
South Carolina	W	W	W	3.09	4.34	W	W
Virginia	W	W	W	3.53	8.76	W	W
West Virginia	1.98	3.30	-40.0%	2.01	3.34	1.98	3.28
East South Central	2.79	3.35	-17.0%	2.90	3.36	2.56	3.32
Alabama	W	W	W	2.65	3.25	W	W
Kentucky	W	W	W	3.31	4.41	W	W
Mississippi	W	W	W	3.03	3.24	W	W
Tennessee	2.44	3.37	-28.0%	2.44	3.37	--	--
West South Central	2.32	3.12	-26.0%	2.43	3.28	2.25	3.02
Arkansas	W	W	W	2.35	3.68	W	W
Louisiana	W	W	W	2.40	3.20	W	W
Oklahoma	W	W	W	2.49	3.28	W	W
Texas	2.30	3.08	-25.0%	2.45	3.31	2.26	3.03
Mountain	W	W	W	2.82	3.80	W	W
Arizona	W	W	W	2.95	4.10	W	W
Colorado	W	4.64	W	3.09	4.57	W	4.88
Idaho	2.47	3.03	-18.0%	2.47	3.03	--	--
Montana	--	--	--	--	--	--	--
Nevada	2.77	3.67	-25.0%	2.77	3.67	--	--
New Mexico	2.61	3.32	-21.0%	2.61	3.32	--	--
Utah	W	W	W	2.58	3.44	W	W
Wyoming	8.69	6.31	38.0%	8.69	6.31	--	--
Pacific Contiguous	2.79	3.65	-24.0%	3.13	3.98	2.48	3.28
California	2.88	3.72	-23.0%	3.31	4.05	2.59	3.36
Oregon	W	3.14	W	2.29	3.45	W	2.93
Washington	W	4.08	W	3.20	4.08	W	--
Pacific Noncontiguous	6.42	5.76	11.0%	6.42	5.76	--	--
Alaska	6.42	5.76	11.0%	6.42	5.76	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.90	4.49	-35.0%	3.13	4.41	2.61	4.58

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

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

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, February 2016

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	113	0.66	9.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.79	8.3	0	--	--	0	--	--
Massachusetts	105	0.65	9.3	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,623	2.94	10.5	0	--	--	0	--	--
New Jersey	32	0.81	7.0	0	--	--	0	--	--
New York	16	1.56	7.0	0	--	--	0	--	--
Pennsylvania	1,575	3.00	10.6	0	--	--	0	--	--
East North Central	5,827	3.18	10.2	4,532	0.22	4.9	0	--	--
Illinois	800	3.80	20.8	2,204	0.21	4.8	0	--	--
Indiana	2,306	2.86	8.8	147	0.21	4.8	0	--	--
Michigan	158	2.51	7.5	939	0.24	5.1	0	--	--
Ohio	2,507	3.35	9.1	15	0.27	4.8	0	--	--
Wisconsin	55	2.69	7.5	1,227	0.25	5.2	0	--	--
West North Central	76	3.32	9.4	7,581	0.26	5.1	1,851	0.85	10.2
Iowa	33	3.40	7.5	1,338	0.22	4.9	0	--	--
Kansas	18	3.46	13.7	884	0.29	5.0	0	--	--
Minnesota	0	--	--	1,035	0.39	6.5	0	--	--
Missouri	26	3.13	8.9	3,038	0.21	4.7	0	--	--
Nebraska	0	--	--	1,108	0.29	5.2	0	--	--
North Dakota	0	--	--	67	0.34	4.3	1,851	0.85	10.2
South Dakota	0	--	--	111	0.41	5.4	0	--	--
South Atlantic	6,754	2.20	10.6	744	0.34	4.7	0	--	--
Delaware	35	2.62	7.4	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,105	2.19	8.8	0	--	--	0	--	--
Georgia	443	2.10	9.3	744	0.34	4.7	0	--	--
Maryland	264	2.27	10.9	0	0.20	4.6	0	--	--
North Carolina	888	1.62	9.8	0	--	--	0	--	--
South Carolina	773	1.45	9.0	0	--	--	0	--	--
Virginia	755	1.19	14.6	0	--	--	0	--	--
West Virginia	2,491	2.93	11.3	0	--	--	0	--	--
East South Central	3,398	2.59	9.2	1,442	0.24	5.1	303	0.38	12.6
Alabama	524	1.18	9.9	656	0.24	5.2	0	--	--
Kentucky	2,413	2.98	9.3	612	0.25	5.1	0	--	--
Mississippi	60	2.27	9.2	0	--	--	303	0.38	12.6
Tennessee	401	2.06	7.8	174	0.19	4.6	0	--	--
West South Central	76	1.89	17.9	4,320	0.28	5.2	3,233	0.95	16.5
Arkansas	6	0.66	9.3	1,081	0.24	5.2	0	--	--
Louisiana	28	3.12	8.9	219	0.27	5.4	252	0.54	15.8
Oklahoma	41	1.18	26.2	799	0.26	5.0	0	--	--
Texas	0	--	--	2,221	0.31	5.3	2,981	0.98	16.5
Mountain	2,043	0.62	13.8	5,192	0.50	8.6	0	--	--
Arizona	318	0.54	10.7	964	0.57	10.1	0	--	--
Colorado	214	0.56	11.4	1,116	0.31	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	737	0.67	9.6	0	--	--
Nevada	0	--	--	29	0.24	5.9	0	--	--
New Mexico	463	0.80	24.0	350	0.84	20.9	0	--	--
Utah	1,048	0.58	11.3	6	0.64	8.9	0	--	--
Wyoming	0	--	--	1,990	0.47	7.2	0	--	--
Pacific Contiguous	22	0.59	10.2	349	0.41	8.9	0	--	--
California	22	0.59	10.2	0	--	--	0	--	--
Oregon	0	--	--	56	0.21	4.2	0	--	--
Washington	0	--	--	293	0.44	9.7	0	--	--
Pacific Noncontiguous	63	1.20	4.1	0	--	--	23	0.14	7.2
Alaska	0	--	--	0	--	--	23	0.14	7.2
Hawaii	63	1.20	4.1	0	--	--	0	--	--
U.S. Total	19,994	2.45	10.5	24,160	0.31	5.9	5,410	0.88	14.1

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NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2015 and 2016 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 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, February 2016

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	3,347	2.94	8.6	2,936	0.23	5.0	0	--	--
Illinois	129	3.51	10.0	649	0.20	4.8	0	--	--
Indiana	2,134	2.83	8.7	147	0.21	4.8	0	--	--
Michigan	155	2.54	7.6	939	0.24	5.1	0	--	--
Ohio	883	3.21	8.6	0	--	--	0	--	--
Wisconsin	46	2.68	7.5	1,202	0.25	5.2	0	--	--
West North Central	38	3.32	11.2	7,517	0.26	5.1	1,851	0.85	10.2
Iowa	0	--	--	1,274	0.22	5.0	0	--	--
Kansas	18	3.46	13.7	884	0.29	5.0	0	--	--
Minnesota	0	--	--	1,035	0.39	6.5	0	--	--
Missouri	20	3.21	9.0	3,038	0.21	4.7	0	--	--
Nebraska	0	--	--	1,108	0.29	5.2	0	--	--
North Dakota	0	--	--	67	0.34	4.3	1,851	0.85	10.2
South Dakota	0	--	--	111	0.41	5.4	0	--	--
South Atlantic	5,910	2.10	10.5	744	0.34	4.7	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,092	2.21	8.8	0	--	--	0	--	--
Georgia	443	2.10	9.3	744	0.34	4.7	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	888	1.62	9.8	0	--	--	0	--	--
South Carolina	755	1.47	9.0	0	--	--	0	--	--
Virginia	682	1.18	15.2	0	--	--	0	--	--
West Virginia	2,050	2.77	11.1	0	--	--	0	--	--
East South Central	3,281	2.66	9.3	1,442	0.24	5.1	0	--	--
Alabama	524	1.18	9.9	656	0.24	5.2	0	--	--
Kentucky	2,413	2.98	9.3	612	0.25	5.1	0	--	--
Mississippi	60	2.27	9.2	0	--	--	0	--	--
Tennessee	284	2.60	8.1	174	0.19	4.6	0	--	--
West South Central	28	3.12	8.9	2,852	0.25	5.2	831	1.04	18.2
Arkansas	0	--	--	949	0.25	5.3	0	--	--
Louisiana	28	3.12	8.9	186	0.25	5.5	252	0.54	15.8
Oklahoma	0	--	--	771	0.26	4.9	0	--	--
Texas	0	--	--	946	0.26	5.2	579	1.29	19.4
Mountain	2,037	0.62	13.8	4,427	0.48	8.5	0	--	--
Arizona	318	0.54	10.7	964	0.57	10.1	0	--	--
Colorado	214	0.56	11.4	1,116	0.31	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	463	0.80	24.0	350	0.84	20.9	0	--	--
Utah	1,042	0.58	11.3	6	0.64	8.9	0	--	--
Wyoming	0	--	--	1,990	0.47	7.2	0	--	--
Pacific Contiguous	0	--	--	56	0.21	4.2	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	56	0.21	4.2	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	23	0.14	7.2
Alaska	0	--	--	0	--	--	23	0.14	7.2
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	14,641	2.23	10.2	19,974	0.31	5.8	2,704	0.90	12.6

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2015 and 2016 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 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, February 2016

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	112	0.66	9.3	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	6	0.79	8.3	0	--	--	0	--	--
Massachusetts	105	0.65	9.3	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,595	2.96	10.5	0	--	--	0	--	--
New Jersey	32	0.81	7.0	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	1,563	3.01	10.6	0	--	--	0	--	--
East North Central	2,339	3.51	12.6	1,522	0.20	4.7	0	--	--
Illinois	566	3.96	27.0	1,507	0.20	4.7	0	--	--
Indiana	171	3.28	10.3	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	1,601	3.43	9.3	15	0.27	4.8	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	769	3.01	11.1	0	0.20	4.6	0	--	--
Delaware	35	2.62	7.4	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	13	0.85	10.5	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	243	2.28	10.0	0	0.20	4.6	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	45	0.88	8.7	0	--	--	0	--	--
West Virginia	433	3.76	12.3	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	303	0.38	12.6
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	303	0.38	12.6
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	41	1.18	26.2	1,467	0.35	5.4	2,402	0.92	15.9
Arkansas	0	--	--	132	0.24	5.2	0	--	--
Louisiana	0	--	--	33	0.36	4.9	0	--	--
Oklahoma	41	1.18	26.2	28	0.26	5.2	0	--	--
Texas	0	--	--	1,275	0.36	5.4	2,402	0.92	15.9
Mountain	0	--	--	766	0.66	9.5	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	737	0.67	9.6	0	--	--
Nevada	0	--	--	29	0.24	5.9	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	293	0.44	9.7	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	293	0.44	9.7	0	--	--
Pacific Noncontiguous	63	1.20	4.1	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.20	4.1	0	--	--	0	--	--
U.S. Total	4,919	3.14	11.5	4,048	0.36	6.2	2,705	0.87	15.6

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2015 and 2016 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, February 2016

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	5	2.84	8.6	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	5	2.84	8.6	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	5	2.84	8.6	0	--	--	0	--	--

Displayed values of zero may represent small values that round to zero.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2015 and 2016 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, February 2016

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	0.79	8.3	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.79	8.3	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	27	1.77	8.5	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	16	1.56	7.0	0	--	--	0	--	--
Pennsylvania	11	2.08	10.9	0	--	--	0	--	--
East North Central	141	3.27	8.4	74	0.42	5.6	0	--	--
Illinois	105	3.51	8.1	49	0.46	5.6	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	3	0.53	6.9	0	--	--	0	--	--
Ohio	23	2.86	10.2	0	--	--	0	--	--
Wisconsin	9	2.74	7.8	26	0.33	5.6	0	--	--
West North Central	33	3.40	7.5	64	0.18	4.4	0	--	--
Iowa	33	3.40	7.5	64	0.18	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	74	1.58	13.5	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	21	2.05	22.4	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	18	0.75	7.5	0	--	--	0	--	--
Virginia	27	1.86	11.3	0	--	--	0	--	--
West Virginia	8	1.36	14.2	0	--	--	0	--	--
East South Central	117	0.84	6.9	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	117	0.84	6.9	0	--	--	0	--	--
West South Central	6	0.66	9.3	0	--	--	0	--	--
Arkansas	6	0.66	9.3	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	6	0.59	10.5	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	6	0.59	10.5	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	22	0.59	10.2	0	--	--	0	--	--
California	22	0.59	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	428	1.93	9.0	138	0.31	5.1	0	--	--

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W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2015 and 2016 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, 2006 - February 2016 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2006	1,351,520	1,299,744	1,011,298	7,358	3,669,919
2007	1,392,241	1,336,315	1,027,832	8,173	3,764,561
2008	1,380,662	1,336,133	1,009,516	7,653	3,733,965
2009	1,364,758	1,306,853	917,416	7,768	3,596,795
2010	1,445,708	1,330,199	971,221	7,712	3,754,841
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,394,812	1,337,079	985,352	7,625	3,724,868
2014	1,407,208	1,352,158	997,576	7,758	3,764,700
2015	1,399,884	1,358,419	958,563	7,659	3,724,525
Year 2014					
January	146,511	113,866	80,149	712	341,238
February	128,475	104,353	75,413	700	308,941
March	114,233	106,968	80,539	648	302,388
April	92,290	102,459	80,505	640	275,894
May	95,727	109,666	85,383	646	291,421
June	118,049	118,423	85,711	609	322,792
July	137,028	125,434	88,417	645	351,524
August	135,830	125,603	89,808	642	351,883
Sept	120,741	120,049	85,489	628	326,907
October	98,038	113,023	84,994	625	296,680
November	99,486	104,245	81,044	637	285,413
December	120,801	108,070	80,123	626	309,620
Year 2015					
January	137,531	110,941	77,242	670	326,384
February	123,777	105,514	74,512	702	304,505
March	116,865	107,786	77,394	682	302,727
April	89,926	103,973	78,056	623	272,578
May	94,863	109,127	80,738	611	285,339
June	119,926	119,112	83,772	612	323,422
July	145,418	128,448	85,400	650	359,916
August	144,091	128,387	85,891	627	358,996
Sept	124,992	122,116	82,342	617	330,068
October	99,076	112,761	80,915	638	293,390
November	92,383	103,942	76,378	606	273,309
December	111,033	106,312	75,923	622	293,890
Year 2016					
January	130,795	110,334	76,287	659	318,075
February	115,913	103,340	74,291	650	294,194
Year to Date					
2014	274,987	218,219	155,562	1,412	650,179
2015	261,309	216,455	151,754	1,372	630,890
2016	246,708	213,674	150,578	1,309	612,269
Rolling 12 Months Ending in February					
2015	1,393,530	1,350,394	993,768	7,718	3,745,410
2016	1,385,283	1,355,638	957,387	7,596	3,705,904

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2016 and 2015 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.2. Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2006 - February 2016 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2006	140,582	122,914	62,308	702	326,506
2007	148,295	128,903	65,712	792	343,703
2008	155,496	137,036	70,231	820	363,583
2009	157,044	132,747	62,670	828	353,289
2010	166,778	135,554	65,772	814	368,918
2011	166,714	135,927	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
2013	169,131	137,188	67,934	805	375,058
2014	176,178	145,253	70,855	810	393,096
2015	177,367	143,893	66,088	779	388,127
Year 2014					
January	17,075	11,790	5,596	78	34,539
February	15,338	11,142	5,370	73	31,922
March	13,996	11,390	5,632	68	31,087
April	11,365	10,715	5,451	65	27,596
May	12,300	11,555	5,833	65	29,753
June	15,337	12,974	6,335	65	34,710
July	17,943	14,014	6,742	69	38,767
August	17,708	13,876	6,748	64	38,396
Sept	15,639	13,399	6,299	69	35,406
October	12,352	12,239	6,007	64	30,663
November	12,417	10,967	5,470	65	28,920
December	14,707	11,192	5,372	66	31,336
Year 2015					
January	16,638	11,387	5,127	71	33,223
February	15,209	11,181	5,146	76	31,611
March	14,427	11,335	5,271	69	31,102
April	11,366	10,735	5,153	61	27,315
May	12,288	11,390	5,418	60	29,157
June	15,511	12,878	5,947	62	34,399
July	18,886	14,155	6,355	68	39,464
August	18,637	13,993	6,294	64	38,988
Sept	16,320	13,357	5,914	64	35,655
October	12,610	12,058	5,557	64	30,288
November	11,759	10,677	5,030	59	27,524
December	13,718	10,747	4,875	61	29,402
Year 2016					
January	15,703	11,010	4,895	62	31,670
February	14,084	10,488	4,742	62	29,376
Year to Date					
2014	32,413	22,931	10,966	151	66,461
2015	31,846	22,568	10,273	147	64,834
2016	29,787	21,498	9,637	124	61,046
Rolling 12 Months Ending in February					
2015	175,611	144,890	70,162	806	391,470
2016	175,307	142,822	65,452	757	384,338

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Table 5.3. Average Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2006 - February 2016 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2006	10.40	9.46	6.16	9.54	8.90
2007	10.65	9.65	6.39	9.70	9.13
2008	11.26	10.26	6.96	10.71	9.74
2009	11.51	10.16	6.83	10.66	9.82
2010	11.54	10.19	6.77	10.56	9.83
2011	11.72	10.24	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2013	12.13	10.26	6.89	10.55	10.07
2014	12.52	10.74	7.10	10.45	10.44
2015	12.67	10.59	6.89	10.17	10.42
Year 2014					
January	11.65	10.35	6.98	10.93	10.12
February	11.94	10.68	7.12	10.41	10.33
March	12.25	10.65	6.99	10.43	10.28
April	12.31	10.46	6.77	10.23	10.00
May	12.85	10.54	6.83	10.06	10.21
June	12.99	10.96	7.39	10.60	10.75
July	13.09	11.17	7.62	10.68	11.03
August	13.04	11.05	7.51	10.02	10.91
Sept	12.95	11.16	7.37	11.02	10.83
October	12.60	10.83	7.07	10.27	10.34
November	12.48	10.52	6.75	10.20	10.13
December	12.17	10.36	6.70	10.48	10.12
Year 2015					
January	12.10	10.26	6.64	10.62	10.18
February	12.29	10.60	6.91	10.76	10.38
March	12.34	10.52	6.81	10.18	10.27
April	12.64	10.32	6.60	9.84	10.02
May	12.95	10.44	6.71	9.89	10.22
June	12.93	10.81	7.10	10.22	10.64
July	12.99	11.02	7.44	10.46	10.96
August	12.93	10.90	7.33	10.18	10.86
Sept	13.06	10.94	7.18	10.33	10.80
October	12.73	10.69	6.87	10.00	10.32
November	12.73	10.27	6.59	9.69	10.07
December	12.36	10.11	6.42	9.80	10.00
Year 2016					
January	12.01	9.98	6.42	9.46	9.96
February	12.15	10.15	6.38	9.49	9.99
Year to Date					
2014	11.79	10.51	7.05	10.67	10.22
2015	12.19	10.43	6.77	10.69	10.28
2016	12.07	10.06	6.40	9.47	9.97
Rolling 12 Months Ending in February					
2015	12.60	10.73	7.06	10.45	10.45
2016	12.65	10.54	6.84	9.96	10.37

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Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, February 2016 and 2015 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	4,012	4,649	4,159	4,389	1,388	1,393	49	53	9,608	10,484
Connecticut	1,106	1,337	996	1,066	248	263	15	17	2,366	2,684
Maine	424	436	335	316	242	219	0	0	1,001	972
Massachusetts	1,667	1,955	2,022	2,159	542	578	31	34	4,262	4,725
New Hampshire	393	438	373	380	164	157	0	0	930	975
Rhode Island	237	279	269	301	63	64	2	3	572	647
Vermont	185	203	163	166	128	112	0	0	477	481
Middle Atlantic	11,343	12,627	12,831	13,209	5,875	5,874	342	344	30,392	32,055
New Jersey	2,135	2,267	3,040	3,150	557	586	27	28	5,758	6,031
New York	4,078	4,480	6,129	6,304	1,402	1,422	247	276	11,856	12,482
Pennsylvania	5,130	5,880	3,663	3,755	3,916	3,866	68	40	12,777	13,542
East North Central	15,715	17,598	14,408	14,869	15,052	15,140	59	68	45,235	47,674
Illinois	3,626	4,086	3,971	4,111	3,362	3,398	52	61	11,012	11,656
Indiana	2,996	3,336	1,903	1,898	3,628	3,541	2	2	8,529	8,777
Michigan	2,683	2,847	2,964	3,105	2,366	2,516	0	0	8,013	8,469
Ohio	4,620	5,420	3,672	3,867	3,814	3,843	5	5	12,111	13,135
Wisconsin	1,790	1,909	1,899	1,887	1,881	1,841	0	0	5,571	5,637
West North Central	8,930	9,723	8,083	8,266	6,729	6,972	4	5	23,747	24,965
Iowa	1,170	1,241	966	999	1,744	1,710	0	0	3,880	3,950
Kansas	982	1,127	1,166	1,213	845	842	0	0	2,992	3,182
Minnesota	1,887	1,954	1,857	1,844	1,558	1,680	2	2	5,304	5,481
Missouri	3,086	3,514	2,400	2,500	1,019	1,223	2	2	6,507	7,240
Nebraska	875	862	772	774	745	772	0	0	2,392	2,408
North Dakota	480	562	522	532	606	534	0	0	1,608	1,628
South Dakota	451	462	400	404	213	210	0	0	1,064	1,076
South Atlantic	30,185	32,311	23,053	23,868	10,791	11,337	101	135	64,130	67,651
Delaware	438	501	313	366	190	173	0	0	941	1,040
District of Columbia	248	149	712	753	13	14	22	37	995	953
Florida	8,474	8,236	6,540	6,444	1,264	1,266	7	7	16,285	15,952
Georgia	4,723	5,230	3,530	3,556	2,484	2,480	16	15	10,754	11,281
Maryland	2,553	3,060	2,374	2,513	315	301	40	57	5,282	5,932
North Carolina	5,228	5,783	3,624	3,741	2,125	2,253	1	1	10,977	11,777
South Carolina	2,678	2,830	1,633	1,666	2,125	2,333	0	0	6,437	6,830
Virginia	4,585	5,039	3,704	4,134	1,267	1,445	15	18	9,572	10,636
West Virginia	1,257	1,484	623	696	1,008	1,070	0	0	2,887	3,250
East South Central	10,917	12,170	6,822	6,994	7,960	8,030	0	0	25,699	27,194
Alabama	2,653	3,102	1,665	1,712	2,635	2,610	0	0	6,953	7,424
Kentucky	2,499	2,925	1,489	1,549	2,270	2,419	0	0	6,257	6,894
Mississippi	1,580	1,703	1,019	1,033	1,308	1,291	0	0	3,906	4,028
Tennessee	4,185	4,439	2,650	2,699	1,749	1,710	0	0	8,583	8,848
West South Central	15,987	17,071	14,274	14,522	13,502	12,665	15	16	43,778	44,274
Arkansas	1,588	1,702	881	911	1,255	1,231	0	0	3,724	3,845
Louisiana	2,406	2,631	1,802	1,866	2,671	2,594	1	1	6,881	7,091
Oklahoma	1,669	1,893	1,384	1,487	1,303	1,312	0	0	4,356	4,693
Texas	10,323	10,845	10,207	10,257	8,273	7,528	14	15	28,817	28,645
Mountain	6,853	6,254	7,029	6,856	6,404	6,184	11	11	20,297	19,306
Arizona	1,959	1,711	2,045	1,938	1,180	1,066	0	0	5,185	4,716
Colorado	1,453	1,419	1,559	1,509	1,188	1,175	5	5	4,206	4,108
Idaho	750	671	502	510	471	488	0	0	1,723	1,669
Montana	464	453	413	407	347	352	0	0	1,224	1,213
Nevada	705	628	668	685	1,093	976	1	1	2,466	2,291
New Mexico	550	524	647	635	564	543	0	0	1,761	1,702
Utah	697	593	875	836	748	767	4	5	2,324	2,201
Wyoming	276	255	320	335	812	817	0	0	1,407	1,407
Pacific Contiguous	11,597	10,992	12,198	12,059	6,194	6,540	68	69	30,057	29,660
California	6,488	6,111	8,478	8,331	3,379	3,567	66	67	18,411	18,076
Oregon	1,695	1,571	1,285	1,223	875	898	2	2	3,857	3,693
Washington	3,414	3,310	2,434	2,505	1,941	2,075	0	0	7,790	7,891
Pacific Noncontiguous	376	383	483	483	394	376	0	0	1,252	1,242
Alaska	185	195	240	244	112	110	0	0	537	549
Hawaii	191	188	242	239	282	266	0	0	715	693
U.S. Total	115,913	123,777	103,340	105,514	74,291	74,512	650	702	294,194	304,505

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

Table 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2016 and 2015 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	8,371	9,440	8,640	8,911	2,810	2,819	98	110	19,920	21,280
Connecticut	2,297	2,636	2,077	2,161	509	529	29	36	4,911	5,362
Maine	896	944	686	666	495	469	0	0	2,076	2,079
Massachusetts	3,456	3,953	4,219	4,366	1,114	1,150	65	69	8,854	9,538
New Hampshire	809	897	743	765	318	309	0	0	1,870	1,970
Rhode Island	518	579	580	611	124	129	5	5	1,226	1,324
Vermont	396	431	335	342	251	234	0	0	982	1,007
Middle Atlantic	23,361	25,927	26,025	26,646	11,767	11,746	673	677	61,825	64,996
New Jersey	4,536	5,001	6,164	6,402	1,111	1,183	53	55	11,864	12,641
New York	8,414	9,124	12,429	12,660	2,829	2,850	484	523	24,156	25,156
Pennsylvania	10,411	11,803	7,432	7,583	7,827	7,713	136	99	25,805	27,199
East North Central	33,845	36,842	29,958	30,757	30,190	30,794	110	127	94,104	98,522
Illinois	7,843	8,510	8,386	8,565	6,704	6,892	96	112	23,029	24,078
Indiana	6,321	6,961	3,901	3,981	7,212	7,315	4	4	17,437	18,262
Michigan	5,862	6,258	6,151	6,349	4,788	4,887	1	1	16,802	17,495
Ohio	9,862	11,036	7,610	7,935	7,701	7,910	10	10	25,182	26,891
Wisconsin	3,958	4,078	3,911	3,927	3,786	3,790	0	0	11,654	11,795
West North Central	19,517	20,658	16,748	17,116	13,529	14,106	9	9	49,802	51,889
Iowa	2,685	2,784	2,041	2,086	3,368	3,362	0	0	8,094	8,232
Kansas	2,235	2,424	2,418	2,481	1,713	1,710	0	0	6,366	6,615
Minnesota	4,081	4,208	3,827	3,880	3,192	3,446	5	5	11,105	11,539
Missouri	6,567	7,166	4,966	5,124	2,085	2,506	4	4	13,622	14,801
Nebraska	1,915	1,922	1,572	1,578	1,515	1,556	0	0	5,001	5,057
North Dakota	1,070	1,165	1,101	1,132	1,229	1,099	0	0	3,401	3,397
South Dakota	963	987	825	835	426	426	0	0	2,214	2,248
South Atlantic	63,056	66,997	48,377	48,845	21,944	22,703	231	257	133,608	138,803
Delaware	887	1,083	714	734	320	380	0	0	1,920	2,197
District of Columbia	441	524	1,443	1,339	31	39	57	72	1,971	1,974
Florida	17,393	17,169	13,547	13,460	2,593	2,603	14	15	33,547	33,247
Georgia	10,031	10,767	7,328	7,393	5,081	5,094	30	30	22,471	23,284
Maryland	5,471	6,357	4,806	4,958	616	592	96	103	10,989	12,010
North Carolina	11,236	11,959	7,547	7,680	4,098	4,313	1	2	22,882	23,953
South Carolina	5,639	5,937	3,436	3,455	4,302	4,659	0	0	13,378	14,050
Virginia	9,271	10,241	8,185	8,403	2,787	2,772	32	36	20,274	21,451
West Virginia	2,686	2,961	1,371	1,423	2,118	2,252	0	0	6,175	6,636
East South Central	22,294	24,470	13,952	14,262	16,097	16,643	0	0	52,343	55,375
Alabama	5,748	6,359	3,459	3,570	5,417	5,494	0	0	14,623	15,423
Kentucky	5,293	5,851	3,091	3,160	4,549	4,958	0	0	12,932	13,969
Mississippi	3,203	3,472	2,060	2,094	2,649	2,642	0	0	7,913	8,208
Tennessee	8,051	8,789	5,342	5,437	3,482	3,549	0	0	16,875	17,775
West South Central	34,483	37,095	29,567	29,610	27,931	25,876	30	31	92,012	92,612
Arkansas	3,269	3,595	1,817	1,855	2,514	2,466	0	0	7,600	7,916
Louisiana	4,962	5,431	3,716	3,804	5,454	5,288	2	2	14,134	14,526
Oklahoma	3,847	4,155	2,908	3,028	2,699	2,705	0	0	9,455	9,887
Texas	22,404	23,914	21,127	20,923	17,264	15,417	28	29	60,823	60,283
Mountain	15,436	14,527	14,527	14,306	13,008	12,969	22	23	42,993	41,825
Arizona	4,484	4,065	4,199	4,139	2,410	2,229	1	1	11,093	10,434
Colorado	3,191	3,110	3,256	3,176	2,430	2,421	11	11	8,888	8,717
Idaho	1,683	1,584	1,046	1,043	974	993	0	0	3,703	3,620
Montana	1,029	1,025	850	855	700	705	0	0	2,579	2,584
Nevada	1,713	1,616	1,346	1,368	2,146	2,098	1	1	5,206	5,083
New Mexico	1,213	1,180	1,338	1,331	1,150	1,138	0	0	3,702	3,650
Utah	1,518	1,380	1,828	1,704	1,529	1,647	9	10	4,885	4,741
Wyoming	605	568	662	690	1,669	1,736	0	0	2,937	2,995
Pacific Contiguous	25,531	24,535	24,906	25,028	12,495	13,332	135	137	63,068	63,032
California	14,296	13,720	17,176	17,365	6,754	7,145	130	132	38,356	38,363
Oregon	3,825	3,576	2,683	2,575	1,748	1,857	4	4	8,260	8,012
Washington	7,410	7,239	5,047	5,088	3,993	4,329	1	1	16,451	16,657
Pacific Noncontiguous	814	817	972	974	807	767	0	0	2,593	2,559
Alaska	401	413	485	497	231	221	0	0	1,117	1,131
Hawaii	413	404	487	477	576	547	0	0	1,476	1,428
U.S. Total	246,708	261,309	213,674	216,455	150,578	151,754	1,309	1,372	612,269	630,890

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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, February 2016 and 2015 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	782	965	647	766	170	197	5	6	1,604	1,934
Connecticut	229	293	161	186	34	38	2	3	425	519
Maine	76	73	41	49	22	27	0	0	139	149
Massachusetts	330	424	323	384	72	86	3	3	728	897
New Hampshire	72	85	55	63	21	22	0	0	148	170
Rhode Island	45	56	43	61	9	12	0	0	97	130
Vermont	31	34	23	24	13	12	0	0	67	69
Middle Atlantic	1,733	2,004	1,529	1,785	416	494	37	43	3,716	4,326
New Jersey	331	351	360	405	55	75	2	3	748	833
New York	683	886	818	1,006	85	111	29	37	1,616	2,040
Pennsylvania	719	767	351	374	276	308	6	4	1,352	1,453
East North Central	1,956	2,150	1,396	1,451	1,013	1,046	4	6	4,370	4,652
Illinois	433	486	337	359	214	226	3	5	987	1,075
Indiana	315	355	179	183	237	237	0	0	732	775
Michigan	399	392	314	324	158	179	0	0	872	895
Ohio	556	653	361	382	260	261	0	1	1,178	1,296
Wisconsin	252	264	205	204	144	143	0	0	601	611
West North Central	943	1,000	722	710	445	455	0	0	2,110	2,165
Iowa	128	133	83	83	91	92	0	0	302	308
Kansas	123	132	120	117	63	63	0	0	306	312
Minnesota	229	226	177	165	110	115	0	0	515	507
Missouri	285	329	195	199	62	69	0	0	542	597
Nebraska	86	84	66	66	54	54	0	0	206	203
North Dakota	45	49	47	44	50	46	0	0	142	139
South Dakota	47	47	36	36	15	15	0	0	97	98
South Atlantic	3,419	3,695	2,188	2,344	665	761	8	12	6,279	6,813
Delaware	57	68	33	40	15	18	0	0	105	126
District of Columbia	32	20	88	87	1	1	2	3	123	111
Florida	961	996	630	660	98	108	1	1	1,689	1,764
Georgia	497	562	334	363	126	152	1	1	958	1,077
Maryland	357	402	260	291	26	30	3	5	646	729
North Carolina	563	618	315	321	128	142	0	0	1,006	1,081
South Carolina	319	340	165	172	120	143	0	0	604	655
Virginia	499	555	302	352	85	105	1	2	887	1,014
West Virginia	134	136	59	56	66	63	0	0	259	255
East South Central	1,113	1,254	680	720	429	481	0	0	2,222	2,455
Alabama	305	348	182	191	141	155	0	0	628	695
Kentucky	243	280	139	143	118	134	0	0	500	557
Mississippi	163	188	100	114	73	86	0	0	336	389
Tennessee	402	437	259	272	97	105	0	0	758	814
West South Central	1,651	1,834	1,096	1,173	667	723	1	1	3,415	3,731
Arkansas	145	155	70	72	69	71	0	0	284	298
Louisiana	204	232	152	163	126	141	0	0	481	536
Oklahoma	161	179	96	107	57	67	0	0	314	353
Texas	1,141	1,269	777	831	416	444	1	1	2,335	2,544
Mountain	760	713	638	646	373	382	1	1	1,773	1,742
Arizona	225	198	202	187	63	64	0	0	489	449
Colorado	164	166	137	146	79	83	1	1	380	395
Idaho	72	63	38	40	28	29	0	0	138	132
Montana	49	47	41	41	17	18	0	0	106	105
Nevada	86	85	58	67	56	57	0	0	200	208
New Mexico	62	66	61	66	29	32	0	0	151	163
Utah	74	62	73	69	45	44	0	1	192	176
Wyoming	29	27	29	29	57	56	0	0	116	112
Pacific Contiguous	1,638	1,498	1,492	1,478	493	528	6	7	3,629	3,512
California	1,148	1,048	1,171	1,164	352	381	6	7	2,676	2,601
Oregon	176	164	114	108	52	52	0	0	342	324
Washington	315	286	208	205	90	95	0	0	612	587
Pacific Noncontiguous	88	95	100	108	71	79	0	0	259	283
Alaska	37	38	42	42	16	16	0	0	95	96
Hawaii	51	58	57	66	55	63	0	0	164	187
U.S. Total	14,084	15,209	10,488	11,181	4,742	5,146	62	76	29,376	31,611

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.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2016 and 2015 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	1,609	1,911	1,322	1,507	342	374	9	13	3,282	3,805
Connecticut	465	566	327	369	67	73	3	6	862	1,014
Maine	159	152	84	101	45	52	0	0	288	305
Massachusetts	676	839	662	749	147	161	5	6	1,489	1,755
New Hampshire	147	173	109	123	40	42	0	0	297	338
Rhode Island	96	109	92	117	17	22	1	1	207	250
Vermont	66	71	48	49	25	24	0	0	139	144
Middle Atlantic	3,554	4,092	3,082	3,469	827	913	73	84	7,537	8,558
New Jersey	702	774	731	794	110	136	5	6	1,547	1,711
New York	1,401	1,783	1,645	1,935	164	199	58	71	3,267	3,987
Pennsylvania	1,452	1,535	706	739	554	579	11	8	2,723	2,860
East North Central	4,177	4,484	2,870	2,969	2,033	2,095	7	10	9,088	9,558
Illinois	914	995	707	743	424	449	6	8	2,052	2,195
Indiana	664	740	364	383	471	491	0	0	1,498	1,615
Michigan	861	856	640	650	325	336	0	0	1,826	1,842
Ohio	1,188	1,330	739	774	526	532	1	1	2,454	2,637
Wisconsin	551	562	421	420	287	287	0	0	1,258	1,269
West North Central	2,033	2,102	1,477	1,463	889	910	1	1	4,399	4,475
Iowa	286	290	171	172	179	182	0	0	637	644
Kansas	273	279	244	238	127	127	0	0	644	644
Minnesota	492	486	364	350	223	233	0	0	1,079	1,069
Missouri	603	666	396	404	123	140	0	0	1,122	1,210
Nebraska	184	181	134	133	107	107	0	0	425	421
North Dakota	96	99	96	93	99	91	0	0	291	283
South Dakota	98	100	73	73	31	30	0	0	202	204
South Atlantic	7,128	7,597	4,567	4,720	1,376	1,507	18	22	13,089	13,846
Delaware	116	138	74	74	26	34	0	0	216	246
District of Columbia	57	65	174	159	3	3	5	6	239	233
Florida	1,995	2,061	1,302	1,355	204	219	1	1	3,503	3,636
Georgia	1,052	1,139	701	739	267	305	1	2	2,021	2,184
Maryland	766	833	526	563	50	57	7	10	1,350	1,462
North Carolina	1,190	1,268	652	654	249	271	0	0	2,091	2,193
South Carolina	666	706	343	350	248	281	0	0	1,257	1,337
Virginia	999	1,117	669	714	191	204	3	3	1,861	2,038
West Virginia	287	270	127	113	137	133	0	0	551	515
East South Central	2,283	2,519	1,389	1,454	882	970	0	0	4,554	4,943
Alabama	648	706	378	389	292	316	0	0	1,318	1,411
Kentucky	517	558	284	287	240	265	0	0	1,041	1,109
Mississippi	333	384	205	231	154	175	0	0	692	789
Tennessee	785	871	522	548	196	214	0	0	1,503	1,633
West South Central	3,524	3,949	2,263	2,384	1,396	1,479	2	2	7,184	7,814
Arkansas	295	320	144	144	139	141	0	0	578	605
Louisiana	422	478	312	334	263	290	0	0	998	1,103
Oklahoma	342	373	201	215	120	138	0	0	663	725
Texas	2,464	2,778	1,607	1,691	873	912	2	2	4,946	5,382
Mountain	1,685	1,634	1,300	1,333	753	792	2	2	3,740	3,761
Arizona	500	458	408	397	129	132	0	0	1,037	987
Colorado	354	359	280	299	159	166	1	1	795	825
Idaho	162	151	79	80	57	57	0	0	297	289
Montana	106	108	82	89	34	36	0	0	223	234
Nevada	201	210	113	131	108	123	0	0	423	464
New Mexico	138	146	127	137	62	68	0	0	327	351
Utah	161	143	151	139	90	94	1	1	402	377
Wyoming	64	59	60	60	113	116	0	0	237	235
Pacific Contiguous	3,605	3,350	3,024	3,044	990	1,063	12	13	7,630	7,470
California	2,535	2,374	2,365	2,415	707	766	11	12	5,617	5,567
Oregon	393	370	235	226	103	107	0	0	732	704
Washington	677	606	424	403	180	190	0	0	1,281	1,199
Pacific Noncontiguous	189	209	203	226	149	170	0	0	542	605
Alaska	79	80	85	86	32	32	0	0	196	198
Hawaii	111	129	118	140	117	138	0	0	345	407
U.S. Total	29,787	31,846	21,498	22,568	9,637	10,273	124	147	61,046	64,834

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

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, February 2016 and 2015 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	19.49	20.75	15.56	17.46	12.27	14.11	9.67	11.36	16.70	18.44
Connecticut	20.68	21.88	16.14	17.41	13.54	14.26	11.63	16.13	17.96	19.32
Maine	17.83	16.66	12.32	15.59	9.23	12.19	--	--	13.90	15.30
Massachusetts	19.78	21.70	15.99	17.77	13.30	14.91	8.07	8.45	17.07	18.98
New Hampshire	18.37	19.49	14.78	16.47	12.71	14.14	--	--	15.93	17.45
Rhode Island	18.78	20.16	16.08	20.36	13.68	19.31	17.96	17.72	16.94	20.16
Vermont	16.89	16.54	14.30	14.35	9.95	10.40	--	--	14.14	14.36
Middle Atlantic	15.28	15.87	11.92	13.51	7.09	8.42	10.79	12.43	12.23	13.50
New Jersey	15.48	15.49	11.84	12.85	9.84	12.76	8.52	9.67	12.98	13.82
New York	16.76	19.78	13.35	15.96	6.09	7.83	11.74	13.23	13.63	16.34
Pennsylvania	14.02	13.04	9.58	9.96	7.05	7.98	8.26	8.84	10.58	10.73
East North Central	12.45	12.22	9.69	9.76	6.73	6.91	6.70	8.10	9.66	9.76
Illinois	11.94	11.90	8.48	8.73	6.35	6.64	6.49	7.72	8.96	9.23
Indiana	10.53	10.63	9.41	9.63	6.54	6.70	9.67	9.43	8.58	8.83
Michigan	14.88	13.77	10.59	10.43	6.69	7.11	11.21	11.35	10.88	10.56
Ohio	12.03	12.04	9.84	9.87	6.82	6.80	7.33	11.96	9.73	9.87
Wisconsin	14.09	13.85	10.81	10.78	7.64	7.76	14.55	--	10.79	10.83
West North Central	10.56	10.29	8.94	8.59	6.61	6.52	8.21	7.97	8.89	8.67
Iowa	10.94	10.69	8.56	8.31	5.25	5.41	--	--	7.79	7.80
Kansas	12.57	11.72	10.25	9.67	7.45	7.45	--	--	10.22	9.81
Minnesota	12.14	11.58	9.51	8.97	7.03	6.84	10.00	9.19	9.72	9.25
Missouri	9.23	9.37	8.13	7.96	6.07	5.62	6.32	6.54	8.33	8.25
Nebraska	9.83	9.69	8.56	8.47	7.20	7.04	--	--	8.60	8.45
North Dakota	9.41	8.70	8.96	8.30	8.27	8.68	--	--	8.83	8.57
South Dakota	10.34	10.24	8.90	8.80	7.13	7.16	--	--	9.15	9.10
South Atlantic	11.33	11.44	9.49	9.82	6.16	6.72	7.77	8.67	9.79	10.07
Delaware	12.99	13.50	10.66	11.00	7.98	10.28	--	--	11.21	12.09
District of Columbia	12.78	13.14	12.43	11.61	9.07	8.04	9.78	8.67	12.41	11.68
Florida	11.34	12.09	9.64	10.24	7.73	8.52	8.88	9.55	10.37	11.06
Georgia	10.52	10.74	9.47	10.21	5.06	6.12	4.28	5.06	8.91	9.55
Maryland	13.98	13.14	10.96	11.59	8.33	10.01	7.93	9.59	12.24	12.29
North Carolina	10.77	10.68	8.70	8.59	6.01	6.29	7.97	7.89	9.16	9.17
South Carolina	11.90	12.03	10.09	10.34	5.67	6.11	--	--	9.38	9.60
Virginia	10.89	11.01	8.15	8.53	6.69	7.27	7.60	8.37	9.27	9.53
West Virginia	10.68	9.15	9.47	8.06	6.55	5.91	--	--	8.98	7.85
East South Central	10.20	10.30	9.97	10.30	5.39	5.99	--	--	8.65	9.03
Alabama	11.50	11.23	10.95	11.15	5.34	5.96	--	--	9.03	9.36
Kentucky	9.71	9.57	9.31	9.24	5.22	5.53	--	--	7.99	8.08
Mississippi	10.32	11.06	9.82	11.06	5.60	6.69	--	--	8.61	9.66
Tennessee	9.61	9.85	9.77	10.08	5.53	6.14	--	--	8.83	9.20
West South Central	10.33	10.74	7.68	8.08	4.94	5.71	5.61	5.46	7.80	8.43
Arkansas	9.13	9.09	7.97	7.91	5.49	5.76	8.52	11.57	7.63	7.74
Louisiana	8.47	8.81	8.42	8.75	4.72	5.45	8.48	7.18	7.00	7.56
Oklahoma	9.63	9.46	6.96	7.17	4.35	5.12	--	--	7.20	7.52
Texas	11.06	11.70	7.62	8.10	5.02	5.89	5.43	5.34	8.10	8.88
Mountain	11.10	11.40	9.07	9.42	5.83	6.17	9.60	10.14	8.73	9.02
Arizona	11.46	11.58	9.87	9.66	5.33	5.97	8.04	7.79	9.44	9.52
Colorado	11.26	11.70	8.77	9.68	6.62	7.03	9.49	10.61	9.02	9.62
Idaho	9.66	9.41	7.59	7.81	5.91	5.91	--	--	8.04	7.90
Montana	10.52	10.33	9.87	10.06	4.79	5.03	--	--	8.68	8.70
Nevada	12.20	13.47	8.67	9.76	5.13	5.79	8.05	8.77	8.11	9.09
New Mexico	11.26	12.53	9.37	10.39	5.12	5.86	--	--	8.60	9.60
Utah	10.61	10.47	8.29	8.31	6.02	5.78	10.05	10.05	8.26	8.01
Wyoming	10.59	10.43	9.14	8.70	7.04	6.89	--	--	8.21	7.97
Pacific Contiguous	14.13	13.63	12.23	12.26	7.96	8.08	8.77	10.17	12.07	11.84
California	17.69	17.15	13.81	13.98	10.41	10.68	8.75	10.20	14.53	14.39
Oregon	10.37	10.43	8.88	8.87	5.90	5.79	9.21	9.15	8.86	8.78
Washington	9.21	8.65	8.53	8.19	4.62	4.59	10.40	9.12	7.86	7.43
Pacific Noncontiguous	23.37	24.87	20.68	22.47	18.05	21.02	--	--	20.66	22.77
Alaska	19.84	19.31	17.64	17.33	14.03	14.58	--	--	17.64	17.48
Hawaii	26.77	30.62	23.68	27.69	19.66	23.70	--	--	22.92	26.95
U.S. Total	12.15	12.29	10.15	10.60	6.38	6.91	9.49	10.76	9.99	10.38

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Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2016 and 2015 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD	February 2016 YTD	February 2015 YTD
New England	19.22	20.25	15.29	16.91	12.18	13.27	9.25	11.74	16.48	17.88
Connecticut	20.25	21.48	15.72	17.05	13.21	13.73	11.28	17.33	17.56	18.90
Maine	17.74	16.10	12.25	15.14	9.17	11.05	--	--	13.89	14.66
Massachusetts	19.55	21.24	15.68	17.14	13.17	14.04	7.71	8.39	16.82	18.40
New Hampshire	18.18	19.32	14.68	16.11	12.71	13.53	--	--	15.86	17.17
Rhode Island	18.58	18.90	15.91	19.16	13.90	17.32	18.09	17.65	16.84	18.86
Vermont	16.75	16.51	14.25	14.20	10.15	10.35	--	--	14.21	14.30
Middle Atlantic	15.22	15.78	11.84	13.02	7.03	7.77	10.92	12.48	12.19	13.17
New Jersey	15.47	15.49	11.85	12.40	9.91	11.49	9.28	11.04	13.04	13.53
New York	16.65	19.54	13.24	15.29	5.78	6.97	11.93	13.49	13.53	15.85
Pennsylvania	13.95	13.00	9.50	9.75	7.08	7.50	7.95	7.93	10.55	10.52
East North Central	12.34	12.17	9.58	9.65	6.74	6.80	6.80	7.65	9.66	9.70
Illinois	11.66	11.69	8.43	8.67	6.33	6.51	6.59	7.18	8.91	9.11
Indiana	10.50	10.64	9.32	9.63	6.53	6.71	9.59	9.55	8.59	8.84
Michigan	14.68	13.67	10.40	10.24	6.80	6.88	11.47	11.62	10.87	10.53
Ohio	12.04	12.05	9.71	9.75	6.83	6.73	7.37	11.84	9.74	9.81
Wisconsin	13.91	13.79	10.76	10.69	7.57	7.57	13.64	--	10.79	10.76
West North Central	10.42	10.17	8.82	8.54	6.57	6.45	8.54	8.07	8.83	8.62
Iowa	10.67	10.43	8.38	8.23	5.33	5.40	--	--	7.87	7.82
Kansas	12.20	11.51	10.09	9.60	7.41	7.41	--	--	10.11	9.74
Minnesota	12.06	11.54	9.50	9.02	6.99	6.76	10.26	9.37	9.72	9.26
Missouri	9.18	9.30	7.97	7.88	5.90	5.57	6.57	6.51	8.24	8.17
Nebraska	9.61	9.41	8.52	8.42	7.06	6.90	--	--	8.49	8.33
North Dakota	8.95	8.51	8.69	8.20	8.09	8.32	--	--	8.55	8.35
South Dakota	10.22	10.12	8.82	8.80	7.17	7.10	--	--	9.11	9.06
South Atlantic	11.30	11.34	9.44	9.66	6.27	6.64	7.76	8.66	9.80	9.98
Delaware	13.07	12.74	10.34	10.06	8.16	8.95	--	--	11.24	11.19
District of Columbia	12.89	12.32	12.03	11.87	9.28	8.38	9.25	8.97	12.10	11.81
Florida	11.47	12.00	9.61	10.07	7.88	8.41	8.84	9.36	10.44	10.94
Georgia	10.48	10.58	9.56	9.99	5.26	5.98	4.44	5.23	9.00	9.38
Maryland	14.01	13.10	10.95	11.35	8.10	9.58	7.72	9.40	12.28	12.17
North Carolina	10.59	10.61	8.64	8.51	6.08	6.28	8.01	7.78	9.14	9.16
South Carolina	11.81	11.90	9.99	10.12	5.76	6.04	--	--	9.39	9.52
Virginia	10.77	10.91	8.18	8.50	6.84	7.36	7.86	8.56	9.18	9.50
West Virginia	10.68	9.11	9.25	7.93	6.49	5.89	--	--	8.93	7.76
East South Central	10.24	10.29	9.96	10.20	5.48	5.83	--	--	8.70	8.93
Alabama	11.27	11.10	10.92	10.88	5.39	5.76	--	--	9.01	9.15
Kentucky	9.76	9.54	9.20	9.07	5.29	5.34	--	--	8.05	7.94
Mississippi	10.41	11.06	9.94	11.02	5.81	6.61	--	--	8.75	9.62
Tennessee	9.75	9.91	9.78	10.09	5.63	6.04	--	--	8.91	9.19
West South Central	10.22	10.65	7.65	8.05	5.00	5.72	5.60	5.51	7.81	8.44
Arkansas	9.03	8.90	7.91	7.76	5.54	5.70	8.83	11.21	7.61	7.64
Louisiana	8.50	8.81	8.40	8.79	4.83	5.48	8.11	7.80	7.06	7.59
Oklahoma	8.89	8.97	6.90	7.10	4.44	5.09	--	--	7.01	7.33
Texas	11.00	11.62	7.61	8.08	5.06	5.91	5.42	5.34	8.13	8.93
Mountain	10.92	11.25	8.95	9.32	5.79	6.10	9.33	9.99	8.70	8.99
Arizona	11.14	11.27	9.72	9.59	5.36	5.90	8.14	7.94	9.35	9.46
Colorado	11.10	11.54	8.60	9.42	6.56	6.84	9.02	10.23	8.94	9.46
Idaho	9.60	9.56	7.52	7.70	5.80	5.77	--	--	8.01	7.98
Montana	10.34	10.56	9.69	10.47	4.88	5.11	--	--	8.65	9.04
Nevada	11.74	13.00	8.41	9.59	5.05	5.84	8.03	8.73	8.12	9.13
New Mexico	11.36	12.34	9.46	10.31	5.40	6.01	--	--	8.82	9.62
Utah	10.57	10.39	8.24	8.13	5.88	5.70	10.00	10.11	8.23	7.95
Wyoming	10.51	10.35	9.13	8.72	6.79	6.69	--	--	8.08	7.86
Pacific Contiguous	14.12	13.65	12.14	12.16	7.92	7.97	8.51	9.11	12.10	11.85
California	17.73	17.30	13.77	13.91	10.46	10.72	8.48	9.12	14.64	14.51
Oregon	10.27	10.36	8.77	8.79	5.89	5.77	9.18	9.15	8.86	8.79
Washington	9.14	8.37	8.41	7.92	4.51	4.39	9.89	8.68	7.79	7.20
Pacific Noncontiguous	23.29	25.56	20.93	23.17	18.43	22.15	--	--	20.89	23.63
Alaska	19.62	19.33	17.62	17.29	13.89	14.51	--	--	17.57	17.50
Hawaii	26.85	31.94	24.21	29.30	20.24	25.23	--	--	23.40	28.49
U.S. Total	12.07	12.19	10.06	10.43	6.40	6.77	9.47	10.69	9.97	10.28

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 5.7. Number of Ultimate Customers Served by Sector: 2008 - February 2016

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2008	125,037,870	17,582,277	774,817	726	143,395,691
2009	125,208,777	17,562,150	757,497	703	143,529,126
2010	125,717,767	17,674,167	747,691	238	144,139,862
2011	126,143,072	17,637,928	727,889	92	144,508,982
2012	126,832,252	17,728,903	732,344	83	145,293,583
2013	127,776,941	17,679,466	831,734	74	146,288,214
2014	128,680,294	17,853,836	839,154	79	147,373,362
2015	129,820,862	17,955,347	812,708	75	148,588,992
Year 2014					
January	128,080,045	17,756,185	824,418	82	146,660,730
February	127,760,935	17,694,926	810,164	79	146,266,104
March	128,398,293	17,795,435	817,663	79	147,011,470
April	128,347,095	17,795,240	829,796	80	146,972,211
May	128,428,131	17,834,341	840,580	84	147,103,136
June	128,562,601	17,810,020	838,886	77	147,211,584
July	129,055,781	17,937,858	865,715	78	147,859,432
August	128,924,140	17,889,944	856,377	77	147,670,538
Sept	128,788,358	17,922,008	856,589	78	147,567,033
October	129,521,707	17,993,992	860,902	76	148,376,677
November	128,640,689	17,827,317	824,992	76	147,293,074
December	129,655,750	17,988,765	843,760	76	148,488,351
Year 2015					
January	129,215,651	17,890,834	793,506	75	147,900,066
February	128,876,660	17,822,307	787,486	74	147,486,527
March	129,897,464	17,944,082	801,577	75	148,643,198
April	129,648,338	17,935,819	802,129	75	148,386,361
May	129,617,236	17,668,429	806,924	76	148,092,665
June	129,872,422	18,012,136	827,850	76	148,712,484
July	130,246,512	18,064,686	836,925	76	149,148,199
August	129,626,521	17,980,932	825,351	75	148,432,879
Sept	129,913,018	18,023,117	826,586	75	148,762,796
October	130,290,827	18,053,077	826,398	75	149,170,377
November	129,780,969	17,964,381	801,397	75	148,546,822
December	130,864,727	18,104,363	816,368	74	149,785,532
Year 2016					
January	130,468,339	18,008,040	799,119	77	149,275,575
February	130,177,813	18,063,683	798,861	80	149,040,437
Rolling 12 Months Ending in February					
2015	128,867,905	17,875,672	834,688	78	147,578,342
2016	130,033,682	17,985,229	814,124	76	148,833,110

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2016 and 2015 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.8. Number of Ultimate Customers Served by Sector by State:
February 2016 and 2015

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	6,315,569	6,265,098	872,345	873,253	26,185	26,526	6	6	7,214,105	7,164,883
Connecticut	1,485,915	1,470,007	152,177	159,148	4,431	4,728	3	3	1,642,526	1,633,886
Maine	720,835	706,242	93,997	91,795	3,099	3,037	0	0	817,931	801,074
Massachusetts	2,747,007	2,734,241	406,628	405,659	13,378	13,440	2	2	3,167,015	3,153,342
New Hampshire	609,394	603,755	106,473	105,297	3,227	3,247	0	0	719,094	712,299
Rhode Island	440,768	440,074	58,970	58,667	1,833	1,859	1	1	501,572	500,601
Vermont	311,650	310,779	54,100	52,687	217	215	0	0	365,967	363,681
Middle Atlantic	15,925,218	15,855,713	2,268,244	2,254,952	42,979	43,935	19	18	18,236,460	18,154,618
New Jersey	3,495,372	3,473,333	511,373	511,162	11,941	12,354	6	6	4,018,692	3,996,855
New York	7,101,323	7,076,957	1,065,052	1,052,903	7,669	7,778	7	6	8,174,051	8,137,644
Pennsylvania	5,328,523	5,305,423	691,819	690,887	23,369	23,803	6	6	6,043,717	6,020,119
East North Central	19,949,275	19,784,402	2,461,839	2,441,276	52,126	52,088	8	7	22,463,248	22,277,773
Illinois	5,236,664	5,158,430	605,416	598,078	5,516	5,505	3	3	5,847,599	5,762,016
Indiana	2,808,817	2,789,523	346,604	344,245	17,419	17,424	1	1	3,172,841	3,151,193
Michigan	4,320,458	4,295,363	540,085	535,296	NM	5,613	1	1	4,866,225	4,836,273
Ohio	4,923,296	4,898,661	620,153	615,607	18,800	18,891	2	2	5,562,251	5,533,161
Wisconsin	2,660,040	2,642,425	349,581	348,050	NM	4,655	1	0	3,014,332	2,995,130
West North Central	9,331,045	9,286,126	1,428,774	1,411,296	113,086	110,785	2	2	10,872,907	10,808,209
Iowa	1,361,882	1,359,541	240,569	227,738	NM	6,651	0	0	1,609,176	1,593,930
Kansas	1,252,876	1,242,573	232,215	228,699	25,453	25,205	0	0	1,510,544	1,496,477
Minnesota	2,352,077	2,365,013	282,895	287,524	NM	8,038	1	1	2,643,099	2,660,576
Missouri	2,760,794	2,740,698	374,370	370,897	8,428	8,493	1	1	3,143,593	3,120,089
Nebraska	839,017	828,022	156,443	155,513	53,755	52,279	0	0	1,049,215	1,035,814
North Dakota	372,672	362,817	71,071	69,225	7,686	7,300	0	0	451,429	439,342
South Dakota	391,727	387,462	71,211	71,700	NM	2,819	0	0	465,851	461,981
South Atlantic	27,014,781	26,676,223	3,712,055	3,651,297	78,006	77,242	11	11	30,804,853	30,404,773
Delaware	416,776	402,513	52,693	50,792	1,131	1,159	0	0	470,600	454,464
District of Columbia	257,547	243,616	25,915	25,289	1	1	1	1	283,464	268,907
Florida	8,973,714	8,871,238	1,198,676	1,181,442	20,281	19,310	2	2	10,192,673	10,071,992
Georgia	4,241,519	4,189,789	572,290	562,909	17,828	17,658	1	1	4,831,638	4,770,357
Maryland	2,287,202	2,238,003	250,022	246,537	8,780	8,785	5	5	2,546,009	2,493,330
North Carolina	4,412,517	4,363,822	683,592	666,272	10,004	10,040	1	1	5,106,114	5,040,135
South Carolina	2,209,657	2,177,779	356,822	351,432	4,416	4,491	0	0	2,570,895	2,533,702
Virginia	3,353,076	3,325,107	429,894	425,398	3,777	3,767	1	1	3,786,748	3,754,273
West Virginia	862,773	864,356	142,151	141,226	11,788	12,031	0	0	1,016,712	1,017,613
East South Central	8,278,453	8,192,501	1,370,626	1,354,455	24,940	24,737	0	0	9,674,019	9,571,693
Alabama	2,211,345	2,186,015	365,244	360,092	8,100	8,041	0	0	2,584,689	2,554,148
Kentucky	1,966,816	1,952,366	296,417	294,103	7,895	7,827	0	0	2,271,128	2,254,296
Mississippi	1,289,992	1,278,924	234,962	231,603	7,533	7,448	0	0	1,532,487	1,517,975
Tennessee	2,810,300	2,775,196	474,003	468,657	1,412	1,421	0	0	3,285,715	3,245,274
West South Central	15,521,641	15,251,243	2,234,503	2,174,871	179,203	179,193	6	6	17,935,353	17,605,313
Arkansas	1,366,006	1,351,955	188,244	184,784	34,792	33,892	2	2	1,589,044	1,570,633
Louisiana	2,035,255	2,035,846	287,341	284,989	18,297	18,273	1	1	2,340,894	2,339,109
Oklahoma	1,742,724	1,724,381	279,986	275,168	18,043	18,118	0	0	2,040,753	2,017,667
Texas	10,377,656	10,139,061	1,478,932	1,429,930	108,071	108,910	3	3	11,964,662	11,677,904
Mountain	9,489,302	9,364,335	1,355,341	1,346,358	84,859	83,711	4	4	10,929,506	10,794,408
Arizona	2,717,347	2,687,303	314,559	311,817	6,578	6,548	1	1	3,038,485	3,005,669
Colorado	2,247,123	2,214,684	352,003	351,543	13,749	13,543	1	1	2,612,876	2,579,771
Idaho	708,717	705,630	106,475	107,295	27,688	27,244	0	0	842,880	840,169
Montana	496,921	490,088	106,437	105,007	NM	5,797	0	0	609,462	600,892
Nevada	1,136,740	1,118,396	161,040	159,770	NM	3,121	1	1	1,300,995	1,281,288
New Mexico	886,619	878,541	137,343	136,403	8,464	8,382	0	0	1,032,426	1,023,326
Utah	1,025,986	1,001,871	119,529	116,080	9,423	9,592	1	1	1,154,939	1,127,544
Wyoming	269,849	267,822	57,955	58,443	9,639	9,484	0	0	337,443	335,749
Pacific Contiguous	17,638,563	17,492,375	2,248,417	2,203,256	195,330	187,254	24	20	20,082,334	19,882,905
California	12,980,994	12,870,889	1,642,781	1,604,217	142,525	137,467	16	12	14,766,316	14,612,585
Oregon	1,709,143	1,687,299	233,673	230,861	24,289	22,031	2	2	1,967,107	1,940,193
Washington	2,948,426	2,934,187	371,963	368,178	NM	27,756	6	6	3,348,911	3,330,127
Pacific Noncontiguous	713,966	708,644	111,539	111,293	NM	2,015	0	0	827,652	821,952
Alaska	284,402	281,069	50,534	50,243	NM	NM	0	0	336,291	332,601
Hawaii	429,564	427,575	61,005	61,050	792	726	0	0	491,361	489,351
U.S. Total	130,177,813	128,876,660	18,063,683	17,822,307	798,861	787,486	80	74	149,040,437	147,486,527

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.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 6.1. Electric Generating Summer Capacity Changes (MW), January 2016 to February 2016

		As of End of January 2016	Activity During February 2016 as Reported to EIA		As of End of February 2016	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity -- Outlook Based on Reports to EIA							
									Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Planned Total Net Summer	
Technology	Capacity Source	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... *Onshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*73,088.2*	*350.6*	*99.6*	*73,339.2*	*251.0*	*761.3*	*8,401.6*	*511.9*	*6,745.0*	*1.5*	*1.5*	*510.4*	*6,743.5*	*73,849.6*	*80,082.7*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*29.3*	*0.0*	*0.0*	*0.0*	*29.3*	*0.0*	*29.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	73,088.2	350.6	99.6	73,339.2	251.0	761.3	8,401.6	511.9	6,774.3	1.5	1.5	510.4	6,772.8	73,849.6	80,112.0
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*11,831.6*	*290.2*	*4.1*	*12,117.7*	*286.1*	*488.0*	*3,142.3*	*166.8*	*8,782.8*	*0.0*	*0.0*	*166.8*	*8,782.8*	*12,284.5*	*20,900.5*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,327.5*	*0.0*	*0.0*	*1,327.5*	*0.0*	*-43.8*	*-43.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,327.5*	*1,327.5*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*405.4*	*0.0*	*0.0*	*405.4*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*405.4*	*405.4*
..... Solar Subtotal	Utility Scale Facilities	13,564.5	290.2	4.1	13,850.6	286.1	444.2	3,208.5	166.8	8,782.8	0.0	0.0	166.8	8,782.8	14,017.4	22,633.4
..... Conventional Hydroelectric	Utility Scale Facilities	79,767.0	111.4	101.0	79,777.4	10.4	35.7	94.3	64.3	314.7	0.0	12.5	64.3	302.2	79,841.7	80,079.6
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,551.5*	*163.8*	*210.7*	*8,504.6*	*-46.9*	*-49.8*	*9.4*	*0.0*	*62.5*	*0.0*	*13.5*	*0.0*	*49.0*	*8,504.6*	*8,553.6*
..... *Landfill Gas*	*Utility Scale Facilities*	*2,128.1*	*7.0*	*56.6*	*2,078.5*	*-49.6*	*-39.1*	*-46.9*	*25.3*	*56.9*	*0.0*	*2.4*	*25.3*	*54.5*	*2,103.8*	*2,133.0*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,254.4*	*0.0*	*5.2*	*2,249.2*	*-5.2*	*-4.7*	*15.9*	*0.0*	*0.0*	*0.0*	*2.0*	*0.0*	*-2.0*	*2,249.2*	*2,247.2*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*844.9*	*9.7*	*65.8*	*788.8*	*-56.1*	*-49.7*	*-35.4*	*0.0*	*22.6*	*0.0*	*1.2*	*0.0*	*21.4*	*788.8*	*810.2*
..... Biomass Sources Subtotal	Utility Scale Facilities	13,778.9	180.5	338.3	13,621.1	-157.8	-143.3	-57.0	25.3	142.0	0.0	19.1	25.3	122.9	13,646.4	13,744.0
..... Geothermal	Utility Scale Facilities	2,530.3	0.0	5.0	2,525.3	-5.0	-4.9	-19.1	0.0	0.0	0.0	30.0	0.0	-30.0	2,525.3	2,495.3
... Renewable Sources Subtotal	***Utility Scale Facilities***	***182,728.9***	***932.7***	***548.0***	***183,113.6***	***384.7***	***1,093.0***	***11,628.3***	***768.3***	***16,013.8***	***1.5***	***63.1***	***766.8***	***15,950.7***	***183,880.4***	***199,064.3***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*234,747.1*	*902.5*	*1,448.8*	*234,200.8*	*-546.3*	*-153.5*	*4,467.0*	*713.6*	*7,497.8*	*0.0*	*95.0*	*713.6*	*7,402.8*	*234,914.4*	*241,603.6*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*124,382.0*	*737.4*	*704.4*	*124,415.0*	*33.0*	*-405.2*	*-573.2*	*178.0*	*1,939.7*	*0.0*	*113.0*	*178.0*	*1,826.7*	*124,593.0*	*126,241.7*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*78,396.5*	*2,934.2*	*3,298.0*	*78,032.7*	*-363.8*	*2,281.1*	*1,777.3*	*0.0*	*0.0*	*5.0*	*200.7*	*-5.0*	*-200.7*	*78,027.7*	*77,832.0*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*3,575.0*	*8.0*	*3.6*	*3,579.4*	*4.4*	*-2.0*	*141.5*	*160.0*	*669.0*	*0.9*	*4.2*	*159.1*	*664.8*	*3,738.5*	*4,244.2*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*Utility Scale Facilities*	*106.0*	*4.5*	*7.2*	*103.3*	*-2.7*	*-2.7*	*2.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*103.3*	*103.3*
..... Natural Gas Subtotal	Utility Scale Facilities	441,316.6	4,586.6	5,462.0	440,441.2	-875.4	1,717.7	5,815.4	1,051.6	10,106.5	5.9	412.9	1,045.7	9,693.6	441,486.9	450,134.8
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*281,310.0*	*2,872.2*	*3,045.1*	*281,137.1*	*-172.9*	*-2,573.6*	*-16,519.7*	*50.0*	*62.2*	*1,144.0*	*5,787.5*	*-1,094.0*	*-5,725.3*	*280,043.1*	*275,411.8*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*791.0*	*0.0*	*0.0*	*791.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*791.0*	*791.0*
..... Coal Subtotal	Utility Scale Facilities	282,101.0	2,872.2	3,045.1	281,928.1	-172.9	-2,573.6	-16,519.7	50.0	62.2	1,144.0	5,787.5	-1,094.0	-5,725.3	280,834.1	276,202.8
..... Petroleum Coke	Utility Scale Facilities	2,190.2	0.0	0.0	2,190.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,190.2	2,190.2
..... Petroleum Liquids	Utility Scale Facilities	36,320.9	264.9	1,280.1	35,305.7	-1,015.2	-1,491.6	-2,435.8	0.8	48.5	1.2	104.7	-0.4	-56.2	35,305.3	35,249.5
..... Other Gases	Utility Scale Facilities	1,914.3	47.8	11.6	1,950.5	36.2	36.2	36.2	0.0	0.0	0.0	3.2	0.0	-3.2	1,950.5	1,947.3
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***763,843.0***	***7,771.5***	***9,798.8***	***761,815.7***	***-2,027.3***	***-2,311.3***	***-13,103.9***	***1,102.4***	***10,217.2***	***1,151.1***	***6,308.3***	***-48.7***	***3,908.9***	***761,767.0***	***765,724.6***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,558.1	46.0	5.0	22,599.1	41.0	41.0	41.0	0.0	130.0	0.0	0.0	0.0	130.0	22,599.1	22,729.1
..... Flywheels	Utility Scale Facilities	42.0	0.0	0.0	42.0	0.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	42.0
..... Batteries	Utility Scale Facilities	245.7	1.0	0.0	246.7	1.0	1.0	88.6	8.0	94.6	0.0	0.0	8.0	94.6	254.7	341.3
... Energy Storage Subtotal	***Utility Scale Facilities***	***22,845.8***	***47.0***	***5.0***	***22,887.8***	***42.0***	***41.0***	***128.6***	***8.0***	***224.6***	***0.0***	***0.0***	***8.0***	***224.6***	***22,895.8***	***23,112.4***
... Nuclear	***Utility Scale Facilities***	***98,706.8***	***77.7***	***52.3***	***98,732.2***	***25.4***	***3.2***	***142.0***	***0.0***	***1,197.0***	***0.0***	***0.0***	***0.0***	***1,197.0***	***98,732.2***	***99,929.2***
... All Other	***Utility Scale Facilities***	***1,648.1***	***14.6***	***192.9***	***1,469.8***	***-178.3***	***-139.0***	***-125.0***	***0.0***	***15.0***	***0.0***	***0.0***	***0.0***	***15.0***	***1,469.8***	***1,484.8***
TOTAL	**UTILITY SCALE FACILITIES**	**1,069,772.6**	**8,843.5**	**10,597.0**	**1,068,019.1**	**-1,753.5**	**-1,313.1**	**-1,330.0**	**1,878.7**	**27,667.6**	**1,152.6**	**6,371.4**	**726.1**	**21,296.2**	**1,068,745.2**	**1,089,315.3**
..... *Estimated Distributed Solar Photovoltaic*	*Distributed Facilities*	*8,620.7*			*8,789.5*	*168.8*	*410.4*	*2,266.9*								
..... Estimated Total Solar Photovoltaic	All Facilities	20,452.3			20,907.2	454.9	898.4	5,409.2								
... Estimated Total Solar	***All Facilities***	***22,185.2***			***22,640.1***	***454.9***	***854.6***	***5,475.4***								

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

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.1.A. Net Summer Capacity for Utility Scale Solar Photovoltaic and Distributed Solar Photovoltaic Capacity (Megawatts)
2008 - February 2016

Period	Utility Solar Photovoltaic	Estimated Distributed Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
2008	70.8	N/A	N/A
2009	145.5	N/A	N/A
2010	393.4	N/A	N/A
2011	1,052.0	N/A	N/A
2012	2,694.1	N/A	N/A
2013	5,336.1	N/A	N/A
2014	8,656.6	6,221.4	14,878.0
2015	11,629.7	8,379.1	20,008.8
Year 2014			
January	5,688.0	4,763.4	10,451.4
February	5,839.2	4,862.8	10,702.0
March	5,967.9	4,970.5	10,938.4
April	6,188.0	5,077.5	11,265.5
May	6,368.8	5,190.8	11,559.6
June	6,564.1	5,291.3	11,855.4
July	6,706.3	5,413.5	12,119.8
August	7,105.0	5,609.8	12,714.8
Sept	7,215.1	5,734.2	12,949.3
October	7,575.3	5,880.0	13,455.3
November	8,005.3	6,011.2	14,016.5
December	8,656.6	6,221.4	14,878.0
Year 2015			
January	8,818.7	6,389.8	15,208.5
February	8,975.4	6,522.6	15,498.0
March	9,036.5	6,655.5	15,692.0
April	9,119.2	6,797.0	15,916.2
May	9,329.5	6,951.3	16,280.8
June	9,598.3	7,105.5	16,703.8
July	9,686.2	7,320.9	17,007.1
August	9,897.9	7,491.9	17,389.8
Sept	10,001.7	7,689.4	17,691.1
October	10,104.3	7,875.7	17,980.0
November	10,419.4	8,061.4	18,480.8
December	11,629.7	8,379.1	20,008.8
Year 2016			
January	11,831.6	8,620.7	20,452.3
February	12,117.7	8,789.5	20,907.2

Values are preliminary.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from

Table 6.1.B. Net Summer Capacity for Estimated Distributed Solar Photovoltaic Capacity by Sector (Megawatts): 2014 - February 2016

Period	Residential	Commercial	Industrial	Total
Annual Totals				
2014	2,870.8	2,771.8	578.8	6,221.4
2015	4,375.5	3,291.7	712.0	8,379.1
Year 2014				
January	1,963.5	2,334.5	465.4	4,763.4
February	2,023.4	2,367.5	471.9	4,862.8
March	2,087.0	2,405.5	477.9	4,970.5
April	2,154.7	2,435.5	487.3	5,077.5
May	2,224.6	2,474.9	491.3	5,190.8
June	2,301.1	2,490.8	499.4	5,291.3
July	2,376.1	2,528.2	509.1	5,413.5
August	2,468.4	2,617.0	524.4	5,609.8
Sept	2,559.3	2,644.5	530.4	5,734.2
October	2,655.0	2,673.0	552.0	5,880.0
November	2,739.3	2,707.4	564.6	6,011.2
December	2,870.8	2,771.8	578.8	6,221.4
Year 2015				
January	2,960.1	2,834.5	595.2	6,389.8
February	3,060.8	2,853.3	608.4	6,522.6
March	3,169.2	2,873.3	613.0	6,655.5
April	3,274.8	2,901.6	620.6	6,797.0
May	3,384.1	2,936.6	630.6	6,951.3
June	3,516.4	2,956.2	632.9	7,105.5
July	3,650.7	3,023.2	647.0	7,320.9
August	3,779.3	3,055.3	657.2	7,491.9
Sept	3,936.7	3,086.7	665.9	7,689.4
October	4,083.9	3,115.8	676.0	7,875.7
November	4,212.2	3,160.3	688.9	8,061.4
December	4,375.5	3,291.7	712.0	8,379.1
Year 2016				
January	4,552.4	3,342.6	725.6	8,620.7
February	4,715.1	3,334.2	740.2	8,789.5

Values are preliminary.

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

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, February 2016 and 2015 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	4,796.7	4,594.7	22,905.7	22,815.8	1,797.4	1,775.4	2.0	3.0	4,051.0	4,046.3	102.2	52.9	33,655.0	33,288.1
Connecticut	331.4	339.8	6,314.2	6,266.4	29.4	29.4	0.0	0.0	2,122.5	2,122.5	26.0	30.9	8,823.5	8,789.0
Maine	1,964.5	1,795.4	2,644.5	2,653.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,631.0	4,470.4
Massachusetts	965.0	923.8	9,785.1	9,800.4	1,768.0	1,746.0	2.0	3.0	682.3	677.6	54.2	0.0	13,256.6	13,150.8
New Hampshire	931.0	935.4	2,270.9	2,236.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,448.1	4,418.3
Rhode Island	51.3	50.3	1,791.3	1,759.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,842.6	1,810.1
Vermont	553.5	550.0	99.7	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	653.2	649.5
Middle Atlantic	10,596.0	10,575.4	69,092.1	69,348.8	3,409.1	3,409.1	40.0	40.0	19,224.5	19,182.5	11.2	11.2	102,372.9	102,567.0
New Jersey	686.4	668.6	14,038.5	14,211.4	420.0	420.0	0.0	0.0	4,107.9	4,110.1	11.2	11.2	19,264.0	19,421.3
New York	7,057.0	7,047.2	26,507.0	26,518.5	1,406.1	1,406.1	20.0	20.0	5,397.6	5,431.4	0.0	0.0	40,387.7	40,423.2
Pennsylvania	2,852.6	2,859.6	28,546.6	28,618.9	1,583.0	1,583.0	20.0	20.0	9,719.0	9,641.0	0.0	0.0	42,721.2	42,722.5
East North Central	10,158.1	9,708.1	116,200.1	120,818.2	1,964.0	1,945.0	100.6	27.5	18,896.1	18,873.3	109.1	109.1	147,428.0	151,481.2
Illinois	3,977.0	3,717.9	29,891.2	29,443.1	0.0	0.0	72.6	1.5	11,589.6	11,564.1	0.0	0.0	45,530.4	44,726.6
Indiana	2,156.6	1,969.0	24,143.9	25,445.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	26,388.5	27,502.0
Michigan	2,155.4	2,146.7	21,932.9	22,437.0	1,964.0	1,945.0	0.0	0.0	3,976.5	3,982.0	0.0	0.0	30,028.8	30,510.7
Ohio	718.6	717.0	25,880.7	28,702.2	0.0	0.0	28.0	26.0	2,134.0	2,134.0	0.0	0.0	28,761.3	31,579.2
Wisconsin	1,150.5	1,157.5	14,351.4	14,790.9	0.0	0.0	0.0	0.0	1,196.0	1,193.2	21.1	21.1	16,719.0	17,162.7
West North Central	21,442.3	19,061.5	61,310.7	62,393.9	657.0	657.0	2.0	2.0	5,859.0	5,806.0	24.5	24.5	89,295.5	87,944.9
Iowa	6,356.2	5,747.5	9,951.1	10,177.2	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	16,908.7	16,526.1
Kansas	3,793.5	2,991.9	9,596.5	10,060.8	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.8	14,565.8	14,228.5
Minnesota	3,895.3	3,423.9	10,185.6	10,596.8	0.0	0.0	1.0	1.0	1,647.0	1,594.0	18.4	18.4	15,747.3	15,634.1
Missouri	1,041.1	1,050.8	18,883.3	18,898.8	657.0	657.0	1.0	1.0	1,193.0	1,193.0	0.0	0.0	21,775.4	21,800.6
Nebraska	1,178.9	1,105.4	6,388.4	6,384.4	0.0	0.0	0.0	0.0	1,242.6	1,242.6	0.0	0.0	8,809.9	8,732.4
North Dakota	2,741.5	2,484.0	4,615.5	4,585.6	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,362.3	7,074.9
South Dakota	2,435.8	2,258.0	1,690.3	1,690.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,126.1	3,948.3
South Atlantic	14,093.5	12,975.2	158,266.1	162,402.7	7,905.2	7,905.2	45.0	34.0	24,578.6	24,559.1	446.7	586.7	205,335.1	208,462.9
Delaware	44.9	43.7	3,361.1	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,406.0	3,086.1
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	1,349.3	1,316.9	53,548.6	54,068.8	0.0	0.0	0.0	0.0	3,572.0	3,572.0	348.7	488.7	58,818.6	59,446.4
Georgia	3,082.9	2,934.3	27,227.5	29,437.1	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	44.0	44.0	36,277.6	38,338.6
Maryland	1,002.3	955.5	9,632.2	9,600.4	0.0	0.0	11.0	0.0	1,707.8	1,707.8	0.0	0.0	12,353.3	12,263.7
North Carolina	4,135.5	3,309.1	21,989.1	21,973.4	86.0	86.0	0.0	0.0	5,113.6	5,094.1	54.0	54.0	31,378.2	30,516.6
South Carolina	1,786.7	1,779.5	11,717.0	11,772.3	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,775.9	22,824.0
Virginia	1,752.0	1,750.2	16,618.3	17,143.4	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	0.0	0.0	25,179.3	25,702.6
West Virginia	930.0	886.0	14,163.3	15,355.9	0.0	0.0	34.0	34.0	0.0	0.0	0.0	0.0	15,127.3	16,275.9
East South Central	8,053.0	7,956.3	67,959.5	70,474.3	1,616.3	1,616.3	0.0	0.0	9,875.6	9,875.6	1.4	1.4	87,505.8	89,923.9
Alabama	3,881.3	3,886.9	22,328.4	23,000.0	0.0	0.0	0.0	0.0	5,066.4	5,066.4	0.0	0.0	31,276.1	31,953.3
Kentucky	1,007.9	905.6	19,054.5	19,974.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,062.4	20,879.8
Mississippi	274.7	274.7	14,262.7	14,405.7	0.0	0.0	0.0	0.0	1,408.5	1,408.5	1.4	1.4	15,947.3	16,090.3
Tennessee	2,889.1	2,889.1	12,313.9	13,094.4	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	20,220.0	21,000.5
West South Central	27,314.2	22,695.4	146,741.2	146,299.2	288.0	288.0	36.0	36.0	8,912.4	8,912.4	512.2	499.2	183,804.0	178,730.2
Arkansas	1,590.4	1,632.0	11,270.5	11,274.0	28.0	28.0	0.0	0.0	1,819.6	1,819.6	0.0	0.0	14,708.5	14,753.6
Louisiana	642.1	642.1	23,483.4	23,605.8	0.0	0.0	0.0	0.0	2,132.8	2,132.8	275.8	275.8	26,534.1	26,656.5
Oklahoma	5,939.7	4,718.9	19,217.6	19,069.3	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	25,417.3	24,048.2
Texas	19,142.0	15,702.4	92,769.7	92,350.1	0.0	0.0	36.0	36.0	4,960.0	4,960.0	236.4	223.4	117,144.1	113,271.9
Mountain	22,263.3	20,887.2	64,052.2	64,264.2	778.8	778.8	2.6	2.6	3,937.0	3,937.0	111.4	111.4	91,145.3	89,981.2
Arizona	4,538.6	4,401.2	19,382.4	19,694.4	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,074.3	28,248.9
Colorado	3,841.3	3,396.8	11,350.2	10,986.2	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	15,763.3	14,954.8
Idaho	3,776.1	3,776.1	1,157.5	1,152.9	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,948.4	4,943.8
Montana	3,398.7	3,397.8	2,722.2	2,892.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,164.9	6,334.5
Nevada	2,653.2	2,366.6	8,258.7	8,258.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,911.9	10,625.3
New Mexico	1,508.8	1,167.2	6,936.1	6,920.8	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,447.5	8,090.6
Utah	832.2	667.1	7,458.6	7,626.4	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,322.6	8,325.3
Wyoming	1,714.4	1,714.4	6,786.5	6,732.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,512.4	8,458.0
Pacific Contiguous	63,315.0	61,971.1	51,173.6	52,030.0	4,183.3	4,183.3	12.5	8.0	3,398.0	3,398.0	124.5	171.8	122,206.9	121,762.2
California	26,581.3	25,276.5	42,480.3	43,377.5	3,869.3	3,869.3	10.5	8.0	2,240.0	2,240.0	124.5	121.0	75,305.9	74,892.3
Oregon	12,047.4	12,037.0	3,859.6	3,859.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,907.0	15,896.6
Washington	24,686.3	24,657.6	4,833.7	4,792.9	314.0	314.0	2.0	0.0	1,158.0	1,158.0	0.0	50.8	30,994.0	30,973.3
Pacific Noncontiguous	1,081.5	1,060.4	4,114.5	4,072.5	0.0	0.0	48.0	48.0	0.0	0.0	26.6	26.6	5,270.6	5,207.5
Alaska	508.3	507.5	2,057.3	2,000.5	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,592.6	2,535.0
Hawaii	573.2	552.9	2,057.2	2,072.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,678.0	2,672.5
U.S. Total	183,113.6	171,485.3	761,815.7	774,919.6	22,599.1	22,558.1	288.7	201.1	98,732.2	98,590.2	1,469.8	1,594.8	1,068,019.1	1,069,349.1

Values are preliminary.

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

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

Table 6.2.B. Net Summer Capacity Using Primarily Renewable Energy Sources and by State, February 2016 and 2015 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Distributed Capacity		Summer Capacity From Utility Scale Facilities and Distributed Capacity			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Distributed Solar Photovoltaic Capacity		Estimated Total Solar Photovoltaic Capacity		Estimated Total Solar Capacity	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	1,002.5	808.2	381.3	342.0	0.0	0.0	1,951.6	1,965.8	1,461.3	1,478.7	0.0	0.0	4,796.7	4,594.7	829.8	588.6	1,211.1	930.6	1,211.1	930.6
Connecticut	0.0	0.0	10.0	10.0	0.0	0.0	122.2	122.2	199.2	207.6	0.0	0.0	331.4	339.8	160.2	93.7	170.2	103.7	170.2	103.7
Maine	612.8	430.6	0.0	0.0	0.0	0.0	728.9	733.0	622.8	631.8	0.0	0.0	1,964.5	1,795.4	NM	9.6	NM	9.6	NM	9.6
Massachusetts	82.6	82.6	333.2	294.9	0.0	0.0	265.9	263.0	283.3	283.3	0.0	0.0	965.0	923.8	564.4	437.4	897.6	732.3	897.6	732.3
New Hampshire	183.1	171.0	0.0	0.0	0.0	0.0	504.8	521.3	243.1	243.1	0.0	0.0	931.0	935.4	25.1	11.2	25.1	11.2	25.1	11.2
Rhode Island	3.8	3.8	7.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	51.3	50.3	10.8	8.0	18.7	14.9	18.7	14.9
Vermont	120.2	120.2	30.2	30.2	0.0	0.0	327.1	323.6	76.0	76.0	0.0	0.0	553.5	550.0	53.9	28.7	84.1	58.9	84.1	58.9
Middle Atlantic	3,088.1	3,098.5	543.8	512.3	0.0	0.0	5,623.5	5,618.8	1,340.6	1,345.8	0.0	0.0	10,596.0	10,575.4	1,446.1	1,184.4	1,989.9	1,696.7	1,989.9	1,696.7
New Jersey	7.6	7.6	437.4	417.9	0.0	0.0	12.3	12.3	229.1	230.8	0.0	0.0	686.4	668.6	831.6	750.8	1,269.0	1,168.7	1,269.0	1,168.7
New York	1,747.0	1,747.0	64.2	52.3	0.0	0.0	4,711.6	4,713.1	534.2	534.8	0.0	0.0	7,057.0	7,047.2	457.7	289.1	521.9	341.4	521.9	341.4
Pennsylvania	1,333.5	1,343.9	42.2	42.1	0.0	0.0	899.6	893.4	577.3	580.2	0.0	0.0	2,852.6	2,859.6	156.8	144.5	199.0	186.6	199.0	186.6
East North Central	7,814.1	7,382.4	212.4	164.6	0.0	0.0	910.3	918.2	1,221.3	1,242.9	0.0	0.0	10,158.1	9,708.1	143.6	121.4	356.0	286.0	356.0	286.0
Illinois	3,799.8	3,526.8	32.8	31.9	0.0	0.0	34.1	34.1	110.3	125.1	0.0	0.0	3,977.0	3,717.9	18.2	15.4	51.0	47.3	51.0	47.3
Indiana	1,889.7	1,739.7	132.0	94.1	0.0	0.0	60.4	60.4	74.5	74.8	0.0	0.0	2,156.6	1,969.0	11.7	7.5	143.7	101.6	143.7	101.6
Michigan	1,360.1	1,360.1	3.9	0.0	0.0	0.0	330.9	333.1	460.5	453.5	0.0	0.0	2,155.4	2,146.7	28.2	25.7	32.1	25.7	32.1	25.7
Ohio	433.1	424.1	42.7	37.6	0.0	0.0	101.9	101.9	140.9	153.4	0.0	0.0	718.6	717.0	63.7	55.0	106.4	92.6	106.4	92.6
Wisconsin	331.4	331.7	1.0	1.0	0.0	0.0	383.0	388.7	435.1	436.1	0.0	0.0	1,150.5	1,157.5	21.8	17.9	22.8	18.9	22.8	18.9
West North Central	17,606.9	15,233.5	16.5	10.4	0.0	0.0	3,287.0	3,300.8	531.9	516.8	0.0	0.0	21,442.3	19,061.5	151.4	125.4	167.9	135.8	167.9	135.8
Iowa	6,188.1	5,582.2	0.0	0.0	0.0	0.0	144.9	144.9	23.2	20.4	0.0	0.0	6,356.2	5,747.5	28.3	21.3	28.3	21.3	28.3	21.3
Kansas	3,770.5	2,968.9	1.0	1.0	0.0	0.0	7.0	7.0	15.0	15.0	0.0	0.0	3,793.5	2,991.9	3.3	2.4	4.3	3.4	4.3	3.4
Minnesota	3,245.0	2,787.8	4.0	1.7	0.0	0.0	194.6	195.0	451.7	439.4	0.0	0.0	3,895.3	3,423.9	20.2	15.5	24.2	17.2	24.2	17.2
Missouri	458.5	458.5	11.5	7.7	0.0	0.0	554.6	568.1	16.5	16.5	0.0	0.0	1,041.1	1,050.8	98.0	84.9	109.5	92.6	109.5	92.6
Nebraska	885.3	811.9	0.0	0.0	0.0	0.0	277.9	277.8	15.7	15.7	0.0	0.0	1,178.9	1,105.4	1.0	0.8	1.0	0.8	1.0	0.8
North Dakota	2,221.7	1,964.2	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	2,741.5	2,484.0	0.2	0.2	0.2	0.2	0.2	0.2
South Dakota	837.8	660.0	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,435.8	2,258.0	0.4	0.3	0.4	0.3	0.4	0.3
South Atlantic	775.3	745.3	1,975.0	914.7	0.0	0.0	7,251.8	7,198.0	4,091.4	4,117.2	0.0	0.0	14,093.5	12,975.2	595.4	418.0	2,570.4	1,332.7	2,570.4	1,332.7
Delaware	2.0	2.0	30.7	29.5	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	44.9	43.7	43.6	39.9	74.3	69.4	74.3	69.4
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0	16.6	16.3	16.6	16.3	16.6	16.3
Florida	0.0	0.0	82.4	72.9	0.0	0.0	54.5	54.5	1,212.4	1,189.5	0.0	0.0	1,349.3	1,316.9	104.5	76.0	186.9	148.9	186.9	148.9
Georgia	0.0	0.0	258.6	68.6	0.0	0.0	2,047.6	2,047.6	776.7	818.1	0.0	0.0	3,082.9	2,934.3	52.6	50.5	311.2	119.1	311.2	119.1
Maryland	190.0	160.0	79.2	60.4	0.0	0.0	590.0	590.0	143.1	145.1	0.0	0.0	1,002.3	955.5	271.4	157.0	350.6	217.4	350.6	217.4
North Carolina	0.0	0.0	1,521.6	680.8	0.0	0.0	2,004.1	1,999.1	609.8	629.2	0.0	0.0	4,135.5	3,309.1	73.1	57.1	1,594.7	737.9	1,594.7	737.9
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,345.1	1,340.3	439.1	436.7	0.0	0.0	1,786.7	1,779.5	7.8	3.2	10.3	5.7	10.3	5.7
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	886.0	884.2	0.0	0.0	1,752.0	1,750.2	22.6	15.6	22.6	15.6	22.6	15.6
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	344.5	300.5	2.2	2.2	0.0	0.0	930.0	886.0	3.2	2.5	3.2	2.5	3.2	2.5
East South Central	29.1	29.1	45.2	45.2	0.0	0.0	6,826.2	6,724.9	1,152.5	1,157.1	0.0	0.0	8,053.0	7,956.3	49.4	48.7	94.6	93.9	94.6	93.9
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,271.0	3,271.0	610.3	615.9	0.0	0.0	3,881.3	3,886.9	1.9	1.9	1.9	1.9	1.9	1.9
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	936.6	835.3	71.3	70.3	0.0	0.0	1,007.9	905.6	9.3	8.4	9.3	8.4	9.3	8.4
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.7	274.7	0.0	0.0	274.7	274.7	1.1	1.4	1.1	1.4	1.1	1.4
Tennessee	29.1	29.1	45.2	45.2	0.0	0.0	2,618.6	2,618.6	196.2	196.2	0.0	0.0	2,889.1	2,889.1	37.1	37.1	82.3	82.3	82.3	82.3
West South Central	22,664.3	18,133.5	330.4	185.7	0.0	0.0	2,987.5	3,049.6	1,332.0	1,326.6	0.0	0.0	27,314.2	22,695.4	257.7	176.1	588.1	361.8	588.1	361.8
Arkansas	0.0	0.0	12.0	0.0	0.0	0.0	1,266.0	1,323.6	312.4	308.4	0.0	0.0	1,590.4	1,632.0	4.0	3.1	16.0	3.1	16.0	3.1
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.1	450.1	0.0	0.0	642.1	642.1	110.0	76.5	110.0	76.5	110.0	76.5
Oklahoma	5,001.4	3,779.5	2.5	0.0	0.0	0.0	859.6	863.2	76.2	76.2	0.0	0.0	5,939.7	4,718.9	2.1	1.7	4.6	1.7	4.6	1.7
Texas	17,662.9	14,354.0	315.9	185.7	0.0	0.0	669.9	670.8	493.3	491.9	0.0	0.0	19,142.0	15,702.4	141.6	94.9	457.5	280.6	457.5	280.6
Mountain	7,807.1	7,096.8	2,719.0	2,159.0	473.9	363.9	10,560.5	10,560.8	174.2	178.2	528.6	528.5	22,263.3	20,887.2	1,211.3	921.1	3,930.3	3,080.1	4,404.2	3,444.0
Arizona	267.3	237.3	1,224.3	1,112.9	295.4	295.4	2,720.9	2,720.9	30.7	34.7	0.0	0.0	4,538.6	4,401.2	657.7	541.0	1,882.0	1,653.9	2,177.4	1,949.3
Colorado	2,943.8	2,566.1	193.6	127.0	0.0	0.0	676.5	676.3	27.4	27.4	0.0	0.0	3,841.3	3,396.8	261.6	224.1	455.2	351.1	455.2	351.1
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,707.7	2,707.7	95.7	95.7	10.0	10.0	3,776.1	3,776.1	5.0	3.2	5.0	3.2	5.0	3.2
Montana	638.1	636.7	0.0	0.0	0.0	0.0	2,757.6	2,758.1	3.0	3.0	0.0	0.0	3,398.7	3,397.8	6.3	4.8	6.3	4.8	6.3	4.8
Nevada	150.0	150.0	826.1	649.6	178.5	68.5	1,051.4	1,051.4	3.2	3.2	444.0	443.9	2,653.2	2,366.6	142.4	53.8	968.5	703.4	1,147.0	771.9
New Mexico	1,113.5	812.3	308.6	268.2	0.0	0.0	82.9	82.9	2.2	2.2	1.6	1.6	1,508.8	1,167.2	77.5	64.5	386.1	332.7	386.1	332.7
Utah	324.4	324.4	166.4	1.3	0.0	0.0	256.4	256.4	12.0	12.0	73.0	73.0	832.2	667.1	58.4	28.1	224.8	29.4	224.8	29.4
Wyoming	1,407.3	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,714.4	NM	1.5	NM	1.5	NM	1.5
Pacific Contiguous	12,285.4	12,144.7	5,849.9	4,609.3	1,259.0	1,302.8	39,913.5	39,880.7	2,053.5	2,060.7	1,953.7	1,972.9	63,315.0	61,971.1	3,704.0	2,614.9	9,553.9	7,224.2	10,812.9	8,527.0
California	6,054.9	5,914.2	5,828.2	4,594.9	1,259.0	1,302.8	10,187.0	10,175.9	1,318.0	1,333.5	1,934.2	1,955.2	26,581.3	25,276.5	3,574.3	2,519.4	9,402.5	7,114.3	10,661.5	8,417.1
Oregon	3,157.4	3,157.4	21.2	13.9	0.0	0.0	8,519.8	8,516.8	329.5	331.2	19.5	17.7	12,047.4	12,037.0	73.9	63.1	95.1	77.0	95.1	77.0
Washington	3,073.1	3,073.1	0.5	0.5	0.0	0.0	21,206.7	21,188.0	406.0	396.0	0.0	0.0	24,686.3	24,657.6	55.8	32.5	56.3	33.0	56.3	33.0
Pacific Noncontiguous	266.4	265.6	44.2	32.2	0.0	0.0	465.5	465.5	262.4	254.1	43.0	43.0	1,081.5	1,060.4	400.9	323.9	445.1	356.1	445.1	356.1
Alaska	60.8	60.0	0.0	0.0	0.0	0.0	440.5	440.5	7.0	7.0	0.0	0.0	508.3	507.5	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii	205.6	205.6	44.2	32.2	0.0	0.0	25.0	25.0	255.4	247.1	43.0	43.0	573.2	552.9	400.9	323.9	445.1	356.1	445.1	356.1
U.S. Total	73,339.2	64,937.6	12,117.7	8,975.4	1,732.9	1,666.7	79,777.4	79,683.1	13,621.1	13,678.1	2,525.3	2,544.4	183,113.6	171,485.3	8,789.5	6,522.6	20,907.2	15,498.0	22,640.1	17,164.7

Values are preliminary.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, February 2016 and 2015 (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	
	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015	February 2016	February 2015
New England	11,838.8	11,755.4	1,114.6	1,110.1	1,321.9	959.2	2,073.3	2,076.8	0.0	0.0	6,557.1	6,914.3	0.0	0.0	22,905.7	22,815.8
Connecticut	2,547.5	2,504.6	482.2	482.2	421.6	64.7	383.4	383.4	0.0	0.0	2,479.5	2,831.5	0.0	0.0	6,314.2	6,266.4
Maine	1,250.0	1,250.0	297.1	297.2	119.0	119.0	85.0	85.0	0.0	0.0	893.4	901.8	0.0	0.0	2,644.5	2,653.0
Massachusetts	5,044.4	5,067.6	331.5	326.9	768.9	765.1	1,071.0	1,074.5	0.0	0.0	2,569.3	2,566.3	0.0	0.0	9,785.1	9,800.4
New Hampshire	1,235.2	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	2,270.9	2,236.7
Rhode Island	1,761.7	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	1,791.3	1,759.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.7	99.5	0.0	0.0	99.7	99.5
Middle Atlantic	24,857.5	23,325.8	7,836.6	8,831.3	12,611.2	11,070.7	18,058.8	18,571.2	11.6	11.6	5,616.0	7,437.8	100.4	100.4	69,092.1	69,348.8
New Jersey	8,114.6	6,620.9	3,067.2	4,081.5	512.6	514.6	1,865.0	1,870.0	11.6	11.6	467.5	1,112.8	0.0	0.0	14,038.5	14,211.4
New York	8,238.4	8,252.6	3,092.0	3,072.4	9,522.0	8,760.5	2,131.4	2,487.7	0.0	0.0	3,523.2	3,945.3	0.0	0.0	26,507.0	26,518.5
Pennsylvania	8,504.5	8,452.3	1,677.4	1,677.4	2,576.6	1,795.6	14,062.4	14,213.5	0.0	0.0	1,625.3	2,379.7	100.4	100.4	28,546.6	28,618.9
East North Central	17,001.2	16,454.9	25,476.7	25,665.9	3,781.0	3,679.2	65,749.6	70,814.1	521.6	521.6	2,746.9	2,747.8	923.1	934.7	116,200.1	120,818.2
Illinois	3,543.0	2,972.4	10,162.4	10,183.3	244.7	232.6	15,143.1	15,254.9	0.0	0.0	680.3	682.2	117.7	117.7	29,891.2	29,443.1
Indiana	2,480.2	2,480.2	3,127.6	3,142.6	276.0	76.0	17,124.5	18,599.0	274.0	274.0	273.3	273.3	588.3	599.9	24,143.9	25,445.0
Michigan	4,292.5	4,292.5	3,396.9	3,556.8	2,809.0	3,054.1	10,844.3	10,948.4	47.2	47.2	543.0	538.0	0.0	0.0	21,932.9	22,437.0
Ohio	4,044.6	4,044.6	5,427.7	5,427.7	131.4	131.4	15,265.0	18,082.5	142.0	142.0	652.9	656.9	217.1	217.1	25,880.7	28,702.2
Wisconsin	2,640.9	2,665.2	3,362.1	3,355.5	319.9	185.1	7,372.7	7,929.3	58.4	58.4	597.4	597.4	0.0	0.0	14,351.4	14,790.9
West North Central	5,910.6	5,751.8	11,377.3	11,547.8	3,441.5	3,350.4	36,446.1	37,618.8	32.0	32.0	4,094.8	4,084.7	8.4	8.4	61,310.7	62,393.9
Iowa	1,125.8	1,131.0	1,105.6	1,104.4	569.8	344.2	6,102.7	6,563.0	32.0	32.0	1,015.2	1,002.6	0.0	0.0	9,951.1	10,177.2
Kansas	149.0	0.0	2,184.8	2,336.8	1,861.0	2,088.0	4,861.1	5,097.1	0.0	0.0	540.6	538.9	0.0	0.0	9,596.5	10,060.8
Minnesota	2,173.2	2,158.2	2,534.1	2,575.7	264.9	271.4	4,414.0	4,793.6	0.0	0.0	799.4	797.9	0.0	0.0	10,185.6	10,596.8
Missouri	1,830.0	1,830.0	3,379.3	3,355.4	323.8	230.8	12,211.0	12,337.6	0.0	0.0	1,139.2	1,145.0	0.0	0.0	18,883.3	18,898.8
Nebraska	342.6	342.6	1,150.9	1,152.9	413.3	407.3	4,167.9	4,167.9	0.0	0.0	313.7	313.7	0.0	0.0	6,388.4	6,384.4
North Dakota	0.0	0.0	328.0	328.0	0.0	0.0	4,214.4	4,184.6	0.0	0.0	64.7	64.6	8.4	8.4	4,615.5	4,585.6
South Dakota	290.0	290.0	694.6	694.6	8.7	8.7	475.0	475.0	0.0	0.0	222.0	222.0	0.0	0.0	1,690.3	1,690.3
South Atlantic	47,929.6	47,515.3	31,682.2	31,856.2	6,720.2	6,128.6	58,535.3	63,229.6	669.8	669.8	12,594.0	12,868.2	135.0	135.0	158,266.1	162,402.7
Delaware	1,512.0	1,196.0	314.0	311.0	876.0	876.0	410.0	410.0	0.0	0.0	114.1	114.4	135.0	135.0	3,361.1	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	25,641.6	25,545.6	8,080.4	8,404.0	2,644.7	2,792.3	10,085.0	10,177.0	586.0	586.0	6,510.9	6,563.9	0.0	0.0	53,548.6	54,068.8
Georgia	7,950.8	7,961.8	7,846.7	7,823.4	857.5	115.0	9,489.7	12,332.4	83.8	83.8	999.0	1,120.7	0.0	0.0	27,227.5	29,437.1
Maryland	250.0	250.0	1,580.9	1,471.1	1,489.8	1,489.8	4,712.0	4,739.0	0.0	0.0	1,599.5	1,650.5	0.0	0.0	9,632.2	9,600.4
North Carolina	4,751.8	4,738.5	6,031.7	6,031.7	0.0	0.0	10,802.8	10,800.8	0.0	0.0	402.8	402.4	0.0	0.0	21,989.1	21,973.4
South Carolina	2,409.0	2,409.0	2,855.6	2,855.6	267.5	270.8	5,575.5	5,575.5	0.0	0.0	609.4	661.4	0.0	0.0	11,717.0	11,772.3
Virginia	5,414.4	5,414.4	3,892.6	3,879.1	584.7	584.7	4,379.3	4,921.3	0.0	0.0	2,347.3	2,343.9	0.0	0.0	16,618.3	17,143.4
West Virginia	0.0	0.0	1,071.3	1,071.3	0.0	0.0	13,081.0	14,273.6	0.0	0.0	11.0	11.0	0.0	0.0	14,163.3	15,355.9
East South Central	19,041.1	18,380.4	12,909.3	12,887.5	3,308.1	2,744.1	32,450.4	36,211.7	0.0	0.0	150.8	150.8	99.8	99.8	67,959.5	70,474.3
Alabama	9,391.7	9,391.3	2,530.6	2,530.6	189.3	189.3	10,074.4	10,746.4	0.0	0.0	42.6	42.6	99.8	99.8	22,328.4	23,000.0
Kentucky	663.3	0.0	4,882.6	4,870.6	0.0	0.0	13,496.7	15,091.7	0.0	0.0	11.9	11.9	0.0	0.0	19,054.5	19,974.2
Mississippi	7,583.1	7,586.1	1,718.9	1,716.9	3,097.6	2,533.6	1,820.0	2,526.0	0.0	0.0	43.1	43.1	0.0	0.0	14,262.7	14,405.7
Tennessee	1,403.0	1,403.0	3,777.2	3,769.4	21.2	21.2	7,059.3	7,847.6	0.0	0.0	53.2	53.2	0.0	0.0	12,313.9	13,094.4
West South Central	59,412.0	58,638.2	13,121.0	12,267.3	35,442.0	36,052.4	37,328.9	37,921.9	903.2	903.2	178.3	185.4	355.8	330.8	146,741.2	146,299.2
Arkansas	4,597.3	4,597.3	725.8	729.3	810.7	810.7	5,124.5	5,124.5	0.0	0.0	12.2	12.2	0.0	0.0	11,270.5	11,274.0
Louisiana	7,518.1	7,548.1	2,649.8	2,649.8	9,487.1	9,022.4	2,843.6	3,418.6	892.6	892.6	42.0	49.1	50.2	25.2	23,483.4	23,605.8
Oklahoma	7,216.1	7,161.8	1,300.2	1,194.7	5,369.6	5,381.1	5,257.3	5,257.3	0.0	0.0	74.4	74.4	0.0	0.0	19,217.6	19,069.3
Texas	40,080.5	39,331.0	8,445.2	7,693.5	19,774.6	20,838.2	24,103.5	24,121.5	10.6	10.6	49.7	49.7	305.6	305.6	92,769.7	92,350.1
Mountain	22,474.5	21,945.4	8,925.8	8,921.5	3,134.6	3,213.4	28,984.6	29,674.0	52.0	52.0	370.8	370.8	109.9	87.1	64,052.2	64,264.2
Arizona	9,866.7	9,888.7	2,367.6	2,367.6	1,147.6	1,177.6	5,910.0	6,170.0	0.0	0.0	90.5	90.5	0.0	0.0	19,382.4	19,694.4
Colorado	3,227.7	2,651.7	2,535.3	2,535.3	289.0	349.0	5,129.8	5,281.8	0.0	0.0	168.4	168.4	0.0	0.0	11,350.2	10,986.2
Idaho	568.5	568.5	562.1	557.5	4.3	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,157.5	1,152.9
Montana	0.0	0.0	321.6	362.1	54.0	54.0	2,293.1	2,423.1	52.0	52.0	0.0	0.0	1.5	1.5	2,722.2	2,892.7
Nevada	5,418.6	5,418.6	1,385.6	1,385.6	451.1	451.1	997.4	997.4	0.0	0.0	6.0	6.0	0.0	0.0	8,258.7	8,258.7
New Mexico	1,469.0	1,493.9	1,079.8	1,039.6	849.4	849.4	3,471.0	3,471.0	0.0	0.0	66.9	66.9	0.0	0.0	6,936.1	6,920.8
Utah	1,830.0	1,830.0	520.2	520.2	326.6	322.4	4,754.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,458.6	7,626.4
Wyoming	94.0	94.0	153.6	153.6	12.6	5.6	6,412.1	6,387.5	0.0	0.0	5.8	5.8	108.4	85.6	6,786.5	6,732.1
Pacific Contiguous	25,317.5	25,361.4	11,317.2	11,372.8	11,889.9	12,629.8	2,015.0	2,043.6	0.0	0.0	422.3	410.7	211.7	211.7	51,173.6	52,030.0
California	19,591.2	19,675.9	10,542.2	10,597.8	11,638.1	12,378.0	90.0	118.6	0.0	0.0	407.1	395.5	211.7	211.7	42,480.3	43,377.5
Oregon	2,916.6	2,916.6	133.8	133.8	224.2	224.2	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,859.6	3,859.6
Washington	2,809.7	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	4,833.7	4,792.9
Pacific Noncontiguous	418.0	605.2	654.3	527.8	175.0	76.0	286.1	286.1	0.0	0.0	2,574.7	2,571.0	6.4	6.4	4,114.5	4,072.5
Alaska	418.0	605.2	654.3	527.8	175.0	76.0	106.1	106.1	0.0	0.0	703.9	685.4	0.0	0.0	2,057.3	2,000.5
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,870.8	1,885.6	6.4	6.4	2,057.2	2,072.0
U.S. Total	234,200.8	229,733.8	124,415.0	124,988.2	81,825.4	79,903.8	281,928.1	298,447.8	2,190.2	2,190.2	35,305.7	37,741.5	1,950.5	1,914.3	761,815.7	774,919.6

Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a 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, 2016

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	1	59247	Bearford Solar II LLC	IPP	Bearford Solar II	NC	59488	BEARF	4.9	Solar Photovoltaic	SUN	PV
2016	1	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	1	59858	Chei Solar LLC	IPP	Chei Solar	NC	59508	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	1	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY
2016	1	59693	Cline Solar Farm LLC	IPP	Cline Solar Farm, LLC	NC	59929	NB007	4.9	Solar Photovoltaic	SUN	PV
2016	1	59692	Coats Solar Farm LLC	IPP	Coats Solar Farm, LLC	NC	59937	NB006	4.9	Solar Photovoltaic	SUN	PV
2016	1	5109	DTE Electric Company	Electric Utility	Greenwood Solar Farm	MI	60019	1	1.9	Solar Photovoltaic	SUN	PV
2016	1	57170	EDF Renewable Asset Holdings, Inc.	IPP	Milo Wind Project LLC	NM	59838	GEN1	50.0	Onshore Wind Turbine	WND	WT
2016	1	58873	Green Energy Team LLC	IPP	Biomass to Energy Facility, Kauai	HI	59035	MKA1	8.3	Other Waste Biomass	AB	ST
2016	1	59835	Green Farm Solar LLC	IPP	Green Farm	NC	59148	GREEN	5.0	Solar Photovoltaic	SUN	PV
2016	1	59853	Happy Solar LLC	IPP	Happy Solar	NC	59512	PV1	4.0	Solar Photovoltaic	SUN	PV
2016	1	9267	Hoosier Energy R E C, Inc	Electric Utility	New Castle Solar RES	IN	59981	PV1	1.1	Solar Photovoltaic	SUN	PV
2016	1	9324	Indiana Michigan Power Co	Electric Utility	Deer Creek PV	IN	59855	DCPV1	2.5	Solar Photovoltaic	SUN	PV
2016	1	59285	Innovative Solar 6, LLC	IPP	Innovative Solar 6	NC	59542	IS6	3.6	Solar Photovoltaic	SUN	PV
2016	1	59447	Innovative Solar 64, LLC	IPP	Innovative Solar 64	NC	59677	IS064	4.9	Solar Photovoltaic	SUN	PV
2016	1	59851	Jacob Solar LLC	IPP	Jacob Solar	NC	59503	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	1	58891	Jericho Power LLC	IPP	Jericho Power	NH	59070	WT 1	12.1	Onshore Wind Turbine	WND	WT
2016	1	59850	Kenneth Solar LLC	IPP	Kenneth Solar	NC	59507	PV1	3.0	Solar Photovoltaic	SUN	PV
2016	1	58679	Kirkwall Holdings, LLC	IPP	Kirkwall Holdings	NC	58791	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	1	59245	Lanier Solar	IPP	Lanier Solar	NC	59486	LANIE	4.9	Solar Photovoltaic	SUN	PV
2016	1	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK7	41.9	Solar Photovoltaic	SUN	PV
2016	1	59691	Meadowbrook Solar Farm LLC	IPP	Meadowbrook Solar Farm	NC	59936	NB008	4.9	Solar Photovoltaic	SUN	PV
2016	1	12341	MidAmerican Energy Co	Electric Utility	Adams Wind	IA	59637	ADWF4	46.9	Onshore Wind Turbine	WND	WT
2016	1	59857	Murdock Solar LLC	IPP	Murdock Solar	NC	59509	PV1	4.0	Solar Photovoltaic	SUN	PV
2016	1	59262	NRG Solar Oasis, LLC	IPP	NRG Solar Oasis LLC	CA	59528	OASIS	20.0	Solar Photovoltaic	SUN	PV
2016	1	59899	OEE XVII, LLC	Commercial	Harpster Wind	OH	60126	H1	1.5	Onshore Wind Turbine	WND	WT
2016	1	56545	Pattern Operators LP	IPP	Fowler Ridge IV Wind Farm LLC	IN	59547	1	150.0	Onshore Wind Turbine	WND	WT
2016	1	59514	River Mountains Solar, LLC	IPP	River Mountains Solar	NV	59747	1	14.4	Solar Photovoltaic	SUN	PV
2016	1	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK4	35.7	Solar Photovoltaic	SUN	PV
2016	1	59836	Simons Solar Farm LLC	IPP	Simons Farm	NC	59149	SIMON	5.0	Solar Photovoltaic	SUN	PV
2016	1	58674	Sonne One, LLC	IPP	Sonne One	NC	58782	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	1	58661	Sustainable Power Group, LLC	IPP	SEPV 18	CA	59730	SPV18	2.0	Solar Photovoltaic	SUN	PV
2016	1	59412	Tarboro Solar LLC	IPP	Tarboro Solar	NC	59648	5MWPV	5.0	Solar Photovoltaic	SUN	PV
2016	1	59690	Vance Solar Farm LLC	IPP	Vance Solar Farm, LLC	NC	59928	NB007	4.9	Solar Photovoltaic	SUN	PV
2016	1	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.0	Onshore Wind Turbine	WND	WT
2016	2	59841	70SM1 8ME LLC	IPP	Calipatria Solar Farm	CA	59088	GEN 1	20.0	Solar Photovoltaic	SUN	PV
2016	2	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY
2016	2	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric	WAT	HY
2016	2	10908	City of Lenox - (IA)	Electric Utility	Lenox	IA	1158	5	1.8	Petroleum Liquids	DFO	IC
2016	2	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 3	CA	59900	C3CA	20.0	Solar Photovoltaic	SUN	PV
2016	2	57365	Consolidated Edison Solutions Inc	IPP	CES Cherry Hill Solar	NJ	60201	CHNJ	1.2	Solar Photovoltaic	SUN	PV
2016	2	59784	Innovative Solar 63, LLC	IPP	Innovative Solar 63, LLC	NC	60053	FLS1	4.9	Solar Photovoltaic	SUN	PV
2016	2	59937	Lemoore PV1, LLC	IPP	Lemoore 1	CA	60142	LEPV1	1.5	Solar Photovoltaic	SUN	PV
2016	2	59791	Lindberg Field Solar I LLC	IPP	Lindberg Field Solar	CA	60060	SDIA2	2.1	Solar Photovoltaic	SUN	PV
2016	2	59996	Long Farm 46 Solar, LLC	IPP	Long Farm 46 Solar, LLC	NC	60208	PV1	5.0	Solar Photovoltaic	SUN	PV
2016	2	17470	PUD 1 of Snohomish County	Electric Utility	MESA 1	WA	60016	B	1.0	Batteries	MWH	BA
2016	2	57313	SolarCity Corporation	IPP	Onondaga County - Metro Water Board	NY	60097	PV1	1.0	Solar Photovoltaic	SUN	PV
2016	2	57313	SolarCity Corporation	IPP	Town of Needham VNEM	MA	60110	PV1	3.0	Solar Photovoltaic	SUN	PV
2016	2	57313	SolarCity Corporation	IPP	Williamsburg Solar LLC VNEM	MA	60111	PV1	2.2	Solar Photovoltaic	SUN	PV
2016	2	17650	Southern Power Co	IPP	Butler Solar Farm 20	GA	59891	1	20.0	Solar Photovoltaic	SUN	PV
2016	2	17650	Southern Power Co	IPP	Stateline Solar	CA	58646	STL4	37.9	Solar Photovoltaic	SUN	PV
2016	2	59788	Steel Bridge Solar. LLC	IPP	Steel Bridge Solar, LLC	OR	60057	STEEL	2.3	Solar Photovoltaic	SUN	PV
2016	2	59885	UIL Distributed Resources, LLC	IPP	UDR Glastonbury Fuel Cell	CT	60109	UDRFC	2.5	Other Natural Gas	NG	FC
2016	2	59969	Whitethorn Solar LLC	IPP	Whitethorn Solar LLC	CA	60193	GEN1	3.3	Solar Photovoltaic	SUN	PV
2016	2	58984	Winton Solar LLC	IPP	Winton Solar	NC	59177	5MWPV	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 signifciant portion of capacity for some technologies such as solar photovoltaic generation.

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

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

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2016

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	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	2	3900	City of Coggon - (IA)	Electric Utility	Coggon	IA	1132	IC1	0.6	Petroleum Liquids	DFO	IC
2016	2	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	4	16.5	Conventional Steam Coal	BIT	ST
2016	2	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	5	22.0	Conventional Steam Coal	BIT	ST
2016	2	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	6	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	2	17872	City of St Francis - (KS)	Electric Utility	St Francis	KS	1321	3	0.8	Petroleum Liquids	DFO	IC
2016	2	4161	Constellation Power Source Gen	IPP	Perryman	MD	1556	GT2	51.0	Petroleum Liquids	DFO	GT

NOTES:

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

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

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

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	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5A	0.8	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	0.8
2016	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2016	3	59789	Avalon Solar Partners II, LLC	IPP	Avalon Solar II	AZ	60062	AS8	16.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	16.0
2016	3	59842	Blythe Solar 110, LLC	IPP	Blythe Solar 110, LLC	CA	60093	BLCK1	38.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	38.7
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN01	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN02	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN03	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN04	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN05	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN06	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN07	3.4	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	3.4
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	10	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	11	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	5	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	6	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	7	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	8	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	298	City of Alexandria - (LA)	Electric Utility	D G Hunter	LA	6558	9	8.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric	WAT	HY	(TS) Construction complete, but not yet in commercial operation	35.0
2016	3	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	3.2
2016	3	57249	EPP Renewable Energy	IPP	Nashua Plant	NH	55006	UNT3	1.5	Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	1.6
2016	3	59735	Enterparc CA2, LLC	IPP	Enterparc CA2, LLC	CA	59978	ECA22	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2016	3	6452	Florida Power & Light Co	Electric Utility	Daytona International Speedway Solar	FL	60005	1	0.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.6
2016	3	59402	Garysburg Solar LLC	IPP	Garysburg Solar	NC	59641	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	3	59403	Gaston Solar LLC	IPP	Gaston Solar	NC	59642	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	3	7353	Golden Valley Elec Assn Inc	Electric Utility	Healy	AK	6288	2	50.0	Conventional Steam Coal	LIG	ST	(TS) Construction complete, but not yet in commercial operation	50.0
2016	3	59462	Heelstone Energy Holdings, LLC	IPP	Creswood Solar Center LLC	NC	59914	CREST	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	3	59971	Kenansville Solar 2 LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV1	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2016	3	59971	Kenansville Solar 2 LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV2	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2016	3	59971	Kenansville Solar 2 LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV3	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2016	3	59971	Kenansville Solar 2 LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV4	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2016	3	58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK	58902	KNG11	298.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	298.0
2016	3	59897	LKL Goldfinch, LLC	IPP	Goldfinch	FL	60124	GFNCH	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2016	3	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	212.2	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	212.2
2016	3	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5	118.9	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	118.9
2016	3	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	89.0
2016	3	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	89.0
2016	3	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	41.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	41.9
2016	3	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN3	1.0	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	1.0
2016	3	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN4	0.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.3
2016	3	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	10	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	11	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	12	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	3	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	2	9.1	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	9.3
2016	3	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	3	9.1	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	9.3
2016	3	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CS	(V) Under construction, more than 50 percent complete	435.0
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT1	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT2	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT3	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT4	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT5	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT6	8.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	8.5
2016	3	57313	SolarCity Corporation	IPP	Jackson Board of Education-Liberty HS	NJ	60113	PV1	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.2
2016	3	57313	SolarCity Corporation	IPP	Oneida County- DPW	NY	60114	PV1	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2016	3	17609	Southern California Edison Co	Electric Utility	Tehachapi Energy Storage Project	CA	59661	TSP1	8.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	8.0
2016	3	17650	Southern Power Co	IPP	Grant Wind, LLC	OK	60013	GRANT	151.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	151.8
2016	3	17650	Southern Power Co	IPP	Pawpaw Solar Plant	GA	59894	1	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2016	3	59139	SunEdison LLC	IPP	SunE- E Philadelphia Ontario	CA	59916	12307	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2016	3	58661	Sustainable Power Group, LLC	IPP	Latigo Wind Park	UT	59965	LTIGO	62.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	62.1
2016	3	59570	TWE Kelford Solar Project, LLC	IPP	Kelford	NC	59796	FLS1	4.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2016	3	19497	United Illuminating Co	Electric Utility	UI RCP Bridgeport Seaside	CT	60054	BPPV	2.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.2
2016	3	19876	Virginia Electric & Power Co	Electric Utility	Philip Morris	VA	59911	1	2.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.4
2016	3	58982	Woodland Solar LLC	IPP	Woodland Solar	NC	59175	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	4	59912	Amethyst Solar LLC	IPP	Amethyst Solar	NC	58730	PV1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2016	4	59910	Audrey Solar LLC	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2016	4	59359	BHE Renewables, LLC	IPP	Marshall Wind Farm	KS	59084	RPMA	73.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	73.8
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 1	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 2	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 5	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 6	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 8	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 9	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN11	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN12	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN4	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN10	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN11	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN2	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN3	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN5	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN6	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.1
2016	4	59842	Blythe Solar 110, LLC	IPP	Blythe Solar 110, LLC	CA	60093	BLCK2	36.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	36.3
2016	4	57365	Consolidated Edison Solutions Inc	IPP	Future Generation Wind	MA	59622	FGMA	7.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	8.0
2016	4	4254	Consumers Energy Co	Electric Utility	Grand Valley Solar Gardens	MI	60118	1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2016	4	58695	Coronal Development Services	IPP	County Home Solar Center, LLC	NC	60199	CHSC1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2016	4	58695	Coronal Development Services	IPP	Mariposa Solar Center LLC	NC	59162	MSC 1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	4	6455	Duke Energy Florida, Inc	Electric Utility	Osceola Solar Facility	FL	59954	XXXXX	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2016	4	3046	Duke Energy Progress - (NC)	Electric Utility	Elm City Solar Facility	NC	59164	NSC 1	17.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	40.0
2016	4	58970	Ecoplexus, Inc	IPP	Meadows PV 1	NC	59513	MEAD1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	4	10171	Kentucky Utilities Co	Electric Utility	E W Brown	KY	1355	SOLAR	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2016	4	12397	Metropolitan Water District of S CA	Electric Utility	Weymouth Solar Plant	CA	60255	1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2016	4	12397	Metropolitan Water District of S CA	Electric Utility	Weymouth Solar Plant	CA	60255	2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2016	4	59911	Milo Solar LLC	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2016	4	59913	Minnie Solar LLC	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG1	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG10	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG2	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG3	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG4	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG5	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG6	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG7	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG8	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG9	0.6	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.6
2016	4	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	5.2	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	5.2
2016	4	59916	Owen Solar LLC	IPP	Owen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	4	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2016	4	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2016	4	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	1	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	4	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	2	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	4	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	3	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	4	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	4	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	4	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	5	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1.6
2016	4	59766	SR Jenkins, LLC	IPP	SR Jenkins Ft Lupton	CO	60023	FTLUP	13.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	13.0
2016	4	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK5	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	4	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK6	36.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	36.6
2016	4	57313	SolarCity Corporation	IPP	Genentech-Oceanside	CA	60231	PV1	4.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.5
2016	4	57313	SolarCity Corporation	IPP	Oregon Convention Center	OR	60112	PV1	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2016	4	57313	SolarCity Corporation	IPP	Town of Halfmoon	NY	60115	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2016	4	59914	Sophie Solar LLC	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2016	4	17650	Southern Power Co	IPP	Stateline Solar	CA	58646	STL5	37.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	37.9
2016	4	59915	Star Solar LLC	IPP	Star Solar	NC	58746	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	4	59773	SunE Solar XVI Lessor, LLC	IPP	SunE Rochester	CA	60032	RCHTR	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2016	4	58658	Sunlight Partners	IPP	Beetle Solar	NC	59511	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2016	4	58658	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN 1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2016	4	58658	Sunlight Partners	IPP	Husky Solar	NC	59510	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	4	58661	Sustainable Power Group, LLC	IPP	SEPV Mojave West	CA	59740	SPVMW	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2016	4	58661	Sustainable Power Group, LLC	Commercial	Southbridge Solar	MA	60278	SBRDG	1.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.9
2016	4	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST	(V) Under construction, more than 50 percent complete	1,269.9
2016	4	19876	Virginia Electric & Power Co	Electric Utility	Western Branch High School	VA	59904	1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2016	5	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	59842	Blythe Solar 110, LLC	IPP	Blythe Solar 110, LLC	CA	60093	BLCK3	34.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	34.8
2016	5	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	148.7
2016	5	58468	Dominion Renewable Energy	IPP	Marin Carport	CA	59703	1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Perry Solar Facility	FL	60071	XXXXX	5.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.1
2016	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-3	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	131.8
2016	5	59745	First Solar Asset Management	IPP	Kingbird A Solar LLC	CA	59868	GEN01	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2016	5	59745	First Solar Asset Management	IPP	Kingbird B Solar, LLC	CA	60091	GEN01	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2016	5	6452	Florida Power & Light Co	Electric Utility	FIU Solar	FL	60006	1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK2	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	202.0
2016	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK3	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	202.0
2016	5	59462	Heelstone Energy Holdings, LLC	IPP	Cornwall Solar Center, LLC	NC	59663	CSC1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Harding Street	IN	990	BAT1	20.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	20.0
2016	5	59120	Los Vientos Windpower IV, LLC	IPP	Los Vientos Windpower IV	TX	59321	GEN1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2016	5	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	59.0	Natural Gas Fired Combined Cycle	NG	CC	(TS) Construction complete, but not yet in commercial operation	64.0
2016	5	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK2	21.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	21.0
2016	5	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CS	(V) Under construction, more than 50 percent complete	435.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN1	300.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	300.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN2	200.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	200.0
2016	5	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK7	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	5	57313	SolarCity Corporation	IPP	AVS Lancaster 1	CA	60085	PV1	3.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.7
2016	5	57313	SolarCity Corporation	IPP	Hewlett-Packard (HP) - Andover, MA	MA	60099	PV1	1.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.7
2016	5	57313	SolarCity Corporation	IPP	Maricopa County Community Colleges- Estrella Mountain	AZ	60230	PV1	1.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.7
2016	5	57313	SolarCity Corporation	IPP	Onondaga County- Jamesville	NY	60232	PV1	1.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.9
2016	5	57313	SolarCity Corporation	IPP	Orange County Solar Farm (NY)	NY	60229	PV1	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2016	5	58661	Sustainable Power Group, LLC	IPP	Leavenworth Greenworks LLC	NY	59276	LEAVG	9.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.5
2016	5	59598	Tooele Army Depot	IPP	Tooele Wind Turbine	UT	59817	GEN03	1.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	1.7
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT01	263.9	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT02	263.9	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT03	263.9	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	ST01	579.4	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	579.7
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Merck	VA	59905	1	2.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.1
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AI1	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	226.9
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AI2	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	226.9
2016	6	59050	Algonquin Power Co	IPP	Algonquin SKIC 10 Solar, LLC	CA	60242	SKI10	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	6	59050	Algonquin Power Co	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2016	6	57369	Apple, Inc	Industrial	Apple Campus 2 Fuel Cell	CA	59557	AC2FC	4.0	Other Waste Biomass	OBG	FC	(T) Regulatory approvals received. Not under construction	4.0
2016	6	772	Archer Daniels Midland Co	Industrial	Archer Daniels Midland Cedar Rapids	IA	10864	GEN7	35.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	38.5
2016	6	14534	City of Pasadena - (CA)	Electric Utility	Glenarm	CA	422	GT5	68.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	71.0
2016	6	59429	Comanche LLC	IPP	Comanche Solar	CO	59656	COMCH	120.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	120.0
2016	6	56769	Consolidated Edison Development Inc.	IPP	CED Westfield Solar, LLC	MA	60274	WFMA	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	6	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5EG	1.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.0
2016	6	59765	Eight Flags Energy LLC	Electric CHP	Eight Flags Energy	FL	60025	01	19.8	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	21.0
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2	138.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	250.0
2016	6	59745	First Solar Asset Management	IPP	Rancho Seco Solar, LLC	CA	60226	GEN01	10.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.8
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5A	1,260.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	464.0
2016	6	59939	Floyd Solar, LLC	IPP	Floyd Solar, LLC	NC	60147	FLS1	6.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.5
2016	6	59776	Frontier Solar, LLC	IPP	Frontier Solar LLC	CA	60039	FTRS	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2016	6	57104	Golden Springs Development Company LLC	IPP	Building L	CA	60154	BLDG1	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2016	6	57104	Golden Springs Development Company LLC	IPP	Building F	CA	60151	BLDGF	1.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.3
2016	6	57104	Golden Springs Development Company LLC	IPP	Building G	CA	60153	BLDGG	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2016	6	57104	Golden Springs Development Company LLC	IPP	Dulles	CA	60182	DULLE	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	6	57104	Golden Springs Development Company LLC	IPP	Freeway Springs	CA	60183	FSPRI	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	6	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2016	6	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2016	6	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2016	6	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	1	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	2	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	3	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	4	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	5	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7
2016	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	6	2.3	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.7
2016	6	59441	Innovative Solar 46, LLC	IPP	Innovative Solar 46	NC	59671	IS046	78.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	78.5
2016	6	59446	Innovative Solar 55, LLC	IPP	Innovative Solar 55	NC	59676	IS044	6.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.5
2016	6	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2016	6	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	FA	58462	BLK3	39.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	39.6
2016	6	59893	Northern Water Hydropower Enterprise	Commercial	Granby Hydro	CO	60119	GEN1	1.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT1	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT2	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT3	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT4	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT5	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	60048	PHR Holdings LLC	IPP	Cielo Lindo	TX	60264	CLGT6	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	71.2
2016	6	40307	Prairie Power, Inc	Electric Utility	Alsey	IL	7818	6	42.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	48.0
2016	6	16179	Rochelle Municipal Utilities	Electric Utility	South Main Street	IL	961	16	1.8	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	1.8
2016	6	16179	Rochelle Municipal Utilities	Electric Utility	South Main Street	IL	961	17	1.8	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	1.8
2016	6	16179	Rochelle Municipal Utilities	Electric Utility	South Main Street	IL	961	18	1.8	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	1.8
2016	6	59404	Seaboard Solar LLC	IPP	Seaboard Solar LLC	NC	59643	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2016	6	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK8	16.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	16.2
2016	6	57313	SolarCity Corporation	IPP	BJ's Wholesale Club, Inc.-Burlington, NJ distribution center	NJ	60227	PV1	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2016	6	59837	South Plains Wind Energy II, LLC	IPP	South Plains II	TX	60087	SP8	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG01	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG02	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG03	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG04	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG05	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG06	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG07	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG08	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG09	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG10	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG11	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG12	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.7
2016	6	17650	Southern Power Co	IPP	Stateline Solar	CA	58646	STL6	37.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	37.9
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	1	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	2	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	3	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2016	6	59116	WED Coventry Five, LLC	IPP	WED Coventry 5	RI	59313	COV5	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59108	WED Coventry Four, LLC	IPP	WED Coventry 4	RI	59306	WEDC4	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59105	WED Coventry One, LLC	IPP	WED Coventry 1	RI	59301	WEDC1	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59107	WED Coventry Three, LLC	IPP	WED Coventry 3	RI	59305	WEDC3	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2016	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2016	7	59474	BQ Energy LLC	IPP	Steel Sun	NY	59705	SSUN2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	7	59843	Blythe Solar II, LLC	IPP	Blythe Solar II, LLC	CA	60092	BLCK4	33.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	33.2
2016	7	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV01	51.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.8
2016	7	59997	Customized Energy Solutions	IPP	ESS Fairgrounds	MD	60215	ESSFG	4.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	4.0
2016	7	59997	Customized Energy Solutions	IPP	ESS Lewes	DE	60216	ESSLS	8.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	8.0
2016	7	59997	Customized Energy Solutions	IPP	ESS Wesel	MD	60214	ESSWL	6.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	6.0
2016	7	56215	E ON Climate Renewables N America LLC	IPP	Colbec's Corner, LLC	TX	59068	GV8	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	7	59155	First Wind O&M, LLC	IPP	Enterprise Solar, LLC	UT	59386	ENTS1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	7	59258	Five Points Solar Park, LLC	IPP	Five Points Solar Park	CA	59523	FRFSP	60.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	60.0
2016	7	9324	Indiana Michigan Power Co	Electric Utility	Twin Branch PV	IN	59861	TBPV1	2.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.6
2016	7	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Greenwood (MO)	MO	6074	5	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2016	7	9436	Mosaic Phosphates Co.	Industrial	Mosaic Phosphates Uncle Sam	LA	10198	GEN3	15.0	All Other	OTH	ST	(V) Under construction, more than 50 percent complete	15.0
2016	7	56990	NJR Clean Energy Ventures Corporation	IPP	Cedar Branch	NJ	60266	CEDAR	5.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.9
2016	7	56990	NJR Clean Energy Ventures Corporation	IPP	Junction Road	NJ	60265	JUNCT	4.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	7	13511	New York State Elec & Gas Corp	Electric Utility	Harris Lake	NY	2528	2	2.3	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	2.5
2016	7	58489	OCI Solar Power	IPP	OCI Alamo 6 LLC	TX	59206	OCIA6	105.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	105.0
2016	7	58593	Sequoia PV 1 LLC	IPP	Nicolls Solar PV Plant	CA	59600	GEN1	19.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	7	58593	Sequoia PV 1 LLC	IPP	Tropico Solar PV Plant	CA	59599	GEN1	13.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	14.0
2016	7	17650	Southern Power Co	IPP	Stateline Solar	CA	58646	STL7	37.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	37.9
2016	7	58661	Sustainable Power Group, LLC	IPP	Aspiration G	CA	59737	ASPRG	9.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Elevation Solar C	CA	59964	ELVSC	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 1	CA	59315	BEAC1	56.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	56.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 3	CA	59316	BEAC3	56.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	56.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 4	CA	59317	BEAC4	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2016	7	59963	TWE New Bern Solar Project, LLC	IPP	TWE New Bern Solar Project, LLC	NC	60191	FLS1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2016	7	19876	Virginia Electric & Power Co	Electric Utility	Remington Solar Facility	VA	59685	01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	7	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	11	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	7	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	12	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	8	59861	Benson Creek	IPP	Benson Creek Windfarm	OR	59491	BCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59843	Blythe Solar II, LLC	IPP	Blythe Solar II, LLC	CA	60092	BLCK5	33.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	33.9
2016	8	59903	Candace Solar LLC	IPP	Candace Solar	NC	59499	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	8	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K8CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2016	8	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K7CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2016	8	59938	Cohen Farm Solar, LLC	IPP	Cohen Farm Solar, LLC	NC	60146	FLS1	6.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	6.5
2016	8	56769	Consolidated Edison Development Inc.	IPP	OCI Alamo 7 LLC	TX	59207	OCIA7	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2016	8	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV02	41.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	41.8
2016	8	4329	Copper Valley Elec Assn, Inc	Electric Utility	Allison Creek Hydro	AK	58982	GEN1	6.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	6.5
2016	8	59862	Durbin Creek	IPP	Durbin Creek Windfarm	OR	59492	DCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	58970	Ecoplexus, Inc	IPP	Grandy PV 1	NC	59518	GRAND	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	8	59155	First Wind O&M, LLC	IPP	Escalante Solar I, LLC	UT	59387	ESCS1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59155	First Wind O&M, LLC	IPP	Escalante Solar II, LLC	UT	59388	ESCS2	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59155	First Wind O&M, LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCS3	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59481	Franklinton Solar LLC	IPP	Franklinton Solar	NC	59708	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	8	59998	Frontier Windpower, LLC	IPP	Frontier Windpower	OK	60218	FC1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	8	59709	Granite Mountain Solar East LLC	IPP	Granite Mountain Solar East	UT	59946	GMSE	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59708	Granite Mountain Solar West, LLC	IPP	Granite Mountain Solar West	UT	59945	GMSW	51.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.3
2016	8	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Huntingburg Solar Park	IN	60251	SHUNT	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	8	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Washington Solar Park	IN	60252	SWASH	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2016	8	59705	Iron Springs Solar, LLC	IPP	Iron Springs Solar	UT	59941	ISS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59860	Jett Creek	IPP	Jett Creek Windfarm	OR	59490	JCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59668	Mount Olive Solar LLC	IPP	Mount Olive Solar	NC	59908	2MWPV	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2016	8	17470	PUD 1 of Snohomish County	Electric Utility	MESA 2	WA	60021	MESA2	2.4	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.4
2016	8	59863	Prospector	IPP	Prospector Windfarm	OR	59493	PW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	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	57313	SolarCity Corporation	IPP	BJ's Wholesale Club, Inc- Uxbridge	MA	60116	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2016	8	57313	SolarCity Corporation	IPP	Onondaga County - Oak Orchard WWTP	NY	60098	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	8	57313	SolarCity Corporation	IPP	US-TOPCO (Soccer Center)	CA	60086	PV1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2016	8	56694	Thermo No 1 BE 01 LLC	IPP	Thermo Solar PV-01	UT	59883	SOLAR	2.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.9
2016	8	59864	Willow Spring	IPP	Willow Spring Windfarm	OR	59494	WSW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	9	59616	63SU Bme, LLC	IPP	Springbok Solar Farm 2	CA	59840	SB2	155.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	155.0
2016	9	59520	BWC Origination 5, LLC	IPP	BlueWave Capital-Mattapoisett (SREC II)	MA	59753	1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2016	9	59843	Blythe Solar II, LLC	IPP	Blythe Solar II, LLC	CA	60092	BLCK6	32.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	32.0
2016	9	59006	Calypso Farm LLC	IPP	Calypso Farm	NC	59212	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	58871	Citizens Enterprises Corporation	IPP	Hunt Road Solar	MA	59927	PV1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2016	9	11268	City of Lowell - (MI)	Electric Utility	Chadburn	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	3.6
2016	9	56769	Consolidated Edison Development Inc.	IPP	CED Ducor 4	CA	60081	DUACA	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	9	4254	Consumers Energy Co	Electric Utility	Western Michigan Solar Gardens	MI	60117	1	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	9	58970	Ecoplexus, Inc	IPP	Turkey Creek PV1	NC	60000	TRKCK	13.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	13.5
2016	9	58970	Ecoplexus, Inc	IPP	Vaughn Creek PV1	NC	60001	VNCRK	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	6201	Farmer's Irrigation District	IPP	Copper Dam Plant	OR	10323	TURGO	1.0	Conventional Hydroelectric	WAT	HY	(OT) Other	2.6
2016	9	59745	First Solar Asset Management	IPP	Moapa Southern Paiute	NV	57859	1	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2016	9	59745	First Solar Asset Management	IPP	Stateline Solar	CA	58646	STL	299.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	299.9
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 1, LLC	CA	59870	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 2, LLC	CA	59885	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm LLC	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.5
2016	9	58909	Fremont Farm LLC	IPP	Fremont Farm	NC	59103	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	25438	Friant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	6.9
2016	9	59002	Garland Farm LLC	IPP	Garland Farm	NC	59209	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59806	Grand View PV Solar Two, LLC	IPP	Grand View Solar Two	ID	60068	GVS2	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2016	9	59806	Grand View PV Solar Two, LLC	IPP	Grand View Solar Two	ID	60068	GVS5	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	9	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	BESS	28.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	9	9324	Indiana Michigan Power Co	Electric Utility	OlivePV	IN	59854	OLPV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	59680	Lillington Solar LLC	IPP	Lillington Solar	NC	59921	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	58673	Longhorn Holdings, LLC	IPP	Longhorn Holdings	NC	58781	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59669	Louisburg Solar LLC	IPP	Louisburg Solar	NC	59895	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 4	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	2.9
2016	9	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 5	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	2.2
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	107.0
2016	9	59682	Pollocksville Solar LLC	IPP	Pollocksville Solar	NC	59917	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	58968	RE Mustang LLC	IPP	RE Mustang LLC	CA	59150	PV1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	9	59741	RE Roserock	IPP	RE Roserock	TX	59994	ROSEK	157.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	160.0
2016	9	59700	RE Tranquillity LLC	IPP	RE Tranquillity	CA	59939	TQ	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	205.3
2016	9	59662	Riverside Fuel Cell, LLC	Commercial	Riverside RWQCP Fuel Cell	CA	59877	MB20	1.4	Other Waste Biomass	OBG	FC	(U) Under construction, less than or equal to 50 percent complete	1.4
2016	9	59681	Smithfield Solar LLC	IPP	Smithfield Solar LLC	NC	59920	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	57313	SolarCity Corporation	IPP	Connecticut Municipal Electric Energy Cooperative - Bozrah	CT	60225	PV1	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2016	9	57313	SolarCity Corporation	IPP	Connecticut Municipal Electric Energy Cooperative-Norwich (Rogers Rd)	CT	60228	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2016	9	58704	Sonne Two LLC	IPP	Sonne Two	NC	58829	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59605	South Louisburg Solar LLC	IPP	South Louisburg Solar	NC	59825	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	60045	Stainback Solar Farm, LLC	IPP	Stainback Solar Farm	NC	60257	INV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59138	SunPower Corporation, Systems	IPP	Rio Bravo Solar 1 LLC	CA	59249	PV1	19.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	9	59138	SunPower Corporation, Systems	IPP	Wildwood Solar II	CA	59253	PV1	14.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2016	9	24211	Tucson Electric Power Co	Electric Utility	Fort Huachuca Solar PV Project	AZ	58972	FHUA2	4.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.1
2016	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC	(OT) Other	1.6
2016	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC	(OT) Other	1.6
2016	9	59840	Wallace Solar 2 LLC	IPP	Wallace Solar 2	NC	60090	2MWPV	1.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.9
2016	9	59731	Windham Solar LLC	IPP	Lebanon Solar 1	CT	59991	LEB1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	9	59731	Windham Solar LLC	IPP	Lebanon Solar 2	CT	59992	LEB2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	10	59273	62SK Bme, LLC	IPP	Springbok Solar Farm 1	CA	59532	SB1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2016	10	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	10	58680	Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58792	PV1	19.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	19.4
2016	10	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	04	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2016	10	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	05	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	11	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	12	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	13	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	14	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	15	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	16	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	17	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	18	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	19	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	20	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	21	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	22	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	10	57421	BayWa r.e Wind LLC	IPP	Chopin Wind LLC	OR	59076	WT1	10.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	10.0
2016	10	58695	Coronal Development Services	IPP	Freemont Solar Center LLC	NC	59912	FREE	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	10	58468	Dominion Reable Energy	IPP	Eastern Shore Solar, LLC	VA	60127	PV1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	10	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	4TG	62.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	10	59257	Giffen Solar Park, LLC	IPP	Giffen Solar Park	CA	59522	FRGSP	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Ellettsville Solar RES	IN	59985	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Henryville Solar RES	IN	59986	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Johnson Co. Solar RES	IN	59990	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	10	9267	Hoosier Energy R E C, Inc	Electric Utility	New Haven Solar RES	IN	59983	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.1
2016	10	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2016	10	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Anderson Solar Park	IN	60253	SANDE	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.6
2016	10	4361	Ingredion Inc - Stockton	Industrial	Ingredion Stockton	CA	52115	GEN2	6.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	7.2
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	1	129.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	129.5
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	2	109.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.2
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	3	61.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	61.1
2016	10	59022	Leonardo Wind 1 LLC	IPP	Leonardo Wind 1 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59026	Michelangelo Wind 1 LLC	IPP	Michelangelo Wind 1 LLC	IA	59231	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	58887	Michelangelo Wind 3 LLC	IPP	Michelangelo Wind 3 LLC	IA	59053	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59027	Michelangelo Wind 4 LLC	IPP	Michelangelo Wind 4 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	60035	Michigan Wind 3, LLC	IPP	Michigan Wind 3	MI	60246	1	152.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	152.8
2016	10	59634	North Star Solar PV LLC	IPP	North Star Solar Project	MN	59852	NSSP1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	10	59024	Optimum Wind 4 LLC	IPP	Optimum Wind 4 LLC	IA	59226	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59017	Optimum Wind 5 LLC	IPP	Optimum Wind 5 LLC	IA	59223	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59018	Optimum Wind 6 LLC	IPP	Optimum Wind 6 LLC	IA	59224	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59019	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	58838	Parney, LLC	IPP	Henrietta Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	102.0
2016	10	17650	Southern Power Co	IPP	Butler Solar Project 103	GA	59896	1	103.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	103.0
2016	10	17650	Southern Power Co	IPP	Optimum Wind 3 LLC	IA	59227	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	58661	Sustainable Power Group, LLC	IPP	Antelope DSR 2	CA	60187	DSR2	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	10	58661	Sustainable Power Group, LLC	IPP	Western Antelope Dry Ranch	CA	58627	WADR	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2016	10	59826	Syncarpha Bondsville, LLC	IPP	Palmer Landfill	MA	60076	SYNPL	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2016	10	59021	Venus Wind 3 LLC	IPP	Venus Wind 3 LLC	IA	59230	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED1	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2016	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED2	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2016	11	60019	96WI BME, LLC	IPP	Midway Solar Farm II	CA	60237	MSF2	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	11	55918	Acciona Wind Energy USA LLC	IPP	San Roman Wind I, LLC	TX	59712	SRWI	95.3	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	95.3
2016	11	213	Alaska Electric Light&Power Co	Electric Utility	Industrial Plant	AK	59793	15	25.0	Petroleum Liquids	DFO	GT	(U) Under construction, less than or equal to 50 percent complete	25.0
2016	11	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3

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	11	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	5G3	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	11	60044	Bluestem Wind Energy, LLC	IPP	Bluestem	OK	60256	1	198.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	198.0
2016	11	59843	Blythe Solar II, LLC	IPP	Blythe Solar II, LLC	CA	60092	BLCK7	25.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	25.9
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	10	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	11	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	12	40.9	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	43.2
2016	11	59007	Clipperton Holdings LLC	IPP	Clipperton Holdings	NC	59213	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	59979	Cotton Plains Wind I, LLC	IPP	Cotton Plains Wind Farm	TX	60210	CPWF	50.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.4
2016	11	57406	Deepwater Wind Block Island LLC	IPP	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	11	6452	Florida Power & Light Co	Electric Utility	Babcock Solar Energy Center	FL	59993	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2016	11	6452	Florida Power & Light Co	Electric Utility	Citrus Solar Energy Center	FL	60061	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2016	11	59941	Innovative Solar 43, LLC	IPP	Innovative Solar 43, LLC	NC	60149	FLS1	50.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.8
2016	11	59802	Live Oak Solar, LLC	IPP	Live Oak Solar, LLC	GA	60063	LVEOK	51.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.0
2016	11	58606	Maalua Fit One LLC	IPP	Maalua FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.5
2016	11	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton Solar	WI	60203	1	3.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.8
2016	11	59790	River Bend Solar, LLC	IPP	River Bend Solar, LLC	AL	60058	RVRBN	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	11	59839	Sunflower Wind Project	IPP	Sunflower Wind Project	ND	60088	SNFLR	104.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	104.0
2016	11	58658	Sunlight Partners	IPP	Akron Solar	NC	60139	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Anna Solar	NC	60176	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Blue Bird Solar	NC	60177	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2016	11	58658	Sunlight Partners	IPP	Bonnie Solar	NC	60175	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Brooke Solar	NC	60140	PV1	4.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.5
2016	11	58658	Sunlight Partners	IPP	Carter Solar	NC	60167	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Cash Solar	NC	60178	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Christina Solar	NC	60172	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2016	11	58658	Sunlight Partners	IPP	Daystar Solar	NC	60179	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Grove Solar	NC	60181	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Hawk Solar	NC	60163	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Iga Solar	NC	60170	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Iria Solar	NC	60141	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	June Solar	NC	60158	PV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	11	58658	Sunlight Partners	IPP	Roman Solar	NC	60159	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Sadie Solar	NC	60168	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Signature Solar	NC	60155	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	11	58658	Sunlight Partners	IPP	Tate Solar	NC	60160	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	58661	Sustainable Power Group, LLC	IPP	Antelope DSR 1	CA	60186	DSR1	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2016	11	58661	Sustainable Power Group, LLC	IPP	Pioneer Wind Park, LLC	WY	60259	PWP1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	11	58661	Sustainable Power Group, LLC	IPP	Solverde 1	CA	60185	SOLV1	85.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	85.0
2016	11	58661	Sustainable Power Group, LLC	IPP	Western Antelope Blue Sky B	CA	59961	WABSB	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	1	19.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	19.0
2016	11	59011	Tiburon Holdings	IPP	Tiburon Holdings	NC	59217	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	11	59831	White Oak Solar, LLC	IPP	White Oak Solar, LLC	GA	60082	WHTOK	76.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	76.5
2016	12	58603	Aloha Solar Energy Fund I LLC	IPP	Aloha Solar Energy Fund 1 PK1	HI	58659	PK-1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	59482	Ameresco Tempe	IPP	St. Paul Intl Airport Red & Blue Parking	MN	59709	PV2	0.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.9
2016	12	59758	American Falls Solar II, LLC	IPP	American Falls Solar II	ID	60012	IPAF2	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	59757	American Falls Solar LLC	IPP	American Falls Solar	ID	60011	IPAF	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	59725	Ariel Solar, LLC	IPP	Bloomsbury Solar, LLC	NC	59970	BLOOM	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	59359	BHE Renewables, LLC	IPP	Grande Prairie Wind Farm	NE	58695	1	400.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	400.0
2016	12	59474	BQ Energy LLC	IPP	Kings Park Solar I	NY	59880	KIPS1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	12	59474	BQ Energy LLC	IPP	Kings Park Solar II	NY	59881	KIPS2	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	12	59594	Black Oak Wind Farm LLC	IPP	Black Oak Wind Farm	NY	59813	NA	16.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	16.1
2016	12	58625	Black Oak Wind, LLC	IPP	Black Oak Wind Farm	MN	58692	1	78.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	78.0
2016	12	59991	Caprock Solar 1, LLC	IPP	Caprock Solar 1 LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	59193	CHA1	236.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	236.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP1	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP2	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP3	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP4	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	Blackwell Solar Park	CA	59524	FRBSP	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	CED Averal	CA	60077	AVCA	15.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.8
2016	12	56769	Consolidated Edison Development Inc.	IPP	CED Ducor 1	CA	60078	DU1CA	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	CED Ducor 2	CA	60079	DU2CA	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	CED Ducor 3	CA	60080	DU3CA	15.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	Cashton Greens Wind Farm LLC	WI	57340	1	240.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	240.0
2016	12	56769	Consolidated Edison Development Inc.	IPP	Oro Loma	CA	59915	ORCA	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	58695	Coronal Development Services	IPP	Fusion Solar Center LLC	CT	58876	PV	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center I	FL	59689	GCSC1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center II	FL	59690	GCSC2	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center III	FL	59691	GCSC3	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	12	58695	Coronal Development Services	IPP	Holdrege Solar Center	NE	59713	HDSC	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2016	12	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
2016	12	59464	Current Energy Group	IPP	Hickory	NC	59829	5515	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	59997	Customized Energy Solutions	IPP	NA 1(Hagerstown)	MD	60213	MPSHG	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2016	12	5109	DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN3	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STA	40.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STB	40.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	57170	EDP Renewable Asset Holdings, Inc.	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	79.9
2016	12	58970	Ecoplexus, Inc	IPP	American Legion PV 1	NC	59516	AMLEG	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58970	Ecoplexus, Inc	IPP	Baker PV 1	NC	59517	BAKE1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Benthall Bridge PV 1	NC	59515	BENT1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Boykin PV1	NC	59996	BOYK1	17.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	17.0
2016	12	58970	Ecoplexus, Inc	IPP	E Nash PV1	NC	60002	NASH1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58970	Ecoplexus, Inc	IPP	Flat Meeks PV 1	NC	59514	FLAT1	3.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
2016	12	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
2016	12	58970	Ecoplexus, Inc	IPP	Manning PV 1	NC	59520	MANN	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Round Hill PV1	NC	59998	RNDHL	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Willoughby PV1	NC	60003	WILL1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58720	Enbridge	IPP	New Creek Wind	WV	60132	NCG01	103.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	103.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Drift Sand Wind Project LLC	OK	59065	WT1	109.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.8
2016	12	59380	Enel Green Power NA, Inc.	IPP	Lindahl Wind Project, LLC	ND	59684	LWP01	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Mustang Run Wind Project LLC	OK	59000	MRWP	136.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	136.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	South Fork Wind Farm	MN	58691	STFK1	13.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	13.0
2016	12	31719	FPL Energy Wyman LLC	IPP	William F. Wyman	ME	1507	BESS	16.2	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	16.7
2016	12	59745	First Solar Asset Management	IPP	CA Flats Solar 130, LLC	CA	60033	GEN01	130.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	130.0
2016	12	59745	First Solar Asset Management	IPP	Playa Solar 1, LLC	NV	59827	GEN01	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	59745	First Solar Asset Management	IPP	Playa Solar 2	NV	60261	GEN1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	56615	First Solar Project Development	IPP	North Rosamond Solar LLC	CA	59879	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar A LLC	CA	59878	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar B, LLC	CA	59969	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59155	First Wind O&M, LLC	IPP	Bingham Wind	ME	57531	1	186.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	186.0
2016	12	59155	First Wind O&M, LLC	IPP	Hancock Wind Plant	ME	58686	HANC1	51.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	51.0
2016	12	6452	Florida Power & Light Co	Electric Utility	Manatee Solar Energy Center	FL	60014	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2016	12	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	180.0
2016	12	7140	Georgia Power Co	Electric Utility	Fort Gordon Solar Facility	GA	59863	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Fort Stewart Solar Facility	GA	59865	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	King's Bay Solar Facility	GA	59864	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Marine Corps Logistics Base Solar Facility	GA	59876	1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	46.0

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	59633	Great Bay Solar I LLC	IPP	Great Bay Solar 1	MD	59851	GB501	57.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	12	56946	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57617	GEN1	250.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	250.0
2016	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2016	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	143.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	143.0
2016	12	9324	Indiana Michigan Power Co	Electric Utility	Watervliet PV	MI	59853	WVPV1	4.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.6
2016	12	59436	Innovative Solar 47, LLC	IPP	Innovative Solar 47	NC	59666	IS047	33.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.8
2016	12	55910	Lanai Sustainability Research LLC	IPP	Miliani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	58849	Mariah del Este LLC	IPP	Mariah North	TX	59005	MAR1	230.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	230.4
2016	12	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2016	12	59973	Marshall Solar Energy Project	IPP	Marshall Solar Energy Project	MN	59875	PV1	62.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	62.3
2016	12	59761	McLean Homestead, LLC	IPP	McLean Homestead	NC	60020	PV1	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2016	12	59469	Mountain Home Solar, LLC	IPP	Mountain Home Solar	ID	59695	MHPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59755	Murphy Flat Power, LLC	IPP	Murphy Flat Solar	ID	60009	IPMF	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	59099	New Dimension Energy Company, LLC	IPP	Westwind Trust	CA	54258	WTG5	15.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.6
2016	12	13781	Northern States Power Co - Minnesota	Electric Utility	Courtney Wind Farm	ND	60204	CWF01	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016	12	58477	O2energies, Inc.	IPP	Five Forks Solar	NC	59951	SFRK	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	59756	Orchard Ranch Solar, LLC	IPP	Orchard Ranch Solar	ID	60010	IPOR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59470	Pocatello Solar 1, LLC	IPP	Pocatello Solar	ID	59696	PAPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59010	Rhubarb One LLC	IPP	Rhubarb One SC	SC	59596	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59109	SUNE BEACON SITE 2, LLC	IPP	Beacon Solar Plant Site 2	CA	59309	BEAC2	48.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.0
2016	12	59110	SUNE BEACON SITE 5, LLC	IPP	Beacon Solar Plant Site 5	CA	59308	BEAC5	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	12	59779	Shoreham Solar Commons	IPP	Shoreham Solar Commons	NY	60045	GEN1	24.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	24.9
2016	12	59770	Shorthorn Holdings, LLC	IPP	Shorthorn Holdings	SC	60028	PV1	15.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.4
2016	12	17650	Southern Power Co	IPP	RE Garland	CA	60233	PV1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	12	17650	Southern Power Co	IPP	RE Garland	CA	60233	PV2	185.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	185.0
2016	12	17650	Southern Power Co	IPP	Taylor County Solar	GA	59897	1	148.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	148.0
2016	12	59318	Soy Solar LLC	IPP	Soy Solar	NC	59571	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	59138	SunPower Corporation, Systems	IPP	Aragonne Solar LLC	NM	59252	PV1	38.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	12	59138	SunPower Corporation, Systems	IPP	Rio Bravo Solar II LLC	CA	59250	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58658	Sunlight Partners	IPP	Cardinal Solar	NC	60174	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Clayton Solar	NC	60171	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Eagle Solar	NC	60161	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2016	12	58658	Sunlight Partners	IPP	Heedeh Solar	NC	60157	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2016	12	58658	Sunlight Partners	IPP	Higgins Solar	NC	60166	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Icarus Solar	NC	60169	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2016	12	58658	Sunlight Partners	IPP	Jordan Solar	NC	60164	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Kathleen Solar	NC	60180	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Longleaf Solar	NC	60173	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Robin Solar	NC	60165	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Shelter Solar	NC	60156	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58658	Sunlight Partners	IPP	Willork Solar	NC	60162	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58661	Sustainable Power Group, LLC	IPP	Central Antelope Dry Ranch C	CA	59963	CADRC	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	12	58661	Sustainable Power Group, LLC	IPP	North Lancaster Ranch	CA	59962	NLR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	60046	TPE Alta Luna, LLC	IPP	Alta Luna	NM	60258	ALPV1	28.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	28.1
2016	12	59317	Toprak LLC	IPP	Toprak	NC	59570	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58153	US Magnesium	Industrial	US Magnesium	UT	58191	GT4	24.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	30.0
2016	12	59896	Upco Power 1, LLC	IPP	Castle Gap Solar	TX	60123	CGAP	117.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	117.3
2016	12	57341	Veolia Energy	Electric CHP	Univ Minnesota CHP Plant	MN	59197	CTG-1	17.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	21.0
2016	12	59803	White Pine Solar, LLC	IPP	White Pine Solar, LLC	GA	60064	WHTPN	101.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	101.2
2016	12	59316	Whitetail Solar LLC	IPP	Whitetail Solar	SC	59569	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2016	12	59330	Wommack Farm, LLC	IPP	Wommack Farm	NC	59585	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2017	1	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	59308	Bearford Farm, LLC	IPP	Bearford Farm Solar Project	NC	59567	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN7	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2017	1	56146	Black Hills/Colorado Elec.Util	Electric Utility	Peak View Wind Farm	CO	60143	WTG	60.8	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	60.8
2017	1	59777	Buckthorn Westex, LLC	IPP	Buckthorn Solar 1	TX	60044	BKTH1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	10	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	8	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	9	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	60040	Hale Wind Energy	IPP	Hale Community Wind Farm	TX	59247	HALE1	478.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	478.0
2017	1	59306	Keen Farm, LLC	IPP	Keen Farm	NC	59565	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	58689	Milan Energy LLC	IPP	Milan	PA	58818	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	58689	Milan Energy LLC	IPP	Milan	PA	58818	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	58689	Milan Energy LLC	IPP	Milan	PA	58818	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2017	1	59323	Monroe Moore Farm, LLC	IPP	Monroe Moore Farm	NC	59578	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59338	Spring Valley Farm 2, LLC	IPP	Spring Valley Farm 2, LLC	NC	59593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	58661	Sustainable Power Group, LLC	IPP	Lancaster WAD B	CA	59739	LWADB	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	18454	Tampa Electric Co	Electric Utility	Polk	FL	7242	2CC	459.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	463.0
2017	1	59328	Tart Farm, LLC	IPP	Tart Farm	NC	59583	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	2	57369	Apple, Inc	Industrial	Apple Campus 2 PV	CA	59473	AC2PV	14.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	14.4
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG2	205.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	STGEN	316.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	316.0
2017	2	59999	Rocksprings Val Verde Wind, LLC	IPP	Rocksprings	TX	60217	RKSP	149.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	149.3
2017	2	59337	Sedberry Farm, LLC	IPP	Sedberry Farm	NC	59592	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	3	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	3	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	3	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	3	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	3	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5501	3.0	All Other	OTH	OT	(U) Under construction, less than or equal to 50 percent complete	3.0
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5502	1.3	All Other	OTH	OT	(U) Under construction, less than or equal to 50 percent complete	1.3
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5511	1.7	All Other	OTH	OT	(U) Under construction, less than or equal to 50 percent complete	1.7
2017	3	60042	Fluvanna Wind Energy LLC	IPP	Fluvanna	TX	59245	FLUV1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2017	3	59978	HXNAir Solar One LLC	IPP	HXNAir Solar One	NC	60209	HXNAI	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	3	59977	Hemlock Solar LLC	IPP	Hemlock Solar	NC	60207	HEMLK	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	56545	Pattern Operators LP	IPP	Broadview Energy JN, LLC	NM	60145	1	181.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	181.7
2017	3	56545	Pattern Operators LP	IPP	Broadview Energy KW, LLC	NM	60152	1	142.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	142.6
2017	3	59967	Phoenix Energy	Electric CHP	North Fork Community Power	CA	60192	NFCP1	2.0	Other Waste Biomass	OBG	IC	(T) Regulatory approvals received. Not under construction	2.0
2017	3	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2017	3	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH2	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2017	4	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	4	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	4	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	4	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	4	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2017	4	6035	Exelon Power	IPP	Colorado Bend II	TX	60122	CTB	313.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	360.9
2017	4	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	4	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	4	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	4	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	4	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	390.0
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3CT	324.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	365.5
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3ST	191.9	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	204.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN1	230.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	232.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN3	314.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	338.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT1	207.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT2	207.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	STG1	230.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	230.0
2017	4	59435	Innovative Solar 37, LLC	IPP	Innovative Solar 37	NC	59665	IS037	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CTG1	219.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CTG2	219.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	STG1	224.1	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	260.5
2017	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	131.8
2017	5	58597	Enivromission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT4	307.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT5	307.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	STG6	454.9	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	511.2
2017	5	59155	First Wind O&M, LLC	IPP	Millani South PV	HI	58281	1	14.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.7
2017	5	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN2	230.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	232.0
2017	5	59898	Kawailoa Solar, LLC	IPP	Kawailoa Solar	HI	60125	KAWS	49.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	49.0
2017	5	58849	Mariah del Este LLC	IPP	Mariah East	TX	59006	MARN	230.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	230.4
2017	5	59342	Maricopa West Solar PV 2, LLC	IPP	Maricopa West Solar 2	CA	59608	MWS2	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2017	5	12258	Medical Area Total Egy Plt Inc	Commercial	Medical Area Total Energy Plant	MA	10883	CT3	12.8	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	13.8
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT1		Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT2		Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	ST1		Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	493.0
2017	5	59336	Schell Solar Farm, LLC	IPP	Schell Solar Farm	NC	59591	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2017	5	59764	Waipio PV, LLC	IPP	Waipio Solar	HI	60024	WPO	45.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	45.9
2017	6	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	CT08	37.0	Natural Gas Fire Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	40.0
2017	6	58662	Blue Mountain Power Partners	IPP	Blue Mountain Wind Farm	UT	58764	BM1	80.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	80.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG5	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG6	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG2	414.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	414.0
2017	6	6175	City of Falls City - (NE)	Electric Utility	Falls City	NE	2237	9	9.3	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	9.3
2017	6	6035	Exelon Power	IPP	Colorado Bend II	TX	60122	CT7	313.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	360.9
2017	6	6035	Exelon Power	IPP	Colorado Bend II	TX	60122	STG9	461.4	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	508.5
2017	6	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor	MA	1626	5	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor	MA	1626	6	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	58959	Freeport LNG Development, L.P.	Industrial	Freeport LNG Pretreatment Facility	TX	59145	65GTG	77.5	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	97.0
2017	6	60002	Halyard Energy Wharton, LLC	IPP	Halyard Wharton Energy Center	TX	60221	TBN1	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	232.0
2017	6	60002	Halyard Energy Wharton, LLC	IPP	Halyard Wharton Energy Center	TX	60221	TBN2	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	232.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	1	1.9	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	2	1.9	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2017	6	59438	Innovative Solar 53, LLC	IPP	Innovative Solar 53	NC	59668	IS053	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2017	6	59439	Innovative Solar 54, LLC	IPP	Innovative Solar 54	NC	59669	IS054	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2017	6	59448	Innovative Solar 67, LLC	IPP	Innovative Solar 67	NC	59678	IS067	33.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.3
2017	6	59449	Innovative Solar 68, LLC	IPP	Innovative Solar 68	NC	59679	IS068	48.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.3
2017	6	59101	NTE Texas, LLC	IPP	Pecan Creek Energy Center	TX	59298	PCEC1	133.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	171.8
2017	6	59101	NTE Texas, LLC	IPP	Pecan Creek Energy Center	TX	59298	PCEC2	133.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	171.8
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG11	256.5	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG12	256.5	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	STG10	334.6	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	404.0
2017	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2017	6	59771	Pecan Solar LLC	IPP	Pecan Solar	NC	60030	PECAN	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2017	6	59696	Soluga Farms IV	IPP	Soluga Farms IV	NC	59934	SFIV	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2017	6	58960	Timberline Energy LLC	IPP	Front Range Project	CO	59143	FR-2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2017	7	59365	Capital Power Corporation	IPP	CP Bloom Wind LLC	KS	59888	GEN	180.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	180.0
2017	7	59362	Jericho Rise Wind Farm LLC	IPP	Jericho Rise Wind Farm LLC	NY	59629	GEN1	77.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	77.7
2017	7	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	7	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	7	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	7	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	8	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	120.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	120.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58588	National Solar Power Partners LLC	IPP	Hardee County Solar Farms 1 LLC	FL	58637	HCSF1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2017	9	59137	Palmer Renewable Energy	IPP	Palmer Renewable Energy	MA	59336	PRE	42.0	Wood/Wood Waste Biomass	WDS	ST	(T) Regulatory approvals received. Not under construction	42.0
2017	9	19876	Virginia Electric & Power Co	Electric Utility	VA Offshore Wind Project (VOWTAP)	VA	59693	OSW1	12.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	12.0
2017	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Decatur Co. Solar RES (IN)	IN	59988	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2017	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Jackson Co. Solar RES	IN	59989	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2017	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Spring Mill Solar RES	IN	59987	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	58815	KDC Solar RTC LLC	IPP	Delilah Road Landfill	NJ	58951	DRLS	9.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	9.0
2017	10	58850	Mariah del Sur LLC	IPP	Mariah South	TX	59007	MAR S	230.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	230.4
2017	10	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	10	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	10	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	10	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	10	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	10	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT1	9.7	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	9.7
2017	10	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT2	9.7	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	9.7
2017	10	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT3	9.7	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	9.7
2017	10	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT4	9.7	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	9.7
2017	10	59056	Tri Global Energy, LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	288.0
2017	10	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2017	10	59056	Tri Global Energy, LLC	IPP	Fiber Winds	TX	59244	FIBE1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80.0
2017	10	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GOOD1	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2017	10	59056	Tri Global Energy, LLC	IPP	Tex-Mex Renewable Energy Project, LLC	TX	60269	WT1	80.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	80.0
2017	10	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	104.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	104.5
2017	11	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT3	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	22.8
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Mahoney Lake Hydroelectric	AK	59027	GEN 1	9.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	9.6
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Reynolds Creek	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	5.0
2017	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind One LLC	IL	58925	SAN1	30.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	30.0
2017	12	58794	American Wind Energy Management Corp.	IPP	Sugar Creek Wind One LLC	IL	58924	SUG1	175.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	175.0
2017	12	59714	Antrim Wind Energy LLC	IPP	Antrim Wind	NH	59953	AWND1	28.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	28.8
2017	12	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT4	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	127.0
2017	12	59359	BHE Renewables, LLC	IPP	Walnut Ridge Wind Farm	IL	58694	1	210.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	210.0
2017	12	59365	Capital Power Corporation	IPP	Black Fork Wind Energy Project	OH	59907	GEN	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	59365	Capital Power Corporation	IPP	Cardinal Point LLC	IL	59902	GEN	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2017	12	59365	Capital Power Corporation	IPP	Hopeful Solar LLC	GA	59892	GEN	20.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.7

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2017	12	59365	Capital Power Corporation	IPP	New Frontier Wind	ND	59903	GEN	99.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	99.0
2017	12	59365	Capital Power Corporation	IPP	Poplars Ranch Solar LLC	OR	59890	GEN	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	SGT1	288.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	361.3
2017	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm III LLC	TX	59067	GVIII	188.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	188.0
2017	12	56215	E ON Climate Renewables N America LLC	IPP	Magic Valley Wind Farm II	TX	59066	MVII	230.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	230.0
2017	12	56215	E ON Climate Renewables N America LLC	IPP	Twin Forks Wind Farm LLC	IL	59061	WT1	351.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	351.0
2017	12	56215	E ON Climate Renewables N America LLC	IPP	Vici Wind Farm	TX	59062	VICI	104.4	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	104.4
2017	12	58672	Everpower Wind Holdings Inc	IPP	Buckeye Wind Farm	OH	58776	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Coyote Crest Wind Farm	WA	58778	1	126.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	126.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Horse Thief Wind Project, LLC	MT	59758	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Mason Dixon Wind Farm	PA	60212	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Mud Springs Wind Project, LLC	MT	59756	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Pryor Caves Wind Project, LLC	MT	59757	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Scioto Ridge Wind Farm	OH	58780	1	300.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	300.0
2017	12	58672	Everpower Wind Holdings Inc	IPP	Terrapin Hills Wind Farm	MD	60211	1	50.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	50.0
2017	12	56615	First Solar Project Development	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2017	12	59155	First Wind O&M, LLC	IPP	Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	48.0
2017	12	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	12	58901	Hydro Green Energy	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2017	12	15399	Iberdrola Renewables Inc	IPP	Desert Wind	NC	59968	1	208.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	208.0
2017	12	59678	KDC Solar PR1, LLC	IPP	KDC Solar PR1, LLC	NJ	59910	SF	22.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.0
2017	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-A	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2017	12	11204	Los Alamos County	Electric Utility	Los Alamos PV Site	NM	58256	4	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2017	12	59343	Maricopa East Solar PV, LLC	IPP	Maricopa East Solar	CA	59609	MES	18.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.0
2017	12	56941	Meadow Lake Wind Farm V LLC	IPP	Meadow Lake Wind Farm V LLC	IN	57628	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2017	12	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	25.0
2017	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	ME	57612	GEN1	250.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2017	12	56949	Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	49.0
2017	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN 1	98.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	98.0
2017	12	59701	RE Tranquility 8 LLC	IPP	RE Tranquility 8	CA	59940	TQ8	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	205.3
2017	12	58843	Searchlight Wind Energy LLC	IPP	Searchlight Wind	NV	58988	1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	57331	Soitec Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2017	12	59080	Soleil Energy Solutions, LLC	IPP	Westside Solar Farm	NC	59258	WEST1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2017	12	58860	Southbridge Recycling and Disposal Park, Inc	IPP	Southbridge Landfill Gas-to-Energy	MA	59011	CAT2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2017	12	59056	Tri Global Energy, LLC	IPP	Bearkat	TX	59972	BRKAT	360.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	360.0
2017	12	59056	Tri Global Energy, LLC	IPP	Blue Cloud Renewable Energy Project, LLC	TX	60270	WT1	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2017	12	58796	Trishe Wind Colorado	IPP	Trishe Wind Colorado	CO	58928	1	30.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	30.0
2017	12	56633	Trishe Wind Minnesota	IPP	Trishe Wind Minnesota	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2017	12	58761	White Camp Solar LLC	IPP	White Camp Solar	TX	58888	WCAMP	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2018	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2018	1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.5
2018	1	56204	Diamond Generating Corporation - Operations, LLC	IPP	CPV Valley Energy Center	NY	56940	CTG1	198.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	235.0
2018	1	56204	Diamond Generating Corporation - Operations, LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	198.2	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	235.0
2018	1	56204	Diamond Generating Corporation - Operations, LLC	IPP	CPV Valley Energy Center	NY	56940	STG	308.7	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	300.0
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	460.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	475.0
2018	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC2	248.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	248.8
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT2	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT3	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT4	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT5	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT6	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT7	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H3	2.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.6
2018	1	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefinery	FL	58997	G1001	12.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
2018	2	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT5	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	STG	289.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	289.0
2018	2	60040	Hale Wind Energy	IPP	Hale Community Wind Farm	TX	59247	HALE2	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT11	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT12	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	STG11	436.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	436.0
2018	3	59272	41MB 8me, LLC	IPP	Borden Solar Farm	CA	59531	BRDN	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2018	3	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT6	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-1	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-2	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	STG-1	300.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	311.0
2018	3	5310	Doswell Ltd Partnership	IPP	Doswell Energy Center	VA	52019	GEN8	150.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	187.0
2018	3	5310	Doswell Ltd Partnership	IPP	Doswell Energy Center	VA	52019	GEN9	150.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	187.0
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	3	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	6-1	215.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	238.0
2018	3	59260	Wright Solar Park, LLC	IPP	Wright Solar Park	CA	59525	FRWSP	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2018	4	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT7	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	4	59683	Rockwood Energy Center LLC	IPP	Rockwood Energy Center LLC	TX	59918	ROCKW	1,068.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	1,068.0
2018	4	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	CTG	11.6	Other Waste Biomass	OBG	CT	(U) Under construction, less than or equal to 50 percent complete	12.0
2018	4	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	STG	7.4	Other Waste Biomass	OBG	CA	(U) Under construction, less than or equal to 50 percent complete	9.0
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	CTG1	235.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	285.0
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	CTG2	235.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	285.0
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	STG	280.5	All Other	WH	CA	(T) Regulatory approvals received. Not under construction	280.5
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	1GTA	251.7	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	310.3
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	1GTB	251.7	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	310.3
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	CC1ST	316.7	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	364.7
2018	5	59283	Gateway Energy Center, LLC	IPP	Gateway Energy Center, LLC	NJ	59538	CT001	442.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	440.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN1	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN2	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG1	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG2	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	6	59687	AltaGas Sonoran Energy Inc	IPP	Sonoran Energy Project	CA	59925	GEN1	510.7	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	553.0
2018	6	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	210.0
2018	6	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	4	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	5	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	GT1	232.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	ST1	108.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	108.0
2018	6	60050	Halyard Energy Henderson, LLC	IPP	Halyard Henderson Energy Center	TX	60268	TBN1	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	232.0
2018	6	60050	Halyard Energy Henderson, LLC	IPP	Halyard Henderson Energy Center	TX	60268	TBN2	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	232.0
2018	6	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	SCTG	176.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.9
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCA1	224.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	246.5

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT1	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT2	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	310.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC2	284.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	284.8
2018	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-2	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-3	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-1	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2018	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	701	321.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	430.0
2018	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	702	219.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	287.0
2018	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT2	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT3	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT4	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	CT1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	238.0
2018	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	CT2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	238.0
2018	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	ST1	245.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	260.0
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG6	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG7	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	7	56615	First Solar Project Development	IPP	CA Flats Solar 150, LLC	CA	60034	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2018	7	54863	U S Power Generating Company LLC	IPP	Gowanus Gas Turbines Generating	NY	2494	SS	90.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	93.0
2018	8	56615	First Solar Project Development	IPP	Snow Mountain Solar, LLC	NV	59935	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2018	10	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	2GTA	251.7	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	310.3
2018	10	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	2GTB	251.7	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	310.3
2018	10	6455	Duke Energy Florida, Inc	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	CC2ST	316.7	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	364.7
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 6	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 9	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC10	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC11	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind Two LLC	IL	58926	SAN2	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2018	12	56771	Black Hills Service Company LLC	Electric Utility	Cheyenne Prairie Generating Station	WY	57703	02B	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.0
2018	12	56771	Black Hills Service Company LLC	Electric Utility	Cheyenne Prairie Generating Station	WY	57703	03A	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.0
2018	12	59992	Caprock Solar 2 LLC	IPP	Caprock Solar 2 LLC	NM	59846	PV1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2018	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2018	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	2	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2018	12	59432	Clear Creek Power	IPP	Highland Park Project	CO	59659	HPWT	198.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	198.0
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	227.7
2018	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm	TX	59063	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2018	12	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2018	12	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2018	12	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2018	12	58672	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY	58777	1	125.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	125.0
2018	12	59745	First Solar Asset Management	IPP	Cuyama Solar, LLC	CA	60043	GEN01	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2018	12	58146	Goldwind Geoelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPP	131.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	131.1
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-1	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-2	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-3	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-4	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-5	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-6	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-1	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-2	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-B	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2018	12	58763	LotusWorks-Summit Ridge I, LLC	IPP	Summit Ridge I Wind Farm	OR	58894	SRWF	192.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	192.0
2018	12	55983	Luminant Generation Company LLC	IPP	Horseshoe Bend	TX	59806	SOLAR	140.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	140.0
2018	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A	3.0	Other Gases	OG	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	28.0
2018	12	59056	Tri Global Energy, LLC	IPP	Canyon Wind Project, LLC	TX	60271	WT1	300.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
2018	12	59056	Tri Global Energy, LLC	IPP	Cone Renewable Energy Project, LLC	TX	60272	WT1	300.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
2018	12	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN5	17.0	Conventional Steam Coal	SUB	ST	(U) Under construction, less than or equal to 50 percent complete	17.0
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT01	324.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT02	324.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT03	324.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	ST01	611.8	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	663.9
2019	1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.0
2019	3	59056	Tri Global Energy, LLC	IPP	Crosby County Wind Farm, LLC	TX	60273	WT1	160.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	160.0
2019	4	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0002	40.2	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	42.3
2019	5	2172	Brazos Electric Power Coop Inc	Electric Utility	Hill County Generation Facility	TX	60194	CT1	205.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2019	5	2172	Brazos Electric Power Coop Inc	Electric Utility	Hill County Generation Facility	TX	60194	CT2	205.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2019	5	2172	Brazos Electric Power Coop Inc	Electric Utility	Hill County Generation Facility	TX	60194	CT3	205.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2019	5	2172	Brazos Electric Power Coop Inc	Electric Utility	Hill County Generation Facility	TX	60194	CT4	205.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2019	5	59111	Crawford Renewable Energy, LLC	IPP	Crawford Renewable Energy - Meadville Power Station	PA	59307	MPS	93.5	All Other	TDF	ST	(U) Under construction, less than or equal to 50 percent complete	99.5
2019	5	59677	Middlesex Energy Center LLC	IPP	Middlesex Energy Center LLC	NJ	59909	CT001	560.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	560.0
2019	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1	41.0	Natural Gas Fired Combustion Turbine	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2019	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	41.0	Natural Gas Fired Combustion Turbine	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2019	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	41.0	Natural Gas Fired Combustion Turbine	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2019	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1	75.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2019	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	75.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2019	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	1	149.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2019	6	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2019	6	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2019	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	48.0
2019	6	56606	Calpine New Jersey Generation LLC	IPP	Deepwater	NJ	2384	CT1	235.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	242.0
2019	6	56606	Calpine New Jersey Generation LLC	IPP	Deepwater	NJ	2384	ST1	198.5	Natural Gas Steam Turbine	NG	ST	(L) Regulatory approvals pending. Not under construction	214.0
2019	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2019	6	21461	NRG Canal LLC	IPP	Canal	MA	1599	UN2R	330.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	330.0
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2019	6	54866	Robinson Power Company LLC	IPP	Robinson Power Company LLC	PA	56453	CTG1	950.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	1,025.0
2019	6	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	2	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2019	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2019	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2019	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	255.0
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG01	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG02	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG03	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG04	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG05	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG06	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2019	10	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	345.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	10	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	345.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	10	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	345.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	12	59365	Capital Power Corporation	IPP	Garrison Butte Wind, LLC	ND	60066	GEN	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	187.0
2019	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm II	TX	59064	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2019	12	56615	First Solar Project Development	IPP	Desert Quartzite	CA	59871	GEN01	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2019	12	56615	First Solar Project Development	IPP	Sunshine Valley Solar	NV	59826	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3ST1	38.0	Natural Gas Steam Turbine	NG	ST	(L) Regulatory approvals pending. Not under construction	40.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TGB1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	102.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TGB2	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	102.0
2019	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	432.0
2019	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Conventional Steam Coal	BIT	ST	(P) Planned for installation, but regulatory approvals not initiated	350.0
2019	12	14354	PacifiCorp	Electric Utility	Blundell	UT	299	3	35.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	30.0
2019	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A	687.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	687.0
2019	12	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1A	274.0	Other Gases	OG	CT	(T) Regulatory approvals received. Not under construction	274.0
2019	12	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1B	126.0	Other Gases	OG	CA	(T) Regulatory approvals received. Not under construction	126.0
2019	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	44.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	44.0
2020	1	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG3	225.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.0
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG4	225.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.0
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	PV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	STG2	250.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	250.0
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5	42.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	4	282.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	321.0
2020	6	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC	CA	60094	BLCK1	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	6	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLCK1	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	6	59964	ESC Brooke County Power I	IPP	ESC Brooke County Power I	WV	60202	BCCA1	261.2	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	280.5
2020	6	59964	ESC Brooke County Power I	IPP	ESC Brooke County Power I	WV	60202	BCCT1	252.3	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	280.5
2020	6	59964	ESC Brooke County Power I	IPP	ESC Brooke County Power I	WV	60202	BCCT2	252.3	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	280.5
2020	6	59966	ESC Harrison County Power	IPP	ESC Harrison County Power	WV	60206	HCCA1	205.4	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	207.4
2020	6	59966	ESC Harrison County Power	IPP	ESC Harrison County Power	WV	60206	HCCT1	319.1	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	371.5
2020	6	59965	ESC Tioga County Power	IPP	ESC Tioga County Power	PA	60205	TCCA1	302.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	331.5
2020	6	59965	ESC Tioga County Power	IPP	ESC Tioga County Power	PA	60205	TCCT1	253.1	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	280.5
2020	6	59965	ESC Tioga County Power	IPP	ESC Tioga County Power	PA	60205	TCCT2	253.1	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	280.5
2020	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	6	59588	Lake Creek 3 Power Company LLC	IPP	Lake Creek	TX	3502	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2020	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT5	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2020	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT6	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2020	6	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	6	56883	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2020	6	56883	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT2	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2020	7	58758	CPV Smyth Generation Company LLC	IPP	CPV Smyth Generation Company LLC	VA	58878	1	989.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	1,017.0
2020	8	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC	CA	60094	BLCK2	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	8	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLCK2	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	56.9
2020	10	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC	CA	60094	BLCK3	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	10	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLCK3	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4	0.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	0.8
2020	12	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC	CA	60094	BLCK4	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	12	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLCK4	31.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.2
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
2020	12	59365	Capital Power Corporation	IPP	Nolin Hills Wind, LLC	OR	60070	GEN	350.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	350.0
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	209.5
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.8
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-B	813.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	813.0
2020	12	19316	Two Elk Generation Partners LP	IPP	Two Elk Generating Station	WY	55360	GEN1	275.0	Conventional Steam Coal	WC	ST	(U) Under construction, less than or equal to 50 percent complete	320.0
2021	1	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
2021	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST	(T) Regulatory approvals received. Not under construction	850.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	116.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS3	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	228.0
2021	5	18454	Tampa Electric Co NA 2	Electric Utility	Tampa Electric Co NA 2	FL	56352	2	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	116.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS4	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	228.0
2022	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT1	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2022	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT2	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2022	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	ST1	344.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
2022	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS5	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	228.0
2023	12	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2023	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-B	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0

NOTES:

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

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

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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2016	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5	0.5	Petroleum Liquids	DFO	IC
2016	3	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2016	3	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2016	3	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2016	3	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
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	13168	NRG Huntley Operations Inc	IPP	C R Huntley Generating Station	NY	2549	67	190.0	Conventional Steam Coal	SUB	ST
2016	3	13168	NRG Huntley Operations Inc	IPP	C R Huntley Generating Station	NY	2549	S68	190.0	Conventional Steam Coal	SUB	ST
2016	3	56690	Town of Portsmouth	IPP	Portsmouth Wind Turbine	RI	57350	WTG-1	1.5	Onshore Wind Turbine	WND	WT
2016	3	20847	Wisconsin Electric Power Co	Electric Utility	Milwaukee County	WI	7549	1	7.0	Conventional Steam Coal	SUB	ST
2016	4	4045	City of Columbia - (MO)	Electric Utility	Columbia (MO)	MO	2123	5	16.5	Conventional Steam Coal	BIT	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	4	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	5	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	7	152.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	8	151.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	1	102.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	2	95.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	3	122.0	Conventional Steam Coal	SUB	ST
2016	4	5109	DTE Electric Company	Electric Utility	Trenton Channel	MI	1745	7	110.0	Conventional Steam Coal	SUB	ST
2016	4	15470	Duke Energy Indiana, LLC	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana, LLC	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana, LLC	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana, LLC	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	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	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	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U4J08	1.4	Landfill Gas	LFG	IC
2016	4	26840	Port Townsend Paper Co	Industrial	Port Townsend Paper	WA	50544	GEN4	3.0	Wood/Wood Waste Biomass	BLQ	ST
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	4	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	1	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	3	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	4	178.0	Conventional Steam Coal	BIT	ST
2016	5	4161	Constellation Power Source Gen	IPP	Riverside (MD)	MD	1559	4	74.0	Natural Gas Steam Turbine	NG	ST
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	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	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2016	6	1009	City of Austin - (MN)	Electric Utility	Austin Northeast	MN	1961	1	28.0	Natural Gas Steam Turbine	NG	ST
2016	6	8198	City of Harrisonburg - (VA)	Electric Utility	Harrisonburg Power Plant	VA	56006	ST-1	2.7	Natural Gas Steam Turbine	NG	ST
2016	6	8723	City of Holland	Electric Utility	James De Young	MI	1830	3	10.5	Conventional Steam Coal	BIT	ST
2016	6	4329	Copper Valley Elec Assn, Inc	Electric Utility	Valdez	AK	6306	1	0.5	Petroleum Liquids	DFO	IC
2016	6	4329	Copper Valley Elec Assn, Inc	Electric Utility	Valdez	AK	6306	2	0.5	Petroleum Liquids	DFO	IC
2016	6	4329	Copper Valley Elec Assn, Inc	Electric Utility	Valdez	AK	6306	3	0.5	Petroleum Liquids	DFO	IC
2016	6	50128	Georgia-Pacific Consr Ops LLC-Palatka	Industrial	Georgia-Pacific Palatka Operations	FL	10611	GEN2	7.0	Natural Gas Steam Turbine	NG	ST
2016	6	12807	Michigan South Central Pwr Agy	Electric Utility	Endicott Station	MI	4259	1	55.0	Conventional Steam Coal	BIT	ST
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Natural Gas Steam Turbine	NG	ST
2016	7	7140	Georgia Power Co	Electric Utility	Mitchell (GA)	GA	727	3	155.0	Conventional Steam Coal	BIT	ST
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN1	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN2	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN3	0.4	Other Waste Biomass	OBG	IC
2016	8	14534	City of Pasadena - (CA)	Electric Utility	Broadway (CA)	CA	420	B3	71.0	Natural Gas Steam Turbine	NG	ST
2016	8	20838	Win-Sam Inc	Commercial	University of Texas at San Antonio	TX	54606	GEN1	3.3	Natural Gas Internal Combustion Engine	NG	IC
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	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2016	10	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2016	10	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2016	10	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2016	10	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2016	10	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2016	11	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	1TG	10.5	Wood/Wood Waste Biomass	BLQ	ST
2016	12	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2016	12	7160	Geysers Power Co LLC	IPP	West Ford Flat Power Plant	CA	10199	WFF1	15.0	Geothermal	GEO	ST
2016	12	7160	Geysers Power Co LLC	IPP	West Ford Flat Power Plant	CA	10199	WFF2	15.0	Geothermal	GEO	ST
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENCI	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	15466	Public Service Co of Colorado	Electric Utility	Salida	CO	474	1	0.8	Conventional Hydroelectric	WAT	HY
2017	2	57440	SABIC IP Mt. Vernon, LLC	Industrial	SABIC Innovative Plastics Mt. Vernon	IN	58063	1	3.0	Conventional Steam Coal	BIT	ST
2017	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2017	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2017	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2017	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2017	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	1	482.0	Conventional Steam Coal	SUB	ST
2017	4	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2017	4	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	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	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	2	150.0	Conventional Steam Coal	BIT	ST
2017	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	3	148.0	Petroleum Liquids	RFO	ST
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	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	3	31.1	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	6	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	37.5	Natural Gas Steam Turbine	NG	ST
2017	6	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.0	Petroleum Liquids	DFO	IC
2017	6	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC2	1.4	Petroleum Liquids	DFO	IC
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	6	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2017	7	13781	Northern States Power Co - Minnesota	Commercial	United Hospital	MN	7378	1	1.6	Petroleum Liquids	DFO	IC
2017	7	13781	Northern States Power Co - Minnesota	Commercial	United Hospital	MN	7378	2	1.6	Petroleum Liquids	DFO	IC
2017	7	13781	Northern States Power Co - Minnesota	Commercial	United Hospital	MN	7378	3	1.6	Petroleum Liquids	DFO	IC
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	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	56730	Cedar Bay Operating Services LLC	Electric CHP	Cedar Bay Generating Company LP	FL	10672	GEN1	250.0	Conventional Steam Coal	BIT	ST
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
2017	12	7160	Geysers Power Co LLC	IPP	Geysers Unit 5-20	CA	286	U10	30.0	Geothermal	GEO	ST
2017	12	7160	Geysers Power Co LLC	IPP	Geysers Unit 5-20	CA	286	U9	30.0	Geothermal	GEO	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	15.2	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	13.4	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	14.2	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	16.1	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	2.1	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	1.9	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	21.6	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.7	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	13.2	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	85.2	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	23.7	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.6	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	27.9	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	80.8	Natural Gas Steam Turbine	NG	ST
2017	12	58100	Middle Tennessee State University	Commercial	MTSU Power Co-Gen Plant	TN	58179	SG-01	2.0	Petroleum Liquids	DFO	IC
2017	12	58100	Middle Tennessee State University	Commercial	MTSU Power Co-Gen Plant	TN	58179	SG-02	2.0	Petroleum Liquids	DFO	IC
2017	12	58100	Middle Tennessee State University	Commercial	MTSU Power Co-Gen Plant	TN	58179	SG-03	2.0	Petroleum Liquids	DFO	IC
2017	12	58100	Middle Tennessee State University	Commercial	MTSU Power Co-Gen Plant	TN	58179	SG-04	2.0	Petroleum Liquids	DFO	IC
2017	12	58100	Middle Tennessee State University	Commercial	MTSU Power Co-Gen Plant	TN	58179	SG-05	2.0	Petroleum Liquids	DFO	IC
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	ST1	106.0	Natural Gas Steam Turbine	NG	ST
2017	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	4	257.0	Conventional Steam Coal	BIT	ST
2017	12	59099	New Dimension Energy Company, LLC	IPP	Altamont Midway Ltd	CA	50001	WTGS	10.9	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Dyer Road	CA	50818	GEN1	10.5	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Santa Clara (85C)	CA	50534	WGNS	18.0	Onshore Wind Turbine	WND	WT
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	1	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	2	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	3	116.5	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	4	257.0	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Natural Gas Steam Turbine	NG	ST
2017	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2017	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2017	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2017	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
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	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	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	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-01	52.7	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	10	56997	Marina Energy LLC	Commercial	Stockton Athletic Center	NJ	57864	2LOT7	0.5	Solar Photovoltaic	SUN	PV
2018	10	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	GTG1	163.0	Natural Gas Fired Combined Cycle	NG	CT
2018	10	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	GTG2		Natural Gas Fired Combined Cycle	NG	CT
2018	10	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	GTG3		Natural Gas Fired Combined Cycle	NG	CT
2018	10	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	STG1		All Other	WH	CA
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	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Natural Gas Steam Turbine	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Natural Gas Steam Turbine	NG	ST
2018	12	13781	Northern States Power Co - Minnesota	Electric Utility	Northern States Flambeau	WI	3984	1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
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	302.4	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	10	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	1	175.0	Natural Gas Steam Turbine	NG	ST
2019	10	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	2	175.0	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
2019	10	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	5	485.0	Natural Gas Steam Turbine	NG	ST
2019	10	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	1	225.8	Natural Gas Steam Turbine	NG	ST
2019	10	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	7	480.0	Natural Gas Steam Turbine	NG	ST
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	1	189.0	Conventional Steam Coal	BIT	ST
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	2	189.0	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	54802	Dynegy -Moss Landing LLC	IPP	Dynegy Moss Landing Power Plant	CA	260	6	754.0	Natural Gas Steam Turbine	NG	ST
2019	12	54802	Dynegy -Moss Landing LLC	IPP	Dynegy Moss Landing Power Plant	CA	260	7	755.0	Natural Gas Steam Turbine	NG	ST
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	607.7	Nuclear	NUC	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	49.8	Conventional Steam Coal	SUB	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	47.1	Conventional Steam Coal	SUB	ST
2019	12	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	CTG1	19.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Natural Gas Steam Turbine	NG	ST
2019	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	1	71.0	Natural Gas Steam Turbine	NG	ST
2019	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	1	38.0	Natural Gas Steam Turbine	NG	ST
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	3	24.8	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	4	14.4	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	5	44.1	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	6	44.6	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	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
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	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2	173.0	Conventional Steam Coal	BIT	ST
2020	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3	173.0	Conventional Steam Coal	BIT	ST
2020	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	173.0	Conventional Steam Coal	BIT	ST
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	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN5	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN6	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	9	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN7	1.1	Natural Gas Internal Combustion Engine	NG	IC
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	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	3	332.0	Natural Gas Steam Turbine	NG	ST
2020	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	4	335.0	Natural Gas Steam Turbine	NG	ST
2020	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	6	495.0	Natural Gas Steam Turbine	NG	ST
2020	12	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	2	225.8	Natural Gas Steam Turbine	NG	ST
2020	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	5	175.0	Natural Gas Steam Turbine	NG	ST
2020	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	6	175.0	Natural Gas Steam Turbine	NG	ST
2020	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	8	480.0	Natural Gas Steam Turbine	NG	ST
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	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	2	90.0	Natural Gas Steam Turbine	NG	ST
2020	12	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	1	670.0	Conventional Steam Coal	SUB	ST
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	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	2	164.0	Conventional Steam Coal	SUB	ST
2021	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	176.0	Conventional Steam Coal	SUB	ST
2021	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	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	SUB	ST
2022	1	59409	Eco Services Operations LLC	Industrial	Houston Plant	TX	52065	GEN2	1.5	All Other	WH	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2022	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	BIT	ST
2022	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	1	6.2	Conventional Hydroelectric	WAT	HY
2022	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	2	6.4	Conventional Hydroelectric	WAT	HY
2022	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	3	6.9	Conventional Hydroelectric	WAT	HY
2022	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	4	0.4	Conventional Hydroelectric	WAT	HY
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	3	61.0	Petroleum Liquids	DFO	GT
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	4	61.0	Petroleum Liquids	DFO	GT
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	2	682.0	Conventional Steam Coal	SUB	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	1	107.0	Natural Gas Steam Turbine	NG	ST
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY1	0.7	Conventional Hydroelectric	WAT	HY
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2	0.7	Conventional Hydroelectric	WAT	HY
2023	3	57173	AC Landfill Energy LLC	IPP	AC Landfill Energy LLC	NJ	57845	UNIT1	1.5	Landfill Gas	LFG	IC
2023	3	57173	AC Landfill Energy LLC	IPP	AC Landfill Energy LLC	NJ	57845	UNIT2	1.8	Landfill Gas	LFG	IC
2023	3	57173	AC Landfill Energy LLC	IPP	AC Landfill Energy LLC	NJ	57845	UNIT3	1.8	Landfill Gas	LFG	IC
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2023	3	13365	Nevada Cogeneration Assoc # 2	Electric CHP	Nevada Cogen Associates 2 Black Mountain	NV	54349	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13365	Nevada Cogeneration Assoc # 2	Electric CHP	Nevada Cogen Associates 2 Black Mountain	NV	54349	GTB	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13365	Nevada Cogeneration Assoc # 2	Electric CHP	Nevada Cogen Associates 2 Black Mountain	NV	54349	GTC	21.7	Natural Gas Fired Combined Cycle	NG	CT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2023	3	13365	Nevada Cogeneration Assoc # 2	Electric CHP	Nevada Cogen Associates 2 Black Mountain	NV	54349	STM	28.0	Natural Gas Fired Combined Cycle	NG	CA
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	1	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	2	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	3	36.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	4	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	1	9.0	Wood/Wood Waste Biomass	WDS	ST
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	2	7.0	Wood/Wood Waste Biomass	WDS	ST
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Laverne Battery	MN	58579	1	1.0	Batteries	MWH	BA
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	166.0	Natural Gas Steam Turbine	NG	ST
2023	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	2	106.0	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
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	1	0.4	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	3	0.5	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	4	0.5	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	2	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	3	93.0	Natural Gas Steam Turbine	NG	ST
2025	8	13781	Northern States Power Co - Minnesota	Electric Utility	White River (WI)	WI	3989	1	0.2	Conventional Hydroelectric	WAT	HY
2025	8	13781	Northern States Power Co - Minnesota	Electric Utility	White River (WI)	WI	3989	2	0.2	Conventional Hydroelectric	WAT	HY
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	1	0.4	Conventional Hydroelectric	WAT	HY
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	2	0.3	Conventional Hydroelectric	WAT	HY
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Angus Anson	SD	7237	1	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Angus Anson	SD	7237	2	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Saxon Falls	WI	1756	1	0.5	Conventional Hydroelectric	WAT	HY
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Saxon Falls	WI	1756	2	0.5	Conventional Hydroelectric	WAT	HY
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	1	680.0	Conventional Steam Coal	SUB	ST
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	1	0.5	Conventional Hydroelectric	WAT	HY
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	2	0.5	Conventional Hydroelectric	WAT	HY
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	2	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	3	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	4	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	5	52.0	Petroleum Liquids	DFO	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	6	48.0	Petroleum Liquids	DFO	GT
2025	12	17718	Southwestern Public Service Co	Electric Utility	Carlsbad	NM	2453	5	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	2	183.0	Natural Gas Steam Turbine	NG	ST
2025	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	2	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	3	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	2	670.0	Conventional Steam Coal	SUB	ST
2034	6	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2045		195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY

NOTES:

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

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

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

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2013-February 2016

	Coal	Natural Gas				Petroleum		
Period		Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Steam Turbine	Petroleum Liquids Fired Combustion Turbine	Internal Combustion Engine
Annual Factors								
2013	59.7%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	61.0%	48.3%	5.2%	10.4%	8.5%	12.5%	1.1%	1.4%
2015	54.6%	56.3%	6.7%	11.7%	NA	14.7%	1.3%	7.5%
Year 2014								
January	71.2%	47.2%	6.6%	10.0%	7.8%	19.5%	3.8%	2.3%
February	71.9%	42.5%	4.7%	9.2%	8.7%	12.0%	0.9%	1.5%
March	61.7%	39.7%	4.7%	7.2%	7.1%	13.7%	1.1%	1.4%
April	51.1%	40.3%	3.8%	7.2%	7.9%	9.4%	0.5%	1.0%
May	54.1%	45.0%	5.0%	9.8%	7.8%	10.2%	0.6%	1.6%
June	64.8%	51.1%	5.4%	11.8%	7.6%	14.8%	0.9%	1.3%
July	67.9%	57.7%	6.2%	15.2%	9.7%	15.0%	1.0%	1.5%
August	67.5%	61.0%	6.6%	16.9%	11.0%	14.4%	1.3%	1.5%
Sept	59.2%	55.4%	5.7%	12.7%	9.5%	13.5%	0.7%	1.4%
October	50.7%	49.0%	5.2%	10.6%	8.8%	8.6%	0.7%	1.3%
November	56.0%	43.7%	4.5%	7.6%	8.3%	7.7%	0.8%	1.2%
December	56.6%	46.2%	4.1%	5.9%	7.2%	10.7%	0.6%	1.1%
Year 2015								
January	62.0%	53.2%	4.0%	6.7%	NA	13.4%	0.6%	8.2%
February	65.4%	52.8%	6.0%	8.8%	NA	23.4%	1.7%	6.7%
March	50.6%	51.1%	4.9%	8.6%	NA	8.9%	0.7%	5.5%
April	42.9%	48.3%	5.6%	10.3%	NA	12.8%	1.1%	7.1%
May	49.8%	50.6%	6.9%	9.9%	NA	13.7%	1.4%	7.1%
June	62.5%	61.8%	8.3%	14.0%	NA	13.6%	1.3%	6.5%
July	66.7%	67.7%	10.7%	19.9%	NA	18.6%	1.6%	9.2%
August	64.7%	67.6%	8.7%	19.6%	NA	18.5%	1.5%	10.3%
Sept	58.5%	61.9%	7.9%	15.0%	NA	17.4%	1.5%	7.3%
October	46.8%	54.0%	6.4%	10.8%	NA	15.0%	1.2%	6.9%
November	43.7%	51.4%	7.0%	8.3%	NA	11.3%	2.4%	7.0%
December	43.1%	55.1%	4.4%	8.0%	NA	10.6%	1.3%	8.1%
Year 2016								
January	55.4%	56.3%	4.4%	7.1%	NA	11.3%	0.5%	9.5%
February	48.1%	53.8%	4.4%	6.7%	NA	11.2%	0.5%	6.4%

Values for 2014 and prior years are final. Values for 2015 and 2016 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-February 2016

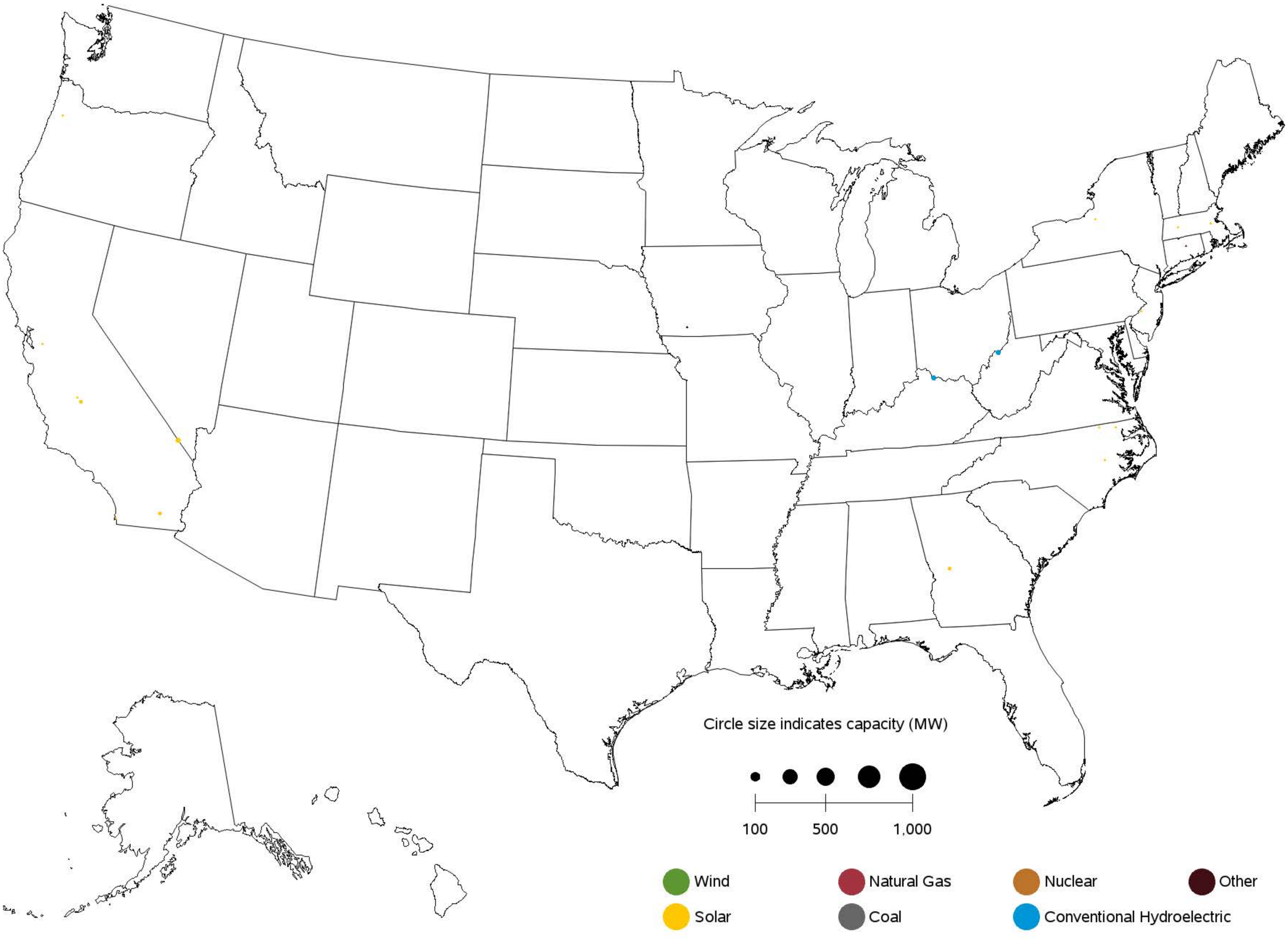
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	NA	NA	68.9%	56.7%	73.6%
2014	91.7%	37.3%	34.0%	25.9%	19.8%	68.9%	58.9%	74.0%
2015	92.2%	35.9%	32.5%	28.6%	22.7%	67.6%	52.9%	71.7%
Year 2014								
January	99.1%	36.7%	40.3%	NA	NA	68.1%	60.0%	74.0%
February	94.0%	32.6%	34.8%	NA	NA	68.3%	59.5%	73.3%
March	84.5%	40.7%	39.8%	NA	NA	69.6%	59.7%	73.5%
April	78.8%	44.5%	43.2%	NA	NA	69.9%	49.5%	74.6%
May	85.2%	44.6%	34.9%	NA	NA	70.6%	48.2%	73.2%
June	95.4%	44.8%	36.5%	NA	NA	70.8%	63.0%	73.4%
July	97.5%	41.3%	27.0%	NA	NA	73.1%	63.4%	72.5%
August	96.4%	33.7%	22.5%	30.9%	25.4%	71.1%	62.8%	73.0%
Sept	94.6%	28.2%	26.1%	30.7%	26.3%	68.9%	61.2%	74.2%
October	84.5%	29.2%	31.6%	26.5%	21.1%	64.4%	56.5%	73.9%
November	91.3%	32.6%	42.3%	22.3%	13.8%	66.1%	62.1%	77.3%
December	99.6%	37.8%	30.4%	15.1%	5.6%	65.4%	60.8%	75.5%
Year 2015								
January	101.3%	41.5%	31.7%	19.7%	5.1%	67.2%	55.3%	73.3%
February	95.8%	42.5%	34.5%	26.2%	15.9%	62.0%	58.4%	73.8%
March	88.0%	41.8%	31.7%	30.5%	24.2%	58.9%	50.5%	74.5%
April	84.2%	39.2%	37.8%	34.3%	32.5%	65.3%	41.7%	70.2%
May	89.7%	34.0%	35.2%	34.0%	31.1%	67.1%	48.0%	74.3%
June	96.4%	35.0%	28.3%	34.4%	34.5%	69.4%	54.3%	71.9%
July	97.2%	35.5%	27.7%	33.9%	35.1%	70.6%	59.9%	72.3%
August	98.6%	33.0%	26.0%	33.7%	32.8%	72.8%	61.3%	71.7%
Sept	93.5%	28.3%	28.3%	29.2%	27.5%	67.6%	52.0%	65.5%
October	82.5%	28.0%	31.9%	25.5%	16.7%	68.3%	46.3%	69.4%
November	84.8%	33.4%	39.0%	23.5%	17.1%	69.7%	51.0%	71.9%
December	94.8%	38.6%	37.5%	19.2%	9.6%	71.9%	56.0%	72.0%
Year 2016								
January	98.8%	42.4%	34.2%	17.9%	6.9%	69.2%	52.3%	72.8%
February	95.5%	43.1%	39.9%	26.6%	19.8%	66.0%	54.8%	72.8%

Values for 2014 and prior years are final. Values for 2015 and 2016 are preliminary. NA = Not Available

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

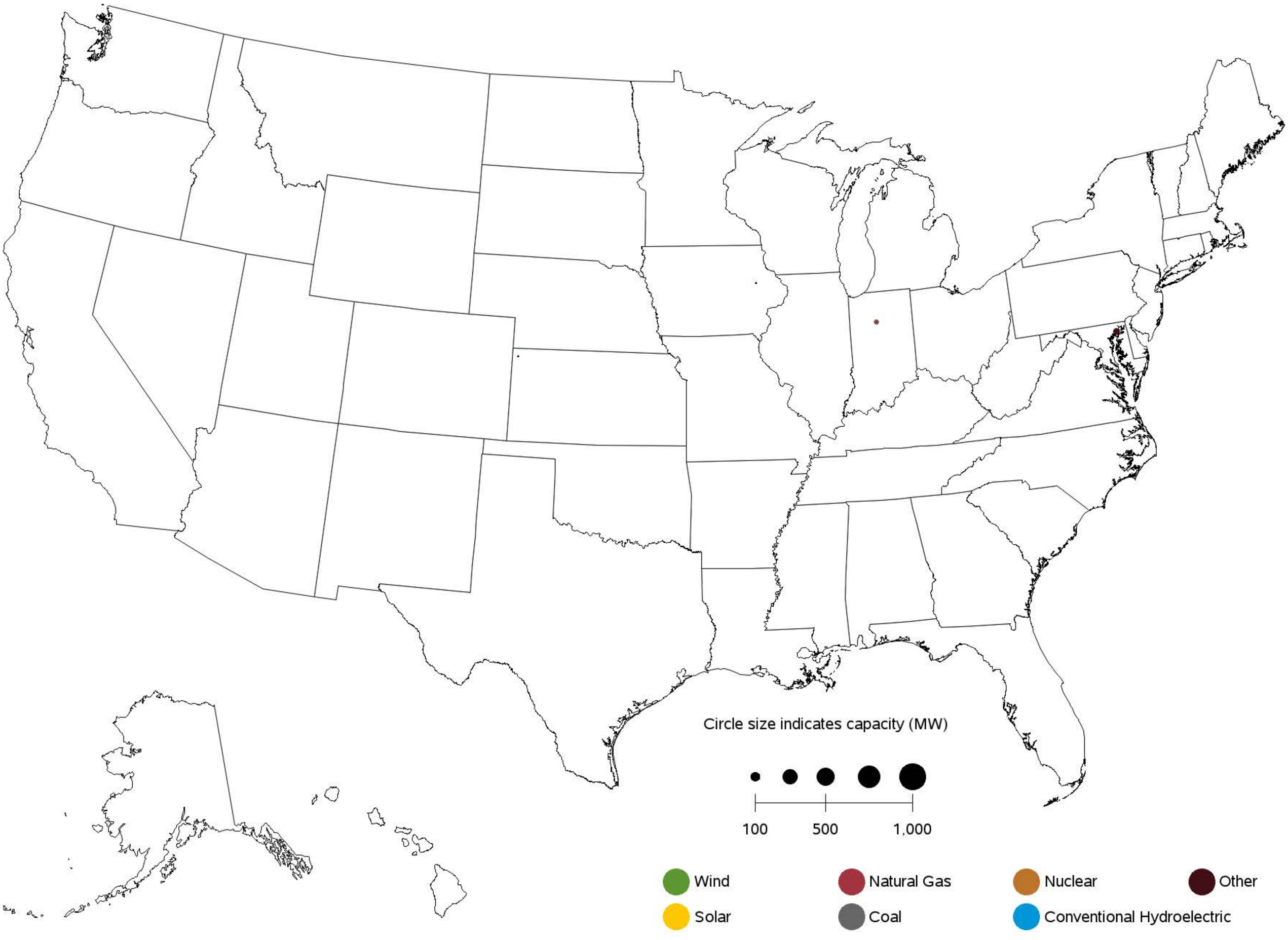
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility-Scale Generating Units Added in February 2016



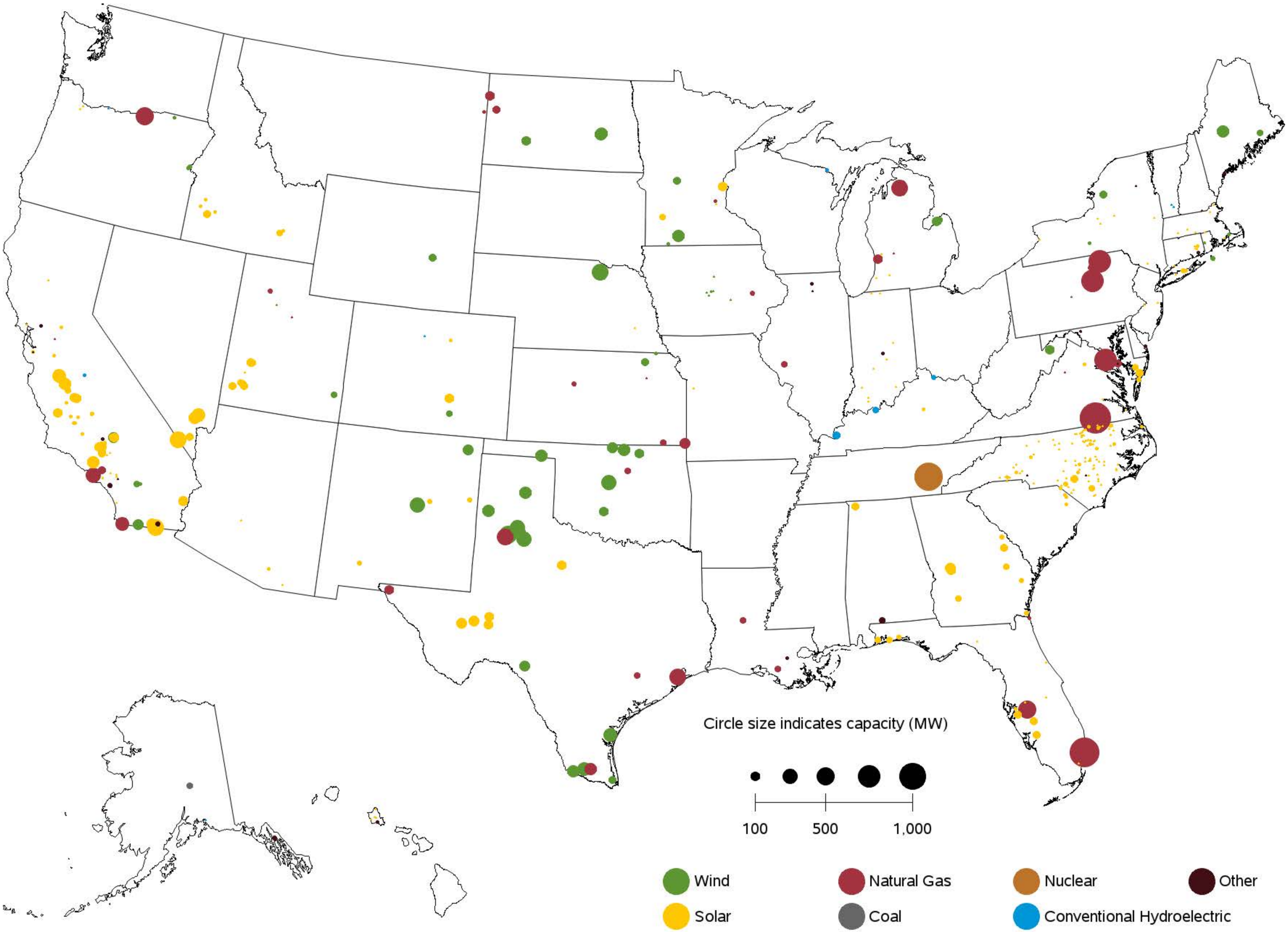
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in February 2016



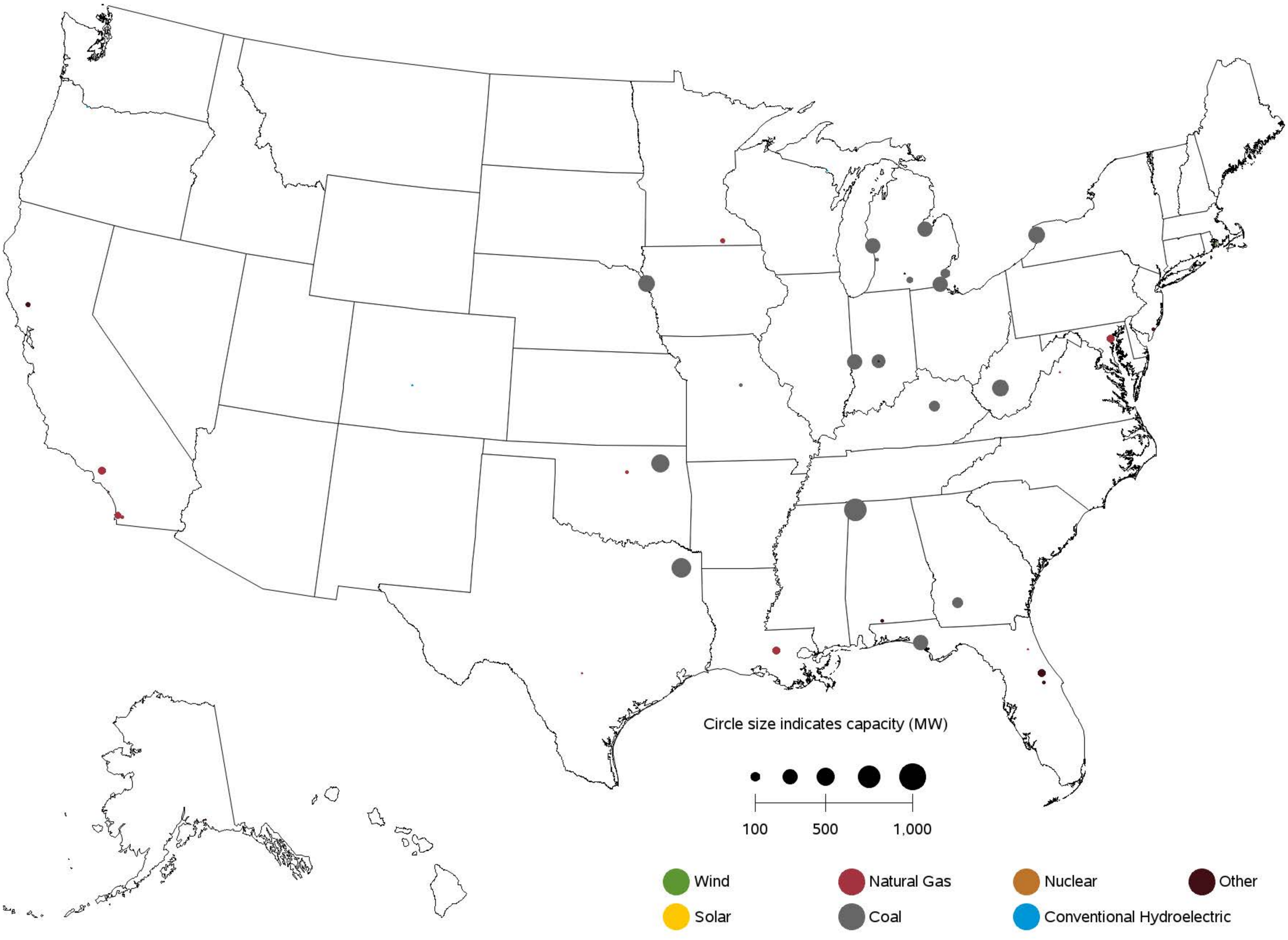
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from March 2016 to February 2017



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 March 2016 to February 2017



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, February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**5**	**0**	**2**	**0**	**0**	**9**
Connecticut	0	38	0	2	0	0	41
Maine	0	2	0	6	0	0	12
Massachusetts	1	9	0	3	0	0	25
New Hampshire	0	96	0	3	0	0	15
Rhode Island	0	63	0	2	0	0	411
Vermont	0	392	0	0	0	0	25
Middle Atlantic	**2**	**3**	**55**	**1**	**29**	**0**	**3**
New Jersey	0	5	173	2	73	0	164
New York	4	3	0	3	0	0	3
Pennsylvania	2	17	56	1	25	0	8
East North Central	**0**	**13**	**2**	**1**	**12**	**0**	**17**
Illinois	0	8	0	3	50	0	64
Indiana	0	11	0	2	17	0	38
Michigan	2	30	10	3	0	0	32
Ohio	1	4	2	1	32	0	40
Wisconsin	0	105	0	2	0	0	26
West North Central	**1**	**29**	**75**	**3**	**140**	**0**	**7**
Iowa	2	47	75	8	0	0	46
Kansas	0	10	0	32	0	0	198
Minnesota	3	188	0	3	0	0	52
Missouri	0	6	0	9	0	0	10
Nebraska	2	77	0	50	0	0	36
North Dakota	2	79	0	50	140	0	0
South Dakota	0	1,275	0	18	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**4**
Delaware	0	7	0	7	0	0	0
District of Columbia	0	0	0	133	0	0	0
Florida	1	13	0	1	0	0	59
Georgia	0	13	0	0	0	0	10
Maryland	0	9	0	9	0	0	3
North Carolina	1	5	0	0	0	0	6
South Carolina	0	6	0	1	0	0	12
Virginia	1	2	0	0	0	0	15
West Virginia	0	0	0	3	0	0	18
East South Central	**0**	**8**	**0**	**1**	**101**	**0**	**3**
Alabama	1	34	0	2	136	0	3
Kentucky	1	6	0	3	0	0	6
Mississippi	0	13	0	1	0	0	0
Tennessee	0	7	0	1	0	0	5
West South Central	**0**	**8**	**3**	**1**	**6**	**0**	**6**
Arkansas	0	0	0	1	0	0	6
Louisiana	0	1	3	1	7	0	0
Oklahoma	1	140	0	1	0	0	17
Texas	0	10	31	1	8	0	29
Mountain	**1**	**66**	**0**	**2**	**15**	**0**	**4**
Arizona	0	62	0	2	0	0	2
Colorado	0	247	0	2	0	0	20
Idaho	59	17,900	0	3	0	0	10
Montana	5	459	0	40	0	0	8
Nevada	0	0	0	3	0	0	8
New Mexico	0	111	0	7	0	0	98
Utah	1	104	0	6	0	0	46
Wyoming	2	14	0	22	15	0	30
Pacific Contiguous	**0**	**66**	**0**	**3**	**7**	**0**	**2**
California	0	75	0	5	9	0	7
Oregon	0	5,411	0	1	0	0	2
Washington	0	128	0	3	0	0	2
Pacific Noncontiguous	**4**	**8**	**0**	**13**	**123**	**0**	**23**
Alaska	8	22	0	13	0	0	23
Hawaii	5	8	0	0	123	0	149
U.S. Total	**0**	**5**	**2**	**0**	**6**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**10**	**3**	**0**	**5**	**1**
Connecticut	0	0	0	63	4	0	6	1
Maine	0	0	0	0	1	0	14	4
Massachusetts	0	0	0	11	7	0	6	2
New Hampshire	0	0	0	0	11	0	40	2
Rhode Island	0	0	0	69	10	0	0	2
Vermont	0	0	0	36	11	0	0	16
Middle Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	10	6	0	7	1
New York	0	0	0	23	2	0	8	1
Pennsylvania	0	0	0	28	2	0	6	1
East North Central	**0**	**0**	**0**	**14**	**1**	**0**	**7**	**0**
Illinois	0	0	0	33	1	0	26	0
Indiana	0	0	0	18	1	0	3	1
Michigan	0	0	0	105	3	0	11	1
Ohio	0	0	0	30	3	0	48	1
Wisconsin	0	0	0	196	5	0	36	1
West North Central	**0**	**0**	**0**	**51**	**0**	**0**	**12**	**0**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	208	0	0	207	0
Minnesota	0	0	0	100	2	0	14	1
Missouri	0	0	0	61	2	0	4	0
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	54	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**3**	**0**
Delaware	0	0	0	34	25	0	0	5
District of Columbia	0	0	0	0	0	0	0	133
Florida	0	0	0	12	4	0	3	0
Georgia	0	0	0	9	4	0	0	0
Maryland	0	0	0	21	3	0	2	1
North Carolina	0	0	0	5	4	0	21	1
South Carolina	0	0	0	115	5	0	33	0
Virginia	0	0	0	0	2	0	8	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**30**	**4**	**0**	**8**	**0**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	6	0	0	1
Mississippi	0	0	0	0	4	0	192	1
Tennessee	0	0	0	30	10	0	0	1
West South Central	**0**	**0**	**0**	**5**	**0**	**0**	**10**	**0**
Arkansas	0	0	0	60	4	0	0	1
Louisiana	0	0	0	0	7	0	10	1
Oklahoma	0	0	0	0	0	0	58	1
Texas	0	0	0	5	0	0	13	0
Mountain	**0**	**7**	**0**	**2**	**1**	**0**	**5**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	9	1	0	63	1
Idaho	0	72	0	0	5	0	0	5
Montana	0	0	0	0	2	0	0	4
Nevada	0	8	0	3	5	0	73	2
New Mexico	0	190	0	9	2	0	340	2
Utah	0	14	0	8	7	0	6	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**6**	**0**	**1**	**2**	**0**	**11**	**1**
California	0	6	0	1	2	0	13	3
Oregon	0	12	0	42	3	0	43	2
Washington	0	0	0	0	1	0	34	1
Pacific Noncontiguous	**0**	**0**	**0**	**31**	**8**	**0**	**5**	**5**
Alaska	0	0	0	0	27	0	309	9
Hawaii	0	0	0	31	8	0	0	6
U.S. Total	**0**	**5**	**0**	**1**	**0**	**0**	**3**	**0**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**1**	**5**	**0**	**2**	**0**	**0**	**9**
Connecticut	0	38	0	2	0	0	41
Maine	0	2	0	6	0	0	12
Massachusetts	1	9	0	3	0	0	25
New Hampshire	0	96	0	3	0	0	15
Rhode Island	0	63	0	2	0	0	411
Vermont	0	392	0	0	0	0	25
Middle Atlantic	**2**	**3**	**55**	**1**	**29**	**0**	**3**
New Jersey	0	5	173	2	73	0	164
New York	4	3	0	3	0	0	3
Pennsylvania	2	17	56	1	25	0	8
East North Central	**0**	**13**	**2**	**1**	**12**	**0**	**17**
Illinois	0	8	0	3	50	0	64
Indiana	0	11	0	2	17	0	38
Michigan	2	30	10	3	0	0	32
Ohio	1	4	2	1	32	0	40
Wisconsin	0	105	0	2	0	0	26
West North Central	**1**	**29**	**75**	**3**	**140**	**0**	**7**
Iowa	2	47	75	8	0	0	46
Kansas	0	10	0	32	0	0	198
Minnesota	3	188	0	3	0	0	52
Missouri	0	6	0	9	0	0	10
Nebraska	2	77	0	50	0	0	36
North Dakota	2	79	0	50	140	0	0
South Dakota	0	1,275	0	18	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**4**
Delaware	0	7	0	7	0	0	0
District of Columbia	0	0	0	133	0	0	0
Florida	1	13	0	1	0	0	59
Georgia	0	13	0	0	0	0	10
Maryland	0	9	0	9	0	0	3
North Carolina	1	5	0	0	0	0	6
South Carolina	0	6	0	1	0	0	12
Virginia	1	2	0	0	0	0	15
West Virginia	0	0	0	3	0	0	18
East South Central	**0**	**8**	**0**	**1**	**101**	**0**	**3**
Alabama	1	34	0	2	136	0	3
Kentucky	1	6	0	3	0	0	6
Mississippi	0	13	0	1	0	0	0
Tennessee	0	7	0	1	0	0	5
West South Central	**0**	**8**	**3**	**1**	**6**	**0**	**6**
Arkansas	0	0	0	1	0	0	6
Louisiana	0	1	3	1	7	0	0
Oklahoma	1	140	0	1	0	0	17
Texas	0	10	31	1	8	0	29
Mountain	**1**	**66**	**0**	**2**	**15**	**0**	**4**
Arizona	0	62	0	2	0	0	2
Colorado	0	247	0	2	0	0	20
Idaho	59	17,900	0	3	0	0	10
Montana	5	459	0	40	0	0	8
Nevada	0	0	0	3	0	0	8
New Mexico	0	111	0	7	0	0	98
Utah	1	104	0	6	0	0	46
Wyoming	2	14	0	22	15	0	30
Pacific Contiguous	**0**	**66**	**0**	**3**	**7**	**0**	**2**
California	0	75	0	5	9	0	7
Oregon	0	5,411	0	1	0	0	2
Washington	0	128	0	3	0	0	2
Pacific Noncontiguous	**4**	**8**	**0**	**13**	**123**	**0**	**23**
Alaska	8	22	0	13	0	0	23
Hawaii	5	8	0	0	123	0	149
U.S. Total	**0**	**5**	**2**	**0**	**6**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**10**	**3**	**0**	**5**	**1**
Connecticut	0	0	0	63	4	0	6	1
Maine	0	0	0	0	1	0	14	4
Massachusetts	0	0	0	11	7	0	6	2
New Hampshire	0	0	0	0	11	0	40	2
Rhode Island	0	0	0	69	10	0	0	2
Vermont	0	0	0	36	11	0	0	16
Middle Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	10	6	0	7	1
New York	0	0	0	23	2	0	8	1
Pennsylvania	0	0	0	28	2	0	6	1
East North Central	**0**	**0**	**0**	**14**	**1**	**0**	**7**	**0**
Illinois	0	0	0	33	1	0	26	0
Indiana	0	0	0	18	1	0	3	1
Michigan	0	0	0	105	3	0	11	1
Ohio	0	0	0	30	3	0	48	1
Wisconsin	0	0	0	196	5	0	36	1
West North Central	**0**	**0**	**0**	**51**	**0**	**0**	**12**	**0**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	208	0	0	207	0
Minnesota	0	0	0	100	2	0	14	1
Missouri	0	0	0	61	2	0	4	0
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	54	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**3**	**0**
Delaware	0	0	0	34	25	0	0	5
District of Columbia	0	0	0	0	0	0	0	133
Florida	0	0	0	12	4	0	3	0
Georgia	0	0	0	9	4	0	0	0
Maryland	0	0	0	21	3	0	2	1
North Carolina	0	0	0	5	4	0	21	1
South Carolina	0	0	0	115	5	0	33	0
Virginia	0	0	0	0	2	0	8	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**30**	**4**	**0**	**8**	**0**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	6	0	0	1
Mississippi	0	0	0	0	4	0	192	1
Tennessee	0	0	0	30	10	0	0	1
West South Central	**0**	**0**	**0**	**5**	**0**	**0**	**10**	**0**
Arkansas	0	0	0	60	4	0	0	1
Louisiana	0	0	0	0	7	0	10	1
Oklahoma	0	0	0	0	0	0	58	1
Texas	0	0	0	5	0	0	13	0
Mountain	**0**	**7**	**0**	**2**	**1**	**0**	**5**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	9	1	0	63	1
Idaho	0	72	0	0	5	0	0	5
Montana	0	0	0	0	2	0	0	4
Nevada	0	8	0	3	5	0	73	2
New Mexico	0	190	0	9	2	0	340	2
Utah	0	14	0	8	7	0	6	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**6**	**0**	**1**	**2**	**0**	**11**	**1**
California	0	6	0	1	2	0	13	3
Oregon	0	12	0	42	3	0	43	2
Washington	0	0	0	0	1	0	34	1
Pacific Noncontiguous	**0**	**0**	**0**	**31**	**8**	**0**	**5**	**5**
Alaska	0	0	0	0	27	0	309	9
Hawaii	0	0	0	31	8	0	0	6
U.S. Total	**0**	**5**	**0**	**1**	**0**	**0**	**3**	**0**

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

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**40**	**0**	**18**	**0**	**0**	**24**
Connecticut	0	79	0	0	0	0	146
Maine	0	293	0	0	0	0	0
Massachusetts	0	37	0	18	0	0	61
New Hampshire	0	100	0	0	0	0	19
Rhode Island	0	36	0	0	0	0	0
Vermont	0	504	0	0	0	0	41
Middle Atlantic	**0**	**3**	**0**	**7**	**0**	**0**	**1**
New Jersey	0	678	0	206	0	0	0
New York	0	3	0	7	0	0	1
Pennsylvania	0	110	0	651	0	0	95
East North Central	**1**	**19**	**0**	**1**	**102**	**0**	**19**
Illinois	0	28	0	22	0	0	125
Indiana	0	9	0	1	174	0	38
Michigan	2	31	0	5	0	0	34
Ohio	2	3	0	2	0	0	44
Wisconsin	0	162	0	2	0	0	28
West North Central	**1**	**30**	**0**	**4**	**0**	**0**	**7**
Iowa	2	48	0	6	0	0	46
Kansas	0	10	0	33	0	0	0
Minnesota	3	241	0	2	0	0	67
Missouri	0	6	0	14	0	0	10
Nebraska	2	77	0	53	0	0	36
North Dakota	2	79	0	53	0	0	0
South Dakota	0	1,297	0	18	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**5**
Delaware	0	357	0	314	0	0	0
Florida	0	10	0	1	0	0	59
Georgia	0	10	0	0	0	0	10
Maryland	0	74	0	0	0	0	0
North Carolina	0	4	0	0	0	0	6
South Carolina	0	7	0	0	0	0	12
Virginia	0	1	0	0	0	0	14
West Virginia	0	0	0	0	0	0	41
East South Central	**0**	**3**	**0**	**1**	**0**	**0**	**3**
Alabama	1	0	0	6	0	0	3
Kentucky	1	6	0	2	0	0	6
Mississippi	0	15	0	1	0	0	0
Tennessee	0	1	0	0	0	0	5
West South Central	**0**	**6**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	6
Louisiana	0	1	0	0	0	0	0
Oklahoma	0	23	0	1	0	0	17
Texas	0	11	0	2	0	0	29
Mountain	**1**	**71**	**0**	**1**	**0**	**0**	**4**
Arizona	0	62	0	1	0	0	2
Colorado	0	247	0	1	0	0	19
Idaho	0	17,900	0	4	0	0	10
Montana	139	890	0	41	0	0	8
Nevada	0	0	0	0	0	0	4
New Mexico	0	111	0	7	0	0	98
Utah	0	3	0	2	0	0	46
Wyoming	2	4	0	265	0	0	29
Pacific Contiguous	**0**	**81**	**0**	**2**	**0**	**0**	**1**
California	0	63	0	3	0	0	7
Oregon	0	0	0	0	0	0	2
Washington	0	331	0	3	0	0	2
Pacific Noncontiguous	**0**	**3**	**0**	**13**	**0**	**0**	**23**
Alaska	0	23	0	13	0	0	23
Hawaii	0	2	0	0	0	0	272
U.S. Total	**0**	**3**	**0**	**0**	**102**	**0**	**1**

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

Electric Utilities by Census Division and State, February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**63**	**4**	**0**	**0**	**10**
Connecticut	0	0	0	0	0	0	0	131
Maine	0	0	0	0	0	0	0	293
Massachusetts	0	0	0	63	46	0	0	40
New Hampshire	0	0	0	0	0	0	0	5
Rhode Island	0	0	0	0	0	0	0	36
Vermont	0	0	0	0	0	0	0	19
Middle Atlantic	**0**	**0**	**0**	**26**	**26**	**0**	**0**	**2**
New Jersey	0	0	0	26	26	0	0	27
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	100
East North Central	**0**	**0**	**0**	**38**	**2**	**0**	**30**	**1**
Illinois	0	0	0	170	98	0	0	2
Indiana	0	0	0	49	16	0	0	0
Michigan	0	0	0	105	1	0	71	1
Ohio	0	0	0	75	67	0	0	2
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	1
Missouri	0	0	0	0	41	0	4	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	54	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**8**	**2**	**0**	**0**	**0**
Delaware	0	0	0	94	94	0	0	242
Florida	0	0	0	4	3	0	0	0
Georgia	0	0	0	15	15	0	0	0
Maryland	0	0	0	80	80	0	0	55
North Carolina	0	0	0	14	14	0	0	0
South Carolina	0	0	0	0	7	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**44**	**0**	**0**	**0**
Alabama	0	0	0	0	305	0	0	1
Kentucky	0	0	0	0	30	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**9**	**1**	**0**	**71**	**1**
Arizona	0	0	0	9	9	0	0	0
Colorado	0	0	0	0	13	0	0	1
Idaho	0	0	0	0	4	0	0	8
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	54	54	0	73	0
New Mexico	0	0	0	19	19	0	340	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**4**	**0**	**12**	**1**	**0**	**277**	**1**
California	0	0	0	12	4	0	277	2
Oregon	0	220	0	96	6	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**42**	**23**	**0**	**339**	**5**
Alaska	0	0	0	0	39	0	309	9
Hawaii	0	0	0	42	19	0	0	2
U.S. Total	**0**	**3**	**0**	**6**	**0**	**0**	**4**	**0**

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

Electric Utilities by Census Division and State, Year-to-Date through February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**40**	**0**	**18**	**0**	**0**	**24**
Connecticut	0	79	0	0	0	0	146
Maine	0	293	0	0	0	0	0
Massachusetts	0	37	0	18	0	0	61
New Hampshire	0	100	0	0	0	0	19
Rhode Island	0	36	0	0	0	0	0
Vermont	0	504	0	0	0	0	41
Middle Atlantic	**0**	**3**	**0**	**7**	**0**	**0**	**1**
New Jersey	0	678	0	206	0	0	0
New York	0	3	0	7	0	0	1
Pennsylvania	0	110	0	651	0	0	95
East North Central	**1**	**19**	**0**	**1**	**102**	**0**	**19**
Illinois	0	28	0	22	0	0	125
Indiana	0	9	0	1	174	0	38
Michigan	2	31	0	5	0	0	34
Ohio	2	3	0	2	0	0	44
Wisconsin	0	162	0	2	0	0	28
West North Central	**1**	**30**	**0**	**4**	**0**	**0**	**7**
Iowa	2	48	0	6	0	0	46
Kansas	0	10	0	33	0	0	0
Minnesota	3	241	0	2	0	0	67
Missouri	0	6	0	14	0	0	10
Nebraska	2	77	0	53	0	0	36
North Dakota	2	79	0	53	0	0	0
South Dakota	0	1,297	0	18	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**5**
Delaware	0	357	0	314	0	0	0
Florida	0	10	0	1	0	0	59
Georgia	0	10	0	0	0	0	10
Maryland	0	74	0	0	0	0	0
North Carolina	0	4	0	0	0	0	6
South Carolina	0	7	0	0	0	0	12
Virginia	0	1	0	0	0	0	14
West Virginia	0	0	0	0	0	0	41
East South Central	**0**	**3**	**0**	**1**	**0**	**0**	**3**
Alabama	1	0	0	6	0	0	3
Kentucky	1	6	0	2	0	0	6
Mississippi	0	15	0	1	0	0	0
Tennessee	0	1	0	0	0	0	5
West South Central	**0**	**6**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	6
Louisiana	0	1	0	0	0	0	0
Oklahoma	0	23	0	1	0	0	17
Texas	0	11	0	2	0	0	29
Mountain	**1**	**71**	**0**	**1**	**0**	**0**	**4**
Arizona	0	62	0	1	0	0	2
Colorado	0	247	0	1	0	0	19
Idaho	0	17,900	0	4	0	0	10
Montana	139	890	0	41	0	0	8
Nevada	0	0	0	0	0	0	4
New Mexico	0	111	0	7	0	0	98
Utah	0	3	0	2	0	0	46
Wyoming	2	4	0	265	0	0	29
Pacific Contiguous	**0**	**81**	**0**	**2**	**0**	**0**	**1**
California	0	63	0	3	0	0	7
Oregon	0	0	0	0	0	0	2
Washington	0	331	0	3	0	0	2
Pacific Noncontiguous	**0**	**3**	**0**	**13**	**0**	**0**	**23**
Alaska	0	23	0	13	0	0	23
Hawaii	0	2	0	0	0	0	272
U.S. Total	**0**	**3**	**0**	**0**	**102**	**0**	**1**

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

Electric Utilities by Census Division and State, Year-to-Date through February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**63**	**4**	**0**	**0**	**10**
Connecticut	0	0	0	0	0	0	0	131
Maine	0	0	0	0	0	0	0	293
Massachusetts	0	0	0	63	46	0	0	40
New Hampshire	0	0	0	0	0	0	0	5
Rhode Island	0	0	0	0	0	0	0	36
Vermont	0	0	0	0	0	0	0	19
Middle Atlantic	**0**	**0**	**0**	**26**	**26**	**0**	**0**	**2**
New Jersey	0	0	0	26	26	0	0	27
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	100
East North Central	**0**	**0**	**0**	**38**	**2**	**0**	**30**	**1**
Illinois	0	0	0	170	98	0	0	2
Indiana	0	0	0	49	16	0	0	0
Michigan	0	0	0	105	1	0	71	1
Ohio	0	0	0	75	67	0	0	2
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**1**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	1
Missouri	0	0	0	0	41	0	4	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	54	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**8**	**2**	**0**	**0**	**0**
Delaware	0	0	0	94	94	0	0	242
Florida	0	0	0	4	3	0	0	0
Georgia	0	0	0	15	15	0	0	0
Maryland	0	0	0	80	80	0	0	55
North Carolina	0	0	0	14	14	0	0	0
South Carolina	0	0	0	0	7	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**44**	**0**	**0**	**0**
Alabama	0	0	0	0	305	0	0	1
Kentucky	0	0	0	0	30	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**9**	**1**	**0**	**71**	**1**
Arizona	0	0	0	9	9	0	0	0
Colorado	0	0	0	0	13	0	0	1
Idaho	0	0	0	0	4	0	0	8
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	54	54	0	73	0
New Mexico	0	0	0	19	19	0	340	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**4**	**0**	**12**	**1**	**0**	**277**	**1**
California	0	0	0	12	4	0	277	2
Oregon	0	220	0	96	6	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**42**	**23**	**0**	**339**	**5**
Alaska	0	0	0	0	39	0	309	9
Hawaii	0	0	0	42	19	0	0	2
U.S. Total	**0**	**3**	**0**	**6**	**0**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**3**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	38	0	2	0	0	43
Maine	0	1	0	0	0	0	13
Massachusetts	0	6	0	3	0	0	26
New Hampshire	0	346	0	0	0	0	19
Rhode Island	0	0	0	1	0	0	411
Vermont	0	0	0	0	0	0	30
Middle Atlantic	**2**	**3**	**0**	**1**	**0**	**0**	**8**
New Jersey	0	4	0	2	0	0	164
New York	5	3	0	3	0	0	13
Pennsylvania	2	18	0	1	0	0	7
East North Central	**0**	**5**	**0**	**1**	**14**	**0**	**41**
Illinois	0	0	0	2	0	0	62
Indiana	2	3,054	0	5	0	0	0
Michigan	6	0	0	3	0	0	98
Ohio	0	6	0	1	36	0	56
Wisconsin	0	8	0	1	0	0	130
West North Central	**93**	**100**	**0**	**4**	**0**	**0**	**81**
Iowa	0	135	0	0	0	0	516
Kansas	0	0	0	0	0	0	198
Minnesota	0	155	0	7	0	0	90
Missouri	93	0	0	4	0	0	0
South Dakota	0	501	0	0	0	0	0
South Atlantic	**1**	**5**	**0**	**1**	**0**	**0**	**5**
Delaware	0	6	0	7	0	0	0
Florida	0	356	0	5	0	0	0
Georgia	0	1,399	0	1	0	0	240
Maryland	0	9	0	6	0	0	3
North Carolina	76	133	0	0	0	0	111
South Carolina	0	202	0	10	0	0	99
Virginia	0	11	0	1	0	0	106
West Virginia	1	0	0	3	0	0	11
East South Central	**0**	**94**	**0**	**0**	**0**	**0**	**309**
Alabama	0	147	0	0	0	0	0
Kentucky	0	0	0	0	0	0	309
Mississippi	0	0	0	0	0	0	0
Tennessee	0	122	0	726	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	159
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	1	0	0	147
Mountain	**5**	**36**	**0**	**5**	**0**	**0**	**40**
Arizona	0	0	0	4	0	0	0
Colorado	164	0	0	12	0	0	88
Idaho	0	0	0	6	0	0	52
Montana	4	16	0	144	0	0	103
Nevada	0	0	0	35	0	0	202
New Mexico	0	0	0	9	0	0	0
Utah	108	704	0	88	0	0	450
Wyoming	86	0	0	634	0	0	398
Pacific Contiguous	**0**	**116**	**0**	**4**	**0**	**0**	**32**
California	0	177	0	5	0	0	48
Oregon	0	0	0	1	0	0	66
Washington	0	94	0	0	0	0	53
Pacific Noncontiguous	**4**	**5**	**0**	**0**	**0**	**0**	**0**
Alaska	36	0	0	0	0	0	0
Hawaii	0	5	0	0	0	0	0
U.S. Total	**1**	**2**	**0**	**1**	**10**	**0**	**5**

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

Independent Power Producers by Census Division and State, February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**10**	**3**	**0**	**4**	**1**
Connecticut	0	0	0	63	4	0	6	1
Maine	0	0	0	0	1	0	10	4
Massachusetts	0	0	0	11	7	0	6	2
New Hampshire	0	0	0	0	14	0	40	2
Rhode Island	0	0	0	69	8	0	0	2
Vermont	0	0	0	36	31	0	0	24
Middle Atlantic	**0**	**0**	**0**	**10**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	12	7	0	10	1
New York	0	0	0	23	2	0	5	1
Pennsylvania	0	0	0	32	2	0	6	1
East North Central	**0**	**0**	**0**	**15**	**1**	**0**	**17**	**0**
Illinois	0	0	0	34	1	0	0	0
Indiana	0	0	0	19	1	0	0	1
Michigan	0	0	0	0	4	0	17	2
Ohio	0	0	0	34	3	0	72	1
Wisconsin	0	0	0	196	12	0	0	2
West North Central	**0**	**0**	**0**	**52**	**1**	**0**	**25**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	208	0	0	0	0
Minnesota	0	0	0	100	2	0	25	3
Missouri	0	0	0	64	2	0	0	2
Nebraska	0	0	0	0	3	0	0	3
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**	**5**	**3**	**0**	**4**	**1**
Delaware	0	0	0	37	26	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	29	5	0	5	3
Georgia	0	0	0	10	9	0	0	1
Maryland	0	0	0	22	3	0	0	1
North Carolina	0	0	0	6	5	0	21	5
South Carolina	0	0	0	115	41	0	161	12
Virginia	0	0	0	0	6	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**30**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	7	0	0	0
Kentucky	0	0	0	0	123	0	0	90
Mississippi	0	0	0	0	80	0	0	0
Tennessee	0	0	0	30	17	0	0	26
West South Central	**0**	**0**	**0**	**5**	**0**	**0**	**60**	**0**
Arkansas	0	0	0	60	26	0	0	1
Louisiana	0	0	0	0	30	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	5	0	0	102	0
Mountain	**0**	**8**	**0**	**2**	**1**	**0**	**2**	**2**
Arizona	0	0	0	2	2	0	0	3
Colorado	0	0	0	9	1	0	132	2
Idaho	0	72	0	0	6	0	0	6
Montana	0	0	0	0	3	0	0	4
Nevada	0	8	0	2	5	0	0	6
New Mexico	0	190	0	9	2	0	0	5
Utah	0	29	0	8	10	0	221	26
Wyoming	0	0	0	0	2	0	0	14
Pacific Contiguous	**0**	**6**	**0**	**1**	**2**	**0**	**19**	**2**
California	0	6	0	1	2	0	27	3
Oregon	0	0	0	47	3	0	43	2
Washington	0	0	0	0	1	0	34	4
Pacific Noncontiguous	**0**	**0**	**0**	**44**	**10**	**0**	**0**	**3**
Alaska	0	0	0	0	60	0	0	31
Hawaii	0	0	0	44	10	0	0	3
U.S. Total	**0**	**6**	**0**	**1**	**1**	**0**	**3**	**0**

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

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

Independent Power Producers by Census Division and State, Year-to-Date through February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**3**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	38	0	2	0	0	43
Maine	0	1	0	0	0	0	13
Massachusetts	0	6	0	3	0	0	26
New Hampshire	0	346	0	0	0	0	19
Rhode Island	0	0	0	1	0	0	411
Vermont	0	0	0	0	0	0	30
Middle Atlantic	**2**	**3**	**0**	**1**	**0**	**0**	**8**
New Jersey	0	4	0	2	0	0	164
New York	5	3	0	3	0	0	13
Pennsylvania	2	18	0	1	0	0	7
East North Central	**0**	**5**	**0**	**1**	**14**	**0**	**41**
Illinois	0	0	0	2	0	0	62
Indiana	2	3,054	0	5	0	0	0
Michigan	6	0	0	3	0	0	98
Ohio	0	6	0	1	36	0	56
Wisconsin	0	8	0	1	0	0	130
West North Central	**93**	**100**	**0**	**4**	**0**	**0**	**81**
Iowa	0	135	0	0	0	0	516
Kansas	0	0	0	0	0	0	198
Minnesota	0	155	0	7	0	0	90
Missouri	93	0	0	4	0	0	0
South Dakota	0	501	0	0	0	0	0
South Atlantic	**1**	**5**	**0**	**1**	**0**	**0**	**5**
Delaware	0	6	0	7	0	0	0
Florida	0	356	0	5	0	0	0
Georgia	0	1,399	0	1	0	0	240
Maryland	0	9	0	6	0	0	3
North Carolina	76	133	0	0	0	0	111
South Carolina	0	202	0	10	0	0	99
Virginia	0	11	0	1	0	0	106
West Virginia	1	0	0	3	0	0	11
East South Central	**0**	**94**	**0**	**0**	**0**	**0**	**309**
Alabama	0	147	0	0	0	0	0
Kentucky	0	0	0	0	0	0	309
Mississippi	0	0	0	0	0	0	0
Tennessee	0	122	0	726	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	159
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	1	0	0	147
Mountain	**5**	**36**	**0**	**5**	**0**	**0**	**40**
Arizona	0	0	0	4	0	0	0
Colorado	164	0	0	12	0	0	88
Idaho	0	0	0	6	0	0	52
Montana	4	16	0	144	0	0	103
Nevada	0	0	0	35	0	0	202
New Mexico	0	0	0	9	0	0	0
Utah	108	704	0	88	0	0	450
Wyoming	86	0	0	634	0	0	398
Pacific Contiguous	**0**	**116**	**0**	**4**	**0**	**0**	**32**
California	0	177	0	5	0	0	48
Oregon	0	0	0	1	0	0	66
Washington	0	94	0	0	0	0	53
Pacific Noncontiguous	**4**	**5**	**0**	**0**	**0**	**0**	**0**
Alaska	36	0	0	0	0	0	0
Hawaii	0	5	0	0	0	0	0
U.S. Total	**1**	**2**	**0**	**1**	**10**	**0**	**5**

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

Independent Power Producers by Census Division and State, Year-to-Date through February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**10**	**3**	**0**	**4**	**1**
Connecticut	0	0	0	63	4	0	6	1
Maine	0	0	0	0	1	0	10	4
Massachusetts	0	0	0	11	7	0	6	2
New Hampshire	0	0	0	0	14	0	40	2
Rhode Island	0	0	0	69	8	0	0	2
Vermont	0	0	0	36	31	0	0	24
Middle Atlantic	**0**	**0**	**0**	**10**	**1**	**0**	**4**	**1**
New Jersey	0	0	0	12	7	0	10	1
New York	0	0	0	23	2	0	5	1
Pennsylvania	0	0	0	32	2	0	6	1
East North Central	**0**	**0**	**0**	**15**	**1**	**0**	**17**	**0**
Illinois	0	0	0	34	1	0	0	0
Indiana	0	0	0	19	1	0	0	1
Michigan	0	0	0	0	4	0	17	2
Ohio	0	0	0	34	3	0	72	1
Wisconsin	0	0	0	196	12	0	0	2
West North Central	**0**	**0**	**0**	**52**	**1**	**0**	**25**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	208	0	0	0	0
Minnesota	0	0	0	100	2	0	25	3
Missouri	0	0	0	64	2	0	0	2
Nebraska	0	0	0	0	3	0	0	3
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**	**5**	**3**	**0**	**4**	**1**
Delaware	0	0	0	37	26	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	29	5	0	5	3
Georgia	0	0	0	10	9	0	0	1
Maryland	0	0	0	22	3	0	0	1
North Carolina	0	0	0	6	5	0	21	5
South Carolina	0	0	0	115	41	0	161	12
Virginia	0	0	0	0	6	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**30**	**8**	**0**	**0**	**0**
Alabama	0	0	0	0	7	0	0	0
Kentucky	0	0	0	0	123	0	0	90
Mississippi	0	0	0	0	80	0	0	0
Tennessee	0	0	0	30	17	0	0	26
West South Central	**0**	**0**	**0**	**5**	**0**	**0**	**60**	**0**
Arkansas	0	0	0	60	26	0	0	1
Louisiana	0	0	0	0	30	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	5	0	0	102	0
Mountain	**0**	**8**	**0**	**2**	**1**	**0**	**2**	**2**
Arizona	0	0	0	2	2	0	0	3
Colorado	0	0	0	9	1	0	132	2
Idaho	0	72	0	0	6	0	0	6
Montana	0	0	0	0	3	0	0	4
Nevada	0	8	0	2	5	0	0	6
New Mexico	0	190	0	9	2	0	0	5
Utah	0	29	0	8	10	0	221	26
Wyoming	0	0	0	0	2	0	0	14
Pacific Contiguous	**0**	**6**	**0**	**1**	**2**	**0**	**19**	**2**
California	0	6	0	1	2	0	27	3
Oregon	0	0	0	47	3	0	43	2
Washington	0	0	0	0	1	0	34	4
Pacific Noncontiguous	**0**	**0**	**0**	**44**	**10**	**0**	**0**	**3**
Alaska	0	0	0	0	60	0	0	31
Hawaii	0	0	0	44	10	0	0	3
U.S. Total	**0**	**6**	**0**	**1**	**1**	**0**	**3**	**0**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**57**	**0**	**28**	**0**	**0**	**362**
Connecticut	0	194	0	55	0	0	0
Maine	0	326	0	218	0	0	0
Massachusetts	0	76	0	28	0	0	362
New Hampshire	0	144	0	279	0	0	0
Rhode Island	0	130	0	161	0	0	0
Vermont	0	618	0	0	0	0	0
Middle Atlantic	**153**	**74**	**0**	**26**	**0**	**0**	**455**
New Jersey	0	798	0	79	0	0	0
New York	0	77	0	26	0	0	455
Pennsylvania	153	121	0	91	0	0	0
East North Central	**12**	**216**	**0**	**20**	**0**	**0**	**482**
Illinois	39	417	0	28	0	0	482
Indiana	31	1,018	0	47	0	0	0
Michigan	0	44	0	31	0	0	0
Ohio	97	311	0	101	0	0	0
Wisconsin	350	630	0	70	0	0	0
West North Central	**26**	**104**	**0**	**50**	**0**	**0**	**0**
Iowa	43	432	0	102	0	0	0
Minnesota	632	110	0	74	0	0	0
Missouri	0	322	0	0	0	0	0
Nebraska	0	0	0	736	0	0	0
North Dakota	0	384	0	0	0	0	0
South Dakota	0	802	0	0	0	0	0
South Atlantic	**37**	**187**	**0**	**46**	**0**	**0**	**148**
District of Columbia	0	0	0	133	0	0	0
Florida	0	0	0	196	0	0	0
Georgia	0	76	0	0	0	0	0
Maryland	0	1,935	0	53	0	0	0
North Carolina	0	345	0	0	0	0	139
South Carolina	0	1,196	0	3,333	0	0	491
Virginia	367	250	0	393	0	0	0
East South Central	**0**	**634**	**0**	**88**	**0**	**0**	**0**
Mississippi	0	0	0	203	0	0	0
Tennessee	0	634	0	97	0	0	0
West South Central	**0**	**806**	**0**	**27**	**0**	**0**	**0**
Arkansas	0	0	0	532	0	0	0
Louisiana	0	0	0	67	0	0	0
Oklahoma	0	25,855	0	0	0	0	0
Texas	0	613	0	29	0	0	0
Mountain	**0**	**754**	**0**	**113**	**0**	**0**	**452**
Arizona	0	754	0	180	0	0	0
Colorado	0	0	0	0	0	0	452
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	317	0	0	0
New Mexico	0	0	0	215	0	0	0
Utah	0	0	0	244	0	0	0
Pacific Contiguous	**0**	**278**	**0**	**54**	**0**	**0**	**449**
California	0	261	0	59	0	0	449
Oregon	0	5,411	0	96	0	0	0
Washington	0	519	0	227	0	0	0
Pacific Noncontiguous	**24**	**51**	**0**	**337**	**0**	**0**	**0**
Alaska	24	142	0	337	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**12**	**40**	**0**	**14**	**0**	**0**	**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.

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

Commercial Sector by Census Division and State, February 2016 (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**	**112**	**31**	**0**	**45**	**22**
Connecticut	0	0	0	0	0	0	0	55
Maine	0	0	0	0	41	0	45	39
Massachusetts	0	0	0	112	68	0	0	25
New Hampshire	0	0	0	0	66	0	0	87
Rhode Island	0	0	0	0	139	0	0	107
Vermont	0	0	0	0	274	0	0	265
Middle Atlantic	**0**	**0**	**0**	**21**	**10**	**0**	**13**	**13**
New Jersey	0	0	0	21	11	0	0	21
New York	0	0	0	190	25	0	30	18
Pennsylvania	0	0	0	98	18	0	0	35
East North Central	**0**	**0**	**0**	**134**	**16**	**0**	**16**	**14**
Illinois	0	0	0	0	212	0	0	26
Indiana	0	0	0	0	85	0	101	34
Michigan	0	0	0	0	13	0	15	19
Ohio	0	0	0	134	146	0	0	94
Wisconsin	0	0	0	0	48	0	0	56
West North Central	**0**	**0**	**0**	**208**	**22**	**0**	**70**	**24**
Iowa	0	0	0	0	61	0	0	45
Minnesota	0	0	0	0	56	0	70	51
Missouri	0	0	0	208	6	0	0	2
Nebraska	0	0	0	0	83	0	0	86
North Dakota	0	0	0	0	0	0	0	384
South Dakota	0	0	0	0	0	0	0	802
South Atlantic	**0**	**0**	**0**	**24**	**13**	**0**	**18**	**19**
Delaware	0	0	0	170	143	0	0	143
District of Columbia	0	0	0	0	0	0	0	133
Florida	0	0	0	185	55	0	0	82
Georgia	0	0	0	131	87	0	0	76
Maryland	0	0	0	112	62	0	350	49
North Carolina	0	0	0	25	22	0	0	14
South Carolina	0	0	0	0	0	0	0	520
Virginia	0	0	0	0	15	0	18	17
East South Central	**0**	**0**	**0**	**134**	**134**	**0**	**0**	**85**
Mississippi	0	0	0	0	0	0	0	203
Tennessee	0	0	0	134	134	0	0	94
West South Central	**0**	**0**	**0**	**158**	**63**	**0**	**0**	**25**
Arkansas	0	0	0	0	179	0	0	264
Louisiana	0	0	0	0	0	0	0	67
Oklahoma	0	0	0	0	0	0	0	25,855
Texas	0	0	0	158	66	0	0	26
Mountain	**0**	**0**	**0**	**26**	**27**	**0**	**0**	**77**
Arizona	0	0	0	56	56	0	0	148
Colorado	0	0	0	61	61	0	0	120
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	34	34	0	0	100
New Mexico	0	0	0	0	348	0	0	207
Utah	0	0	0	0	0	0	0	244
Pacific Contiguous	**0**	**0**	**0**	**24**	**10**	**0**	**0**	**30**
California	0	0	0	24	10	0	0	32
Oregon	0	0	0	0	86	0	0	85
Washington	0	0	0	0	81	0	0	131
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**9**
Alaska	0	0	0	0	50	0	0	23
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**12**	**7**	**0**	**8**	**9**

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

Commercial Sector by Census Division and State, Year-to-Date through February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**57**	**0**	**28**	**0**	**0**	**362**
Connecticut	0	194	0	55	0	0	0
Maine	0	326	0	218	0	0	0
Massachusetts	0	76	0	28	0	0	362
New Hampshire	0	144	0	279	0	0	0
Rhode Island	0	130	0	161	0	0	0
Vermont	0	618	0	0	0	0	0
Middle Atlantic	**153**	**74**	**0**	**26**	**0**	**0**	**455**
New Jersey	0	798	0	79	0	0	0
New York	0	77	0	26	0	0	455
Pennsylvania	153	121	0	91	0	0	0
East North Central	**12**	**216**	**0**	**20**	**0**	**0**	**482**
Illinois	39	417	0	28	0	0	482
Indiana	31	1,018	0	47	0	0	0
Michigan	0	44	0	31	0	0	0
Ohio	97	311	0	101	0	0	0
Wisconsin	350	630	0	70	0	0	0
West North Central	**26**	**104**	**0**	**50**	**0**	**0**	**0**
Iowa	43	432	0	102	0	0	0
Minnesota	632	110	0	74	0	0	0
Missouri	0	322	0	0	0	0	0
Nebraska	0	0	0	736	0	0	0
North Dakota	0	384	0	0	0	0	0
South Dakota	0	802	0	0	0	0	0
South Atlantic	**37**	**187**	**0**	**46**	**0**	**0**	**148**
District of Columbia	0	0	0	133	0	0	0
Florida	0	0	0	196	0	0	0
Georgia	0	76	0	0	0	0	0
Maryland	0	1,935	0	53	0	0	0
North Carolina	0	345	0	0	0	0	139
South Carolina	0	1,196	0	3,333	0	0	491
Virginia	367	250	0	393	0	0	0
East South Central	**0**	**634**	**0**	**88**	**0**	**0**	**0**
Mississippi	0	0	0	203	0	0	0
Tennessee	0	634	0	97	0	0	0
West South Central	**0**	**806**	**0**	**27**	**0**	**0**	**0**
Arkansas	0	0	0	532	0	0	0
Louisiana	0	0	0	67	0	0	0
Oklahoma	0	25,855	0	0	0	0	0
Texas	0	613	0	29	0	0	0
Mountain	**0**	**754**	**0**	**113**	**0**	**0**	**452**
Arizona	0	754	0	180	0	0	0
Colorado	0	0	0	0	0	0	452
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	317	0	0	0
New Mexico	0	0	0	215	0	0	0
Utah	0	0	0	244	0	0	0
Pacific Contiguous	**0**	**278**	**0**	**54**	**0**	**0**	**449**
California	0	261	0	59	0	0	449
Oregon	0	5,411	0	96	0	0	0
Washington	0	519	0	227	0	0	0
Pacific Noncontiguous	**24**	**51**	**0**	**337**	**0**	**0**	**0**
Alaska	24	142	0	337	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**12**	**40**	**0**	**14**	**0**	**0**	**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.

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

Commercial Sector by Census Division and State, Year-to-Date through February 2016 (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**	**112**	**31**	**0**	**45**	**22**
Connecticut	0	0	0	0	0	0	0	55
Maine	0	0	0	0	41	0	45	39
Massachusetts	0	0	0	112	68	0	0	25
New Hampshire	0	0	0	0	66	0	0	87
Rhode Island	0	0	0	0	139	0	0	107
Vermont	0	0	0	0	274	0	0	265
Middle Atlantic	**0**	**0**	**0**	**21**	**10**	**0**	**13**	**13**
New Jersey	0	0	0	21	11	0	0	21
New York	0	0	0	190	25	0	30	18
Pennsylvania	0	0	0	98	18	0	0	35
East North Central	**0**	**0**	**0**	**134**	**16**	**0**	**16**	**14**
Illinois	0	0	0	0	212	0	0	26
Indiana	0	0	0	0	85	0	101	34
Michigan	0	0	0	0	13	0	15	19
Ohio	0	0	0	134	146	0	0	94
Wisconsin	0	0	0	0	48	0	0	56
West North Central	**0**	**0**	**0**	**208**	**22**	**0**	**70**	**24**
Iowa	0	0	0	0	61	0	0	45
Minnesota	0	0	0	0	56	0	70	51
Missouri	0	0	0	208	6	0	0	2
Nebraska	0	0	0	0	83	0	0	86
North Dakota	0	0	0	0	0	0	0	384
South Dakota	0	0	0	0	0	0	0	802
South Atlantic	**0**	**0**	**0**	**24**	**13**	**0**	**18**	**19**
Delaware	0	0	0	170	143	0	0	143
District of Columbia	0	0	0	0	0	0	0	133
Florida	0	0	0	185	55	0	0	82
Georgia	0	0	0	131	87	0	0	76
Maryland	0	0	0	112	62	0	350	49
North Carolina	0	0	0	25	22	0	0	14
South Carolina	0	0	0	0	0	0	0	520
Virginia	0	0	0	0	15	0	18	17
East South Central	**0**	**0**	**0**	**134**	**134**	**0**	**0**	**85**
Mississippi	0	0	0	0	0	0	0	203
Tennessee	0	0	0	134	134	0	0	94
West South Central	**0**	**0**	**0**	**158**	**63**	**0**	**0**	**25**
Arkansas	0	0	0	0	179	0	0	264
Louisiana	0	0	0	0	0	0	0	67
Oklahoma	0	0	0	0	0	0	0	25,855
Texas	0	0	0	158	66	0	0	26
Mountain	**0**	**0**	**0**	**26**	**27**	**0**	**0**	**77**
Arizona	0	0	0	56	56	0	0	148
Colorado	0	0	0	61	61	0	0	120
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	34	34	0	0	100
New Mexico	0	0	0	0	348	0	0	207
Utah	0	0	0	0	0	0	0	244
Pacific Contiguous	**0**	**0**	**0**	**24**	**10**	**0**	**0**	**30**
California	0	0	0	24	10	0	0	32
Oregon	0	0	0	0	86	0	0	85
Washington	0	0	0	0	81	0	0	131
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**9**
Alaska	0	0	0	0	50	0	0	23
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**12**	**7**	**0**	**8**	**9**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**49**	**144**	**0**	**30**	**0**	**0**	**27**
Connecticut	0	433	0	51	0	0	0
Maine	0	98	0	38	0	0	27
Massachusetts	96	1,018	0	92	0	0	347
New Hampshire	0	479	0	199	0	0	0
Middle Atlantic	**11**	**111**	**55**	**24**	**29**	**0**	**105**
New Jersey	0	673	173	55	73	0	0
New York	0	70	0	48	0	0	105
Pennsylvania	19	142	56	29	25	0	0
East North Central	**5**	**38**	**43**	**20**	**17**	**0**	**96**
Illinois	6	2,991	0	52	53	0	0
Indiana	117	12	0	33	17	0	0
Michigan	47	186	63	33	0	0	248
Ohio	10	92	3,161	140	61	0	0
Wisconsin	9	152	0	41	0	0	105
West North Central	**7**	**160**	**96**	**58**	**140**	**0**	**0**
Iowa	7	466	96	107	0	0	0
Kansas	0	0	0	142	0	0	0
Minnesota	18	156	0	91	0	0	0
Missouri	72	0	0	552	0	0	0
Nebraska	25	0	0	0	0	0	0
North Dakota	53	707	0	157	140	0	0
South Atlantic	**24**	**20**	**0**	**9**	**0**	**0**	**14**
Delaware	0	0	0	0	0	0	0
Florida	88	65	0	17	0	0	0
Georgia	49	29	0	23	0	0	184
Maryland	0	151	0	100	0	0	0
North Carolina	87	103	0	78	0	0	479
South Carolina	0	0	0	28	0	0	0
Virginia	38	213	0	24	0	0	251
West Virginia	0	0	0	0	0	0	10
East South Central	**11**	**76**	**0**	**14**	**101**	**0**	**0**
Alabama	72	91	0	17	136	0	0
Kentucky	0	0	0	66	0	0	0
Mississippi	0	0	0	34	0	0	0
Tennessee	0	190	0	19	0	0	0
West South Central	**66**	**157**	**41**	**2**	**7**	**0**	**0**
Arkansas	0	0	0	22	0	0	0
Louisiana	0	0	57	2	7	0	0
Oklahoma	79	1,158	0	75	0	0	0
Texas	0	330	31	2	15	0	0
Mountain	**23**	**324**	**0**	**36**	**15**	**0**	**0**
Colorado	1,053	802	0	355	0	0	0
Idaho	59	0	0	32	0	0	0
Montana	163	0	0	0	0	0	0
Nevada	0	0	0	85	0	0	0
New Mexico	0	369	0	135	0	0	0
Utah	0	3,872	0	106	0	0	0
Wyoming	24	101	0	19	15	0	0
Pacific Contiguous	**0**	**155**	**0**	**16**	**9**	**0**	**0**
California	0	1,144	0	17	9	0	0
Oregon	0	0	0	86	0	0	0
Washington	0	65	0	0	0	0	0
Pacific Noncontiguous	**243**	**179**	**0**	**99**	**123**	**0**	**177**
Alaska	0	19	0	99	0	0	0
Hawaii	243	209	0	0	123	0	177
U.S. Total	**6**	**98**	**24**	**3**	**7**	**0**	**18**

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, February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**3**	**0**	**31**	**12**
Connecticut	0	0	0	0	0	0	0	51
Maine	0	0	0	0	2	0	31	11
Massachusetts	0	0	0	0	212	0	0	75
New Hampshire	0	0	0	0	0	0	0	199
Middle Atlantic	**0**	**0**	**0**	**72**	**8**	**0**	**0**	**11**
New Jersey	0	0	0	179	179	0	0	43
New York	0	0	0	0	2	0	0	14
Pennsylvania	0	0	0	79	12	0	0	13
East North Central	**0**	**0**	**0**	**170**	**8**	**0**	**9**	**7**
Illinois	0	0	0	0	0	0	27	12
Indiana	0	0	0	0	46	0	0	13
Michigan	0	0	0	0	13	0	0	16
Ohio	0	0	0	170	13	0	0	25
Wisconsin	0	0	0	0	12	0	52	12
West North Central	**0**	**0**	**0**	**0**	**12**	**0**	**55**	**7**
Iowa	0	0	0	0	40	0	0	9
Kansas	0	0	0	0	94	0	207	108
Minnesota	0	0	0	0	12	0	56	13
Missouri	0	0	0	0	143	0	0	84
Nebraska	0	0	0	0	0	0	0	25
North Dakota	0	0	0	0	70	0	0	55
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**5**	**3**
Delaware	0	0	0	0	103	0	0	1
Florida	0	0	0	0	8	0	6	7
Georgia	0	0	0	0	4	0	0	5
Maryland	0	0	0	0	0	0	0	29
North Carolina	0	0	0	0	10	0	0	19
South Carolina	0	0	0	0	1	0	0	1
Virginia	0	0	0	0	5	0	0	8
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**35**	**4**
Alabama	0	0	0	0	6	0	0	7
Kentucky	0	0	0	0	3	0	0	26
Mississippi	0	0	0	0	4	0	192	8
Tennessee	0	0	0	0	12	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**10**	**2**
Arkansas	0	0	0	0	3	0	0	5
Louisiana	0	0	0	0	7	0	10	2
Oklahoma	0	0	0	0	24	0	89	35
Texas	0	0	0	0	11	0	13	2
Mountain	**0**	**0**	**0**	**171**	**7**	**0**	**15**	**19**
Colorado	0	0	0	0	358	0	70	146
Idaho	0	0	0	0	4	0	0	11
Montana	0	0	0	0	124	0	0	99
Nevada	0	0	0	171	171	0	0	85
New Mexico	0	0	0	0	0	0	0	134
Utah	0	0	0	0	0	0	0	73
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**87**	**7**	**0**	**14**	**11**
California	0	0	0	87	18	0	14	12
Oregon	0	0	0	0	14	0	0	18
Washington	0	0	0	0	7	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**77**
Alaska	0	0	0	0	102	0	0	68
Hawaii	0	0	0	0	32	0	0	98
U.S. Total	**0**	**0**	**0**	**51**	**2**	**0**	**6**	**2**

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

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

Industrial Sector by Census Division and State, Year-to-Date through February 2016

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**49**	**144**	**0**	**30**	**0**	**0**	**27**
Connecticut	0	433	0	51	0	0	0
Maine	0	98	0	38	0	0	27
Massachusetts	96	1,018	0	92	0	0	347
New Hampshire	0	479	0	199	0	0	0
Middle Atlantic	**11**	**111**	**55**	**24**	**29**	**0**	**105**
New Jersey	0	673	173	55	73	0	0
New York	0	70	0	48	0	0	105
Pennsylvania	19	142	56	29	25	0	0
East North Central	**5**	**38**	**43**	**20**	**17**	**0**	**96**
Illinois	6	2,991	0	52	53	0	0
Indiana	117	12	0	33	17	0	0
Michigan	47	186	63	33	0	0	248
Ohio	10	92	3,161	140	61	0	0
Wisconsin	9	152	0	41	0	0	105
West North Central	**7**	**160**	**96**	**58**	**140**	**0**	**0**
Iowa	7	466	96	107	0	0	0
Kansas	0	0	0	142	0	0	0
Minnesota	18	156	0	91	0	0	0
Missouri	72	0	0	552	0	0	0
Nebraska	25	0	0	0	0	0	0
North Dakota	53	707	0	157	140	0	0
South Atlantic	**24**	**20**	**0**	**9**	**0**	**0**	**14**
Delaware	0	0	0	0	0	0	0
Florida	88	65	0	17	0	0	0
Georgia	49	29	0	23	0	0	184
Maryland	0	151	0	100	0	0	0
North Carolina	87	103	0	78	0	0	479
South Carolina	0	0	0	28	0	0	0
Virginia	38	213	0	24	0	0	251
West Virginia	0	0	0	0	0	0	10
East South Central	**11**	**76**	**0**	**14**	**101**	**0**	**0**
Alabama	72	91	0	17	136	0	0
Kentucky	0	0	0	66	0	0	0
Mississippi	0	0	0	34	0	0	0
Tennessee	0	190	0	19	0	0	0
West South Central	**66**	**157**	**41**	**2**	**7**	**0**	**0**
Arkansas	0	0	0	22	0	0	0
Louisiana	0	0	57	2	7	0	0
Oklahoma	79	1,158	0	75	0	0	0
Texas	0	330	31	2	15	0	0
Mountain	**23**	**324**	**0**	**36**	**15**	**0**	**0**
Colorado	1,053	802	0	355	0	0	0
Idaho	59	0	0	32	0	0	0
Montana	163	0	0	0	0	0	0
Nevada	0	0	0	85	0	0	0
New Mexico	0	369	0	135	0	0	0
Utah	0	3,872	0	106	0	0	0
Wyoming	24	101	0	19	15	0	0
Pacific Contiguous	**0**	**155**	**0**	**16**	**9**	**0**	**0**
California	0	1,144	0	17	9	0	0
Oregon	0	0	0	86	0	0	0
Washington	0	65	0	0	0	0	0
Pacific Noncontiguous	**243**	**179**	**0**	**99**	**123**	**0**	**177**
Alaska	0	19	0	99	0	0	0
Hawaii	243	209	0	0	123	0	177
U.S. Total	**6**	**98**	**24**	**3**	**7**	**0**	**18**

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

Industrial Sector by Census Division and State, Year-to-Date through February 2016 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**3**	**0**	**31**	**12**
Connecticut	0	0	0	0	0	0	0	51
Maine	0	0	0	0	2	0	31	11
Massachusetts	0	0	0	0	212	0	0	75
New Hampshire	0	0	0	0	0	0	0	199
Middle Atlantic	**0**	**0**	**0**	**72**	**8**	**0**	**0**	**11**
New Jersey	0	0	0	179	179	0	0	43
New York	0	0	0	0	2	0	0	14
Pennsylvania	0	0	0	79	12	0	0	13
East North Central	**0**	**0**	**0**	**170**	**8**	**0**	**9**	**7**
Illinois	0	0	0	0	0	0	27	12
Indiana	0	0	0	0	46	0	0	13
Michigan	0	0	0	0	13	0	0	16
Ohio	0	0	0	170	13	0	0	25
Wisconsin	0	0	0	0	12	0	52	12
West North Central	**0**	**0**	**0**	**0**	**12**	**0**	**55**	**7**
Iowa	0	0	0	0	40	0	0	9
Kansas	0	0	0	0	94	0	207	108
Minnesota	0	0	0	0	12	0	56	13
Missouri	0	0	0	0	143	0	0	84
Nebraska	0	0	0	0	0	0	0	25
North Dakota	0	0	0	0	70	0	0	55
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**5**	**3**
Delaware	0	0	0	0	103	0	0	1
Florida	0	0	0	0	8	0	6	7
Georgia	0	0	0	0	4	0	0	5
Maryland	0	0	0	0	0	0	0	29
North Carolina	0	0	0	0	10	0	0	19
South Carolina	0	0	0	0	1	0	0	1
Virginia	0	0	0	0	5	0	0	8
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**35**	**4**
Alabama	0	0	0	0	6	0	0	7
Kentucky	0	0	0	0	3	0	0	26
Mississippi	0	0	0	0	4	0	192	8
Tennessee	0	0	0	0	12	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**10**	**2**
Arkansas	0	0	0	0	3	0	0	5
Louisiana	0	0	0	0	7	0	10	2
Oklahoma	0	0	0	0	24	0	89	35
Texas	0	0	0	0	11	0	13	2
Mountain	**0**	**0**	**0**	**171**	**7**	**0**	**15**	**19**
Colorado	0	0	0	0	358	0	70	146
Idaho	0	0	0	0	4	0	0	11
Montana	0	0	0	0	124	0	0	99
Nevada	0	0	0	171	171	0	0	85
New Mexico	0	0	0	0	0	0	0	134
Utah	0	0	0	0	0	0	0	73
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	**0**	**0**	**0**	**87**	**7**	**0**	**14**	**11**
California	0	0	0	87	18	0	14	12
Oregon	0	0	0	0	14	0	0	18
Washington	0	0	0	0	7	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**77**
Alaska	0	0	0	0	102	0	0	68
Hawaii	0	0	0	0	32	0	0	98
U.S. Total	**0**	**0**	**0**	**51**	**2**	**0**	**6**	**2**

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

Table A.6.A. Relative Standard Error for Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, February 2016

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**4**	**0**	**1**
Connecticut	1	1	5	0	1
Maine	6	6	12	0	5
Massachusetts	2	1	8	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	6	3	7	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	3	0	0
New York	1	0	2	0	0
Pennsylvania	1	0	1	0	0
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	1	1	1	0	1
Indiana	2	2	2	0	1
Michigan	1	2	3	0	1
Ohio	1	1	2	0	1
Wisconsin	1	3	4	0	2
West North Central	**1**	**2**	**3**	**0**	**1**
Iowa	2	7	4	0	3
Kansas	4	2	5	0	2
Minnesota	2	4	6	0	2
Missouri	2	1	6	0	2
Nebraska	2	7	8	0	3
North Dakota	2	4	8	0	3
South Dakota	2	9	10	0	4
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	2	2	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	4	0	1
Georgia	2	1	2	0	1
Maryland	1	0	4	0	0
North Carolina	2	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	3	0	1
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	3	1	2	0	1
Kentucky	3	2	4	0	2
Mississippi	4	2	3	0	2
Tennessee	2	2	4	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	3	2	3	0	2
Louisiana	3	1	1	0	1
Oklahoma	3	1	3	0	2
Texas	2	1	1	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	3	3	0	1
Colorado	2	5	5	0	2
Idaho	1	4	4	0	2
Montana	2	7	7	0	3
Nevada	1	3	1	0	1
New Mexico	3	8	7	0	4
Utah	3	5	2	0	2
Wyoming	2	7	3	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**1**
California	1	1	2	0	1
Oregon	1	4	8	0	2
Washington	1	4	6	0	2
Pacific Noncontiguous	**1**	**4**	**3**	**0**	**2**
Alaska	3	8	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 Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through February 2016

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

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Table A.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, February 2016

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	1	4	0	1
Maine	5	2	4	0	2
Massachusetts	2	1	4	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	5	4	5	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	1	0	1	0	0
East North Central	**1**	**1**	**2**	**0**	**1**
Illinois	2	1	3	0	1
Indiana	3	2	2	0	1
Michigan	1	1	4	0	1
Ohio	2	1	3	0	1
Wisconsin	1	2	5	0	2
West North Central	**1**	**2**	**4**	**0**	**1**
Iowa	2	6	7	0	3
Kansas	4	2	5	0	2
Minnesota	2	3	7	0	2
Missouri	3	2	6	0	2
Nebraska	2	6	11	0	4
North Dakota	2	4	8	0	3
South Dakota	3	7	13	0	3
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	3	3	9	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	4	0	1
Georgia	2	1	3	0	1
Maryland	1	1	3	0	1
North Carolina	2	1	3	0	1
South Carolina	2	2	3	0	1
Virginia	1	1	3	0	1
West Virginia	1	1	0	0	0
East South Central	**2**	**1**	**2**	**0**	**1**
Alabama	2	2	2	0	1
Kentucky	4	3	4	0	2
Mississippi	4	3	5	0	2
Tennessee	2	3	5	0	2
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	3	3	4	0	2
Louisiana	3	2	1	0	1
Oklahoma	4	3	5	0	2
Texas	2	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	3	4	0	1
Colorado	3	5	7	0	3
Idaho	1	4	5	0	2
Montana	3	5	14	0	3
Nevada	1	4	1	0	1
New Mexico	5	9	12	0	5
Utah	3	6	3	0	3
Wyoming	3	6	4	0	3
Pacific Contiguous	**0**	**1**	**2**	**0**	**1**
California	1	1	2	0	1
Oregon	1	3	10	0	2
Washington	1	3	8	0	2
Pacific Noncontiguous	**1**	**3**	**3**	**0**	**1**
Alaska	3	6	13	0	4
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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

by End-Use Sector, Census Division, and State, Year-to-Date through February 2016

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**0**
Connecticut	1	1	4	0	1
Maine	3	2	3	0	2
Massachusetts	1	1	4	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	4	4	5	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	1	0	1	0	0
East North Central	**1**	**1**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	2	2	2	0	1
Michigan	1	1	3	0	1
Ohio	1	1	2	0	1
Wisconsin	1	2	5	0	1
West North Central	**1**	**1**	**3**	**0**	**1**
Iowa	2	5	6	0	2
Kansas	2	2	4	0	1
Minnesota	1	3	6	0	2
Missouri	2	2	5	0	2
Nebraska	2	5	9	0	3
North Dakota	2	3	7	0	3
South Dakota	2	6	11	0	3
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	2	2	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	2	1	3	0	1
Maryland	1	1	3	0	0
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	3	3	3	0	2
Mississippi	3	2	4	0	2
Tennessee	2	2	4	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	2	3	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	4	0	2
Texas	1	1	1	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	2	4	0	1
Colorado	2	5	7	0	2
Idaho	1	3	5	0	1
Montana	2	5	12	0	3
Nevada	1	3	1	0	1
New Mexico	3	7	10	0	4
Utah	2	5	3	0	2
Wyoming	2	5	3	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**0**
California	0	1	2	0	0
Oregon	1	3	9	0	2
Washington	1	2	7	0	1
Pacific Noncontiguous	**1**	**2**	**2**	**0**	**1**
Alaska	2	6	11	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, February 2016

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

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

by End-Use Sector, Census Division, and State, Year-to-Date through February 2016

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

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Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2016

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
2016	1	01/10/2016 8:46 PM	01/11/2016 5:25 AM	8 Hours, 39 Minutes	ISO New England	NPCC	Maine: Connecticut: Massachusetts: Vermont: New Hampshire: Rhode Island:	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	59859
2016	1	01/22/2016 3:52 PM	01/24/2016 12:30 PM	44 Hours, 38 Minutes	Duke Energy Progress	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	150000
2016	1	01/23/2016 7:49 AM	01/23/2016 9:05 AM	1 Hours, 16 Minutes	FirstEnergy Corp. Jersey Central Power & Light	RFC	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	50900
2016	2	02/05/2016 11:21 AM	02/06/2016 3:48 PM	28 Hours, 27 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Rhode Island:	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	115057
2016	2	02/13/2016 12:44 PM	02/13/2016 4:27 PM	3 Hours, 43 Minutes	Pacific Gas & Electric Co	SERC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational i	7	4300
2016	2	02/16/2016 8:35 AM	02/16/2016 5:28 PM	8 Hours, 53 Minutes	American Electric Power - (RFC Reliability Region) (8400 Smiths Mill Road, New Albany Ohio 43054)	RFC	Virginia: Roanoke County, Montgomery County; West Virginia: Kanawha County, Cabell County; Tennessee: Sullivan County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	52640
2016	2	02/19/2016 10:00 PM	02/20/2016 11:13 PM	25 Hours, 13 Minutes	Detroit Edison Co	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	145314
2016	2	02/24/2016 2:45 PM	02/25/2016 5:00 AM	14 Hours, 15 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	400	284610
2016	2	02/25/2016 1:44 AM	02/25/2016 2:45 PM	13 Hours, 1 Minutes	ISO New England	NPCC	Connecticut: Maine: Massachusetts: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more-Weather	Unknown	114190
2016	2	02/26/2016 12:01 AM	ongoing	ongoing	California Department of Water Resources	WECC	California: San Bernardino County	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply	0	0

Note: Customers affected are estimates and are preliminary.Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

Table B.2 Major Disturbances and Unusual Occurrences, 2015

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	2	02/06/2015 8:58 PM	. .	. Hours, . Minutes	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	. .	. Hours, . Minutes	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.2 Major Disturbances and Unusual Occurrences, 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	. .	. Hours, . Minutes	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	. .	. Hours, . Minutes	Public Service Electric & Gas	NPCC	New Jersey	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	90	73000
2015	6	06/23/2015 6:30 PM	06/24/2015 5:00 AM	10 Hours, 30 Minutes	ISO New England	NPCC	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	62442
2015	6	06/26/2015 2:00 AM	. .	. Hours, . Minutes	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
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

Table B.2 Major Disturbances and Unusual Occurrences, 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	07/28/2015 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	. .	. Hours, . Minutes	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	. .	. Hours, . Minutes	Peak Reliability	WECC	Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	500000
2015	8	08/29/2015 11:00 AM	09/04/2015 3:00 PM	148 Hours, 0 Minutes	Puget Sound Energy	WECC	King County, Skagit County, Whatcom County, Kitsap County, Pierce County, Thurston County, Island County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	250	250000
2015	8	08/29/2015 1:00 PM	08/31/2015 7:00 AM	42 Hours, 0 Minutes	Seattle City Light	WECC	King County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	1200	64000
2015	9	09/03/2015 2:33 AM	09/03/2015 6:25 AM	3 Hours, 52 Minutes	Lansing Board of Water & Light	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	50114
2015	9	09/20/2015 1:12 PM	09/20/2015 1:44 PM	0 Hours, 32 Minutes	California ISO	WECC	California	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	150	Unknown
2015	10	10/13/2015 10:25 AM	10/13/2015 6:00 PM	7 Hours, 35 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - Other	Unknown	Unknown
2015	10	10/13/2015 4:32 PM	10/13/2015 8:39 PM	4 Hours, 7 Minutes	California ISO	WECC	California	Public appeal to reduce the use of electricity - Other	41788	Unknown
2015	10	10/18/2015 7:00 AM	10/18/2015 11:29 PM	16 Hours, 29 Minutes	Pacific Gas & Electric Co	WECC	Central Coast area, California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	88	55677
2015	10	10/23/2015 9:42 AM	10/23/2015 1:26 PM	3 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational / Load shedding of 100 Megawatts or more implemented under emergency operational policy / System-wide voltage reductions of 3 percent of more / Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	500	300000
2015	10	10/31/2015 12:45 AM	11/01/2015 4:05 PM	39 Hours, 20 Minutes	CenterPoint Energy	TRE	Harris County, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	130252

Note: Customers affected are estimates and are preliminary.Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

Appendix C

Technical notes

This appendix describes how the U. S. Energy Information Administration (EIA) collects, estimates, and reports electric power data in the EPM.

Data quality

The EPM is prepared by the Office of Electricity, Renewables & Uranium Statistics (ERUS), Energy Information Administration (EIA), U. S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, ERUS performs routine reviews of the data collected and the forms on which it is collected. Additionally, to assure that the data are collected from the correct parties, ERUS routinely reviews the frames for each data collection.

Automatic, computerized verification of keyed input, review by subject matter specialists, and follow-up with nonrespondents assure quality statistics. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the database have been designed and implemented to check data input for errors automatically. Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies. All survey nonrespondents are identified and contacted.

Reliability of data

There are two types of errors possible in an estimate based on a sample survey: sampling and non-sampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and non-sampling errors. Monthly sample survey data have both sampling and non-sampling error. Annual survey data are collected by a census and are not subject to sampling error.

Non-sampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. Note that for the cutoff sampling and model-based regression (ratio) estimation that we use, data 'missing' due to nonresponse, and data 'missing' due to being out-of-sample are treated in the same manner. Therefore missing data may be considered to result in sampling error, and variance estimates reflect all missing data.

Although no direct measurement of the biases due to non-sampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each EIA form for an in-depth discussion of how the sampling and non-sampling errors are handled in each case.

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable.

The sampling error may be less than the non-sampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated non-sampling errors, which were then identified and corrected. Non-sampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These non-sampling errors also occur in complete censuses.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approxi-mately a 68 percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percentages. As an example, suppose that a net generation from coal value is estimated to be 1,507 million kilowatthours with an estimated RSE of 4.9 percent. This means that, ignoring any non-sampling error, there is approximately a 68 percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approxi-mately a 95 percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases.

Relative Standard Error With Respect to a Superpopulation: The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample21,24. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data22. This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness.

Imputation: For monthly data, if the reported values appeared to be in error and the data issue could not be resolved with the respondent, or if the facility was a nonrespondent, a regression methodology is used to impute for the facility. The same procedure is used to estimate ("predict") data for facilities not in the monthly sample. The regression methodology relies on other data to make estimates for erroneous or missing responses.

Estimation for missing monthly data is accomplished by relating the observed data each month to one or more other data elements (regressors) for which we generally have an annual census. Each year, when new annual regressor data are available, recent monthly relationships are updated, causing slight revisions to estimated monthly results. These revisions are made as soon as the annual data are released.

The basic technique employed is described in the paper "Model-Based Sampling and Inference16," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). The basis for the current methodology involves a 'borrowing of strength' technique for small domains.

Data revision procedure

ERUS has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.
- All monthly survey data are first disseminated as preliminary. These data are revised after the prior year's data are finalized and are disseminated as revised preliminary. No revisions are made to the published data before this or subsequent to these data being finalized unless significant errors are discovered.
- After data are disseminated as final, further revisions will be considered if they make a difference of 1 percent or greater at the national level. Revisions for differences that do not meet the 1 percent or greater threshold will be determined by the Office Director. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.

Data sources for Electric Power Monthly

Data published in the EPM are compiled from the following sources:

- Form EIA-923, "Power Plant Operations Report,"
- Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report,"
- Form EIA 860, "Annual Electric Generator Report,"
- Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," and

- Form EIA 861, "Annual Electric Power Industry Report."

For access to these forms and their instructions, please see:
http://www.eia.gov/cneaf/electricity/page/forms.html.

In addition to the above-named forms, the historical data published in the EPM for periods prior to 2008 are compiled from the following sources:

- FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"
- Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report,"
- Form EIA-759, "Monthly Power Plant Report,"
- Form EIA-860A, "Annual Electric Generator Report–Utility,"
- Form EIA-860B, "Annual Electric Generator Report–Nonutility,"
- Form EIA-900, "Monthly Nonutility Power Report,"
- Form EIA-906, "Power Plant Report," and
- Form EIA-920, "Combined Heat and Power Plant Report."

See Appendix A of the historical Electric Power Annual reports to find descriptions of forms that are no longer in use. The publications can be found from the top of the current EPA under previous issues: http://www.eia.gov/electricity/annual.

Rounding rules for data: To round a number to n digits (decimal places), add one unit to the nth digit if the (n+1) digit is 5 or larger and keep the nth digit unchanged if the (n+1) digit is less than 5. The symbol for a number rounded to zero is (*).

Percent difference: The following formula is used to calculate percent differences:

$$\text{Percent Difference} = \left(\frac{x\ (t_2) - x\ (t_1)}{|\ x\ (t_1)\ |} \right) x\, 100,$$

where $x\ (t_1)$ and $x\ (t_2)$ denote the quantity at year t_1 and subsequent year t_2.

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

P Indicates a preliminary value.

NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).

Form EIA-826

The Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with sales to ultimate consumers in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and design history: The collection of electric power sales data and related information began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA 826, "Electric Utility Company Monthly Statement," replaced the FERC Form 5 in January 1983. In January 1987, the "Electric Utility Company Monthly Statement" was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions." The title was changed again in January 2002 to "Monthly Electric Utility Sales and Revenues with State Distributions Report" to become consistent with other EIA report titles. The Form EIA 826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average price of electricity to ultimate consumers at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those energy providers to ultimate consumers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the October 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA's efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents' customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation: Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

Formulas and methodologies: The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both sales of electricity to ultimate customers and revenue from sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for December 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate the price of electricity to ultimate consumers at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates[1].

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average price of electricity to ultimate consumers by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

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

The electric revenue used to calculate the average price of electricity to ultimate consumers is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average price of electricity to ultimate consumers reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

Adjusting monthly data to annual data: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

Sensitive data: Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls The Form EIA-860 is made available in January to collect data related to the previous year.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator's prime mover by using the abbreviations in the table below.

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (including jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft
CC	Combined Cycle Total Unit
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
HY	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other

Energy Sources: The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

Energy Source Grouping	Energy Source Code	Energy Source Description
Coal	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Petroleum Products	DFO	Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
	JF	Jet Fuel
	KER	Kerosene
	PC	Petroleum Coke
	PG	Gaseous Propane
	RFO	Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
Natural Gas and Other Gases	BFG	Blast Furnace Gas
	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT (Prime Mover = HY)	Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT (Prime Mover = PS)	Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine
Wood and Wood-Derived Fuels	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
Other Renewable Energy Sources	SUN	Solar (including solar thermal)
	WND	Wind
	GEO	Geothermal
Other Energy Sources	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
	TDF	Tire-Derived Fuels
	MWH	Electricity used for energy storage
	OTH	Other

Sensitive data: The tested heat rate data collected on the Form EIA-860 are considered business sensitive.

Form EIA-860M

The Form EIA 860M, "Monthly Update to the Annual Electric Generator Report," is a mandatory monthly survey that collects data on the status of proposed new generators or changes to existing generators for plants that report on Form EIA-860.

The Form EIA-860M has a rolling frame based upon planned changes to capacity as reported on the previous Form EIA-860. Respondents are added to the frame 12 months prior to the expected effective date for all new units or expected retirement date for existing units. For all other types of capacity changes (including retirements, uprates, derates, repowering, or other modifications), respondents are added 1 month prior to the anticipated modification change date. Respondents are removed from the frame at the completion of the changes or if the change date is moved back so that the plant no longer qualifies to be in the frame. Typically, 150 to 200 utilities per month are required to report for 175 to 250 plants (including 250 to 400 generating units) on this form. The unit characteristics of interest are changes to the previously reported planned operating month and year, prime mover type, capacity, and energy sources.

Instrument and design history: The data collected on Form EIA-860M was originally collected via phone calls at the end of each month. During 2005, the Form EIA-860M was introduced as a mandatory form using the Internet Data Collection (IDC) system.

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Approximately 150 to 200 utilities are requested to provide data each month on the Form EIA 860M. These data are collected via the IDC system and automatically checked for certain errors. Most of the quality assurance issues are addressed by the respondents as part of the automatic edit check process. In some cases, respondents are subsequently contacted about their explanatory overrides to the edit checks.

Sensitive data: Data collected on the Form EIA-860M are not considered to be sensitive.

Form EIA-861

The Form EIA 861, "Annual Electric Power Industry Report," is a mandatory census of electric power industry participants in the United States. The survey is used to collect information on power sales and revenue data from approximately 3,300 respondents. About 3,200 are electric utilities and the remainder are nontraditional utilities such as energy service providers or the unregulated subsidiaries of electric utilities and power marketers.

Instrument and design history: The Form EIA 861 was implemented in January 1985 for collection of data as of year end 1984. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

Data processing and data system editing: The Form EIA 861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on line system. Internal edit checks are per-formed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA 861 and similar data reported on the Form EIA 826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA 861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA 861 data in this report are for the United States only.

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

The electric revenue used to calculate the average price of electricity to ultimate consumers is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and other taxes paid by the utility.

The average price of electricity to ultimate consumers reported in this publication by sector represents a weighted average of consumer revenue and sales, and does not equal the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

Sensitive data: Data collected on the Form EIA-861 are not considered to be sensitive.

Form EIA-923

Form EIA-923, “Power Plant Operations Report,” is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,900 plants, which includes a census of nuclear and pumped-storage hydroelectric plants. In addition approximately 4,050 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without

generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

Instrument and design history:

Receipts and cost and quality of fossil fuels

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate- capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

Generation, consumption, and stocks

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities14. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data15. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey Form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

Data processing and data system editing: Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks are performed as the data are provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data are manually entered into the computerized database. The data are subjected to the same edits as those that are electronically submitted.

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

Imputation: For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

Net Generation = (Factor) x Gross Generation
Prime Movers:
Combined Cycle Steam - 0.97
Combined Cycle Single Shaft - 0.97
Combined Cycle Combustion Turbine - 0.97
Compressed Air - 0.97
Fuel Cell - 0.99
Gas Turbine - 0.98
Hydroelectric Turbine - 0.99
Hydroelectric Pumped Storage - 0.99
Internal Combustion Engine - 0.98
Other - 0.97
Photovoltaic - 0.99
Steam Turbine - 0.97
Wind Turbine - 0.99
Environmental Equipment:
Flue Gas Desulfurization - 0.97
Flue Gas Particulate 0.99
All Others - 0.97

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are used.

Receipts of fossil fuels: Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton. For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

Power production, fuel stocks, and fuel consumption data: The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906.

In January 2008, Form EIA-923 superseded both the Forms EIA-906 and EIA-920 for the collection of these data.

Methodology to estimate biogenic and non-biogenic municipal solid waste[2]: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures*. The Btu contents of the components of MSW were obtained from various sources.

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic components and how much to non-biogenic components (see Tables 1 and 2, below). [3]

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

Table 1. Btu consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	57	56	55	55	56	57	55	54	51	50
Non-biogenic	43	44	45	45	44	43	46	46	49	50

Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	77	77	76	76	75	67	65	65	64	64
Non-biogenic	23	23	24	24	25	34	35	35	36	36

Useful thermal output: With the implementation of the Form EIA-923, "Power Plant Operations Report," in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, "Power Plant Report") efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

Conversion of petroleum coke to liquid petroleum: The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds).

Conversion of propane gas to liquid petroleum: The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

Conversion of synthesis gas from coal to coal: The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Conversion of synthesis gas from petroleum coke to petroleum coke: The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Issues within historical data series:

Receipts and cost and quality of fossil fuels
Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to the FERC Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (i.e., 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

Generation and consumption
Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

Sensitive data: Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Average Capacity Factors

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

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

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

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

NERC classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the following reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the ReliabilityFirst Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- ReliabilityFirst Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

111 Agriculture production-crops
112 Agriculture production, livestock and animal specialties
113 Forestry
114 Fishing, hunting, and trapping
115 Agricultural services

Mining

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

22 Electric, gas, and sanitary services
2212 Natural gas transmission
2213 Water supply
22131 Irrigation systems
22132 Sewerage systems
481 Transportation by air
482 Railroad transportation
483 Water transportation
484 Motor freight transportation and warehousing
485 Local and suburban transit and interurban highway passenger transport
486 Pipelines, except natural gas
487 Transportation services
491 United States Postal Service
513 Communications
562212 Refuse systems

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

512 Motion pictures
514 Business services
514199 Miscellaneous services
541 Legal services
561 Engineering, accounting, research, management, and related services
611 Education services
622 Health services
624 Social services
712 Museums, art galleries, and botanical and zoological gardens
713 Amusement and recreation services
721 Hotels
811 Miscellaneous repair services
8111 Automotive repair, services, and parking
812 Personal services
813 Membership organizations
814 Private households

Public Administration

92

Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

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

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

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

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

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

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

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

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

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

e_i is the error term

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

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

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

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

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

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

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

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

Appendix 1- MSAs

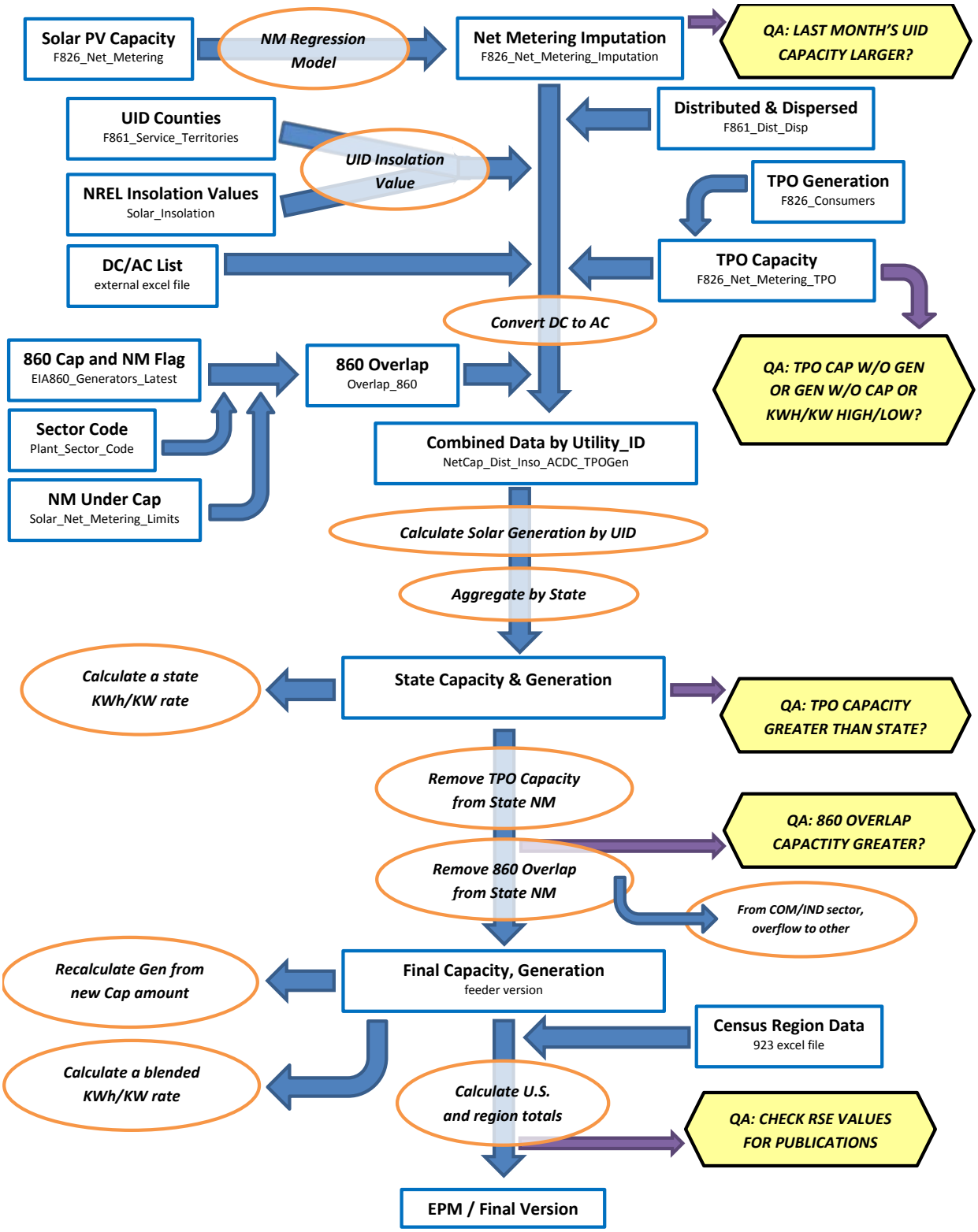
TMY3 (1991-2005) Weather Stations by MSA

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

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

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

Appendix 2 – Flow diagram of data sources and analysis



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

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

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

Table C.1 Average Heat Content of Fossil-Fuel Receipts, February 2016

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	22.44	5.92	--	1.03
Connecticut	--	5.81	--	1.03
Maine	25.21	6.13	--	1.03
Massachusetts	22.25	5.63	--	1.03
New Hampshire	--	5.78	--	1.04
Rhode Island	--	5.79	--	1.02
Vermont	--	--	--	--
Middle Atlantic	23.23	6.16	--	1.04
New Jersey	26.00	5.78	--	1.04
New York	25.82	6.28	--	1.03
Pennsylvania	23.16	5.80	--	1.04
East North Central	20.62	5.79	26.75	1.04
Illinois	17.79	5.80	--	1.01
Indiana	22.30	5.77	25.40	1.04
Michigan	18.93	5.82	27.50	1.03
Ohio	24.58	5.79	27.71	1.06
Wisconsin	17.70	5.81	27.90	1.04
West North Central	16.64	5.78	--	1.05
Iowa	17.79	5.72	--	1.05
Kansas	17.29	--	--	1.03
Minnesota	17.71	5.80	--	1.05
Missouri	17.57	5.77	--	1.03
Nebraska	16.95	--	--	1.06
North Dakota	13.26	5.89	--	1.00
South Dakota	16.70	--	--	1.06
South Atlantic	23.58	6.04	27.50	1.03
Delaware	26.05	5.50	--	1.05
District of Columbia	--	--	--	--
Florida	23.39	5.76	27.50	1.02
Georgia	19.54	5.92	--	1.03
Maryland	24.90	5.81	--	1.06
North Carolina	24.88	5.80	--	1.03
South Carolina	25.01	6.05	--	1.03
Virginia	23.00	6.22	--	1.06
West Virginia	24.66	5.76	--	1.07
East South Central	21.10	5.78	28.30	1.03
Alabama	19.98	5.55	--	1.03
Kentucky	22.31	5.84	28.30	1.01
Mississippi	12.81	5.81	--	1.03
Tennessee	22.31	5.77	--	1.01
West South Central	15.43	5.88	28.52	1.03
Arkansas	17.52	5.90	--	1.03
Louisiana	15.64	5.83	28.52	1.03
Oklahoma	16.78	5.80	--	1.05
Texas	14.76	5.88	--	1.03
Mountain	18.73	5.73	--	1.05
Arizona	18.90	5.61	--	1.05
Colorado	18.78	5.79	--	1.08
Idaho	--	--	--	1.01
Montana	17.17	5.92	--	--
Nevada	17.73	5.82	--	1.04
New Mexico	18.32	5.66	--	1.06
Utah	22.15	5.88	--	1.04
Wyoming	17.54	5.88	--	1.02
Pacific Contiguous	17.61	--	--	1.04
California	23.21	--	--	1.03
Oregon	17.29	--	--	1.04
Washington	17.26	--	--	1.08
Pacific Noncontiguous	18.18	6.13	--	1.00
Alaska	14.58	5.50	--	1.00
Hawaii	20.20	6.13	--	--
U.S. Total	19.37	6.06	27.64	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, 2012 through 2014

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

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report'; and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2012 through 2014

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

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2014 are Final.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';
Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report';
and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

Unit	Equivalent
Kilowatt (kW)	1,000 (One Thousand) Watts
Megawatt (MW)	1,000,000 (One Million) Watts
Gigawatt (GW)	1,000,000,000 (One Billion) Watts
Terawatt (TW)	1,000,000,000,000 (One Trillion) Watts
Gigawatt	1,000,000 (One Million) Kilowatts
Thousand Gigawatts	1,000,000,000 (One Billion) Kilowatts
Kilowatthours (kWh)	1,000 (One Thousand) Watthours
Megawatthours (MWh)	1,000,000 (One Million) Watthours
Gigawatthours (GWh)	1,000,000,000 (One Billion) Watthours
Terawatthours (TWh)	1,000,000,000,000 (One Trillion) Watthours
Gigawatthours	1,000,000 (One Million) Kilowatthours
Thousand Gigawatthours	1,000,000,000(One Billion Kilowatthours

Source: U.S. Energy Information Administration

Glossary

Anthracite: The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). Note: Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

Ash: Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Ash content: The amount of ash contained in the fuel (except gas) in terms of percent by weight.

Average Price of Electricity to Ultimate Consumers (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

Barrel: A unit of volume equal to 42 U.S. gallons.

Biomass: Organic non-fossil material of biological origin constituting a renewable energy resource.

Bituminous coal: A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

British thermal unit: The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu: The abbreviation for British thermal unit(s).

Capacity: See Generator Capacity and Generator Name Plate Capacity (Installed).

Census Divisions: Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
2) *Middle Atlantic:* New Jersey, New York, and Pennsylvania;
3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
4) *West North Central:* Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
5) *South Atlantic:* Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
6) *East South Central:* Alabama, Kentucky, Mississippi, and Tennessee;
7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

Note: Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

Coal: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Coal synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

Coke (petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Combined cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

Combined heat and power (CHP): Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Commercial sector: An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

Consumption (fuel): The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Demand (electric): The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Diesel: A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

Distillate fuel oil: *A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.*

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

- *No. 1 Diesel fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.
- *No. 1 Fuel oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

- *No. 2 Diesel fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel:* A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel fuel and No. 4 Fuel oil:* See No. 4 Fuel above.

Electric industry restructuring: The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual ultimate customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

Electric plant (physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric power sector: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

Electric utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electricity generators: The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy conservation features: This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

Energy efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

Energy service provider: An energy entity that provides service to an ultimate consumer.

Energy source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

Energy-only service: Sales services for ultimate consumers for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil fuel: An energy source formed in the earths crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

Franchised service area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

Fuel: Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas turbine plant: An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

Generating unit: Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

Generator: A machine that converts mechanical energy into electrical energy.

Generator capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

Generator nameplate capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Geothermal: Pertaining to heat within the Earth.

Geothermal energy: Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

Gross generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

Heat content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

Hydroelectric power: The production of electricity from the kinetic energy of falling water.

Hydroelectric power generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Hydroelectric pumped storage: Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Hydrogen: A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Independent power producer: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

Industrial sector: An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

Interdepartmental service (electric): Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Internal combustion plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Investor-owned utility (IOU): A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

Jet fuel: A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

Kerosene: A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Light oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Manufactured gas: A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

Municipal utility: A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of electric power to ultimate consumers.

Natural gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

1) *Wet natural gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. Note: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.

   - Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
   - Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.

2) *Dry natural gas:* Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

Net generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net summer capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

Net winter capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 though April 30). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

1) Texas Regional Entity (TRE),
2) Florida Reliability Coordinating Council (FRCC),
3) Midwest Reliability Organization (MRO),
4) Northeast Power Coordinating Council (NPCC),
5) ReliabilityFirst Corporation (RFC),
6) Southeastern Electric Reliability Council (SERC),
7) Southwest Power Pool (SPP), and the
8) Western Energy Coordinating Council (WECC).

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.

Nuclear electric power: Electricity generated by an electric power plant whose turbines are driven by steam produced by the heat from the fission of nuclear fuel in a reactor.

Other customers: Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, sales for irrigation, and interdepartmental sales.

Other generation: Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal; photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

Percent change: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Petroleum: A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. Note: Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

Petroleum coke: See Coke (petroleum).

Photovoltaic energy: Direct-current electricity generated from sunlight through solid-state semiconductor devices that have no moving parts.

Plant: A term commonly used either as a synonym for an industrial establishment or a generation facility or to refer to a particular process within an establishment.

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

Power production plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Production (electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Propane: A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D 1835.

Public street and highway lighting service: Includes electricity supplied and services rendered for the purpose of lighting streets, highways, parks and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

Railroad and railway electric service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

Receipts: Purchases of fuel.

Relative standard error: The standard deviation of a distribution divided by the arithmetic mean, sometimes multiplied by 100. It is used for the purpose of comparing the variabilities of frequency distributions but is sensitive to errors in the means.

Residential: An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

Residual fuel oil: A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government

service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

Revenues: The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

Sales: The transfer of title to an energy commodity from a seller to a buyer for a price or the quantity transferred during a specified period.

Service classifications (sectors): Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial and other.

Service to public authorities: Public authority service includes electricity supplied and services rendered to municipalities or divisions or agencies of State and Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

Solar energy: The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity. Electricity produced from solar energy heats a medium that powers an electricity-generating device.

State power authority: A nonprofit utility owned and operated by a state government agency, primarily involved in the generation, marketing, and/or transmission of wholesale electric power.

Steam-electric power plant (conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks of fuel: A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

Subbituminous coal: A coal whose properties range from those of lignite to those of bituminous coal and used primarily as fuel for steam-electric power generation. It may be dull, dark brown to black, soft and crumbly, at the lower end of the range, to bright, jet black, hard, and relatively strong, at the upper end. Subbituminous coal contains 20 to 30 percent inherent moisture by weight. The heat content of subbituminous coal ranges from 17 to 24 million Btu per ton on a moist, mineral-matter-free basis. The heat content of subbituminous coal consumed in the United States averages 17 to 18 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Sulfur: A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is

currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Sulfur content: The amount of sulfur contained in the fuel (except gas) in terms of percent by weight.

Supplemental gaseous fuel supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Synthetic fuel: A gaseous, liquid, or solid fuel that does not occur naturally. Synfuels can be made from coal (coal gasification or coal liquefaction), petroleum products, oil shale, tar sands, or plant products. Among the synfuels are various fuel gases, including but not restricted to substitute natural gas, liquid fuels for engines (e.g., gasoline, diesel fuel, and alcohol fuels) and burner fuels (e.g., fuel heating oils).

Terrawatt: One trillion watts.

Terrawatthour: One trillion kilowatthours.

Ton: A unit of weight equal to 2,000 pounds.

Turbine: A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Ultimate consumer: A consumer that purchases electricity for its own use and not for resale.

Useful thermal output: The thermal energy made available in a combined heat or power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

Waste coal: As a fuel for electric power generation, waste coal includes anthracite refuse or mine waste, waste from anthracite preparation plants, and coal recovered from previously mined sites.

Waste gases: As a fuel for electric power generation, waste gasses are those gasses that are produced from gasses recovered from a solid-waste or wastewater treatment facility, or the gaseous by-products of oil-refining processes.

Waste oil: As a fuel for electric power generation, waste oil includes recycled motor oil, and waste oil from transformers.

Watt (W): The unit of electrical power equal to one ampere under a pressure of one volt. A Watt is equal to 1/746 horsepower.

Watthour (Wh): The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

Wind energy: The kinetic energy of wind converted into mechanical energy by wind turbines (i.e., blades rotating from the hub) that drive generators to produce electricity.

Year-to -date: The cumulative sum of each month's value starting with January and ending with the current month of the data.